



**SageTV™**  
**&**  
**SageTV Client™**

**Version 7.0**

**User's Guide**

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# Chapter 1: Introduction

Thank you for purchasing or downloading the trial version of SageTV from SageTV, LLC. SageTV is the most innovative and intelligent Media Center software and service for the PC. SageTV offers more features than any standard PVR, as well as features not offered with any other PC-based PVR software. We hope you enjoy SageTV and all of its functionality. If you need any help during installation and setup please utilize this Guide, the Support section of our website at [www.sagetv.com/support.html](http://www.sagetv.com/support.html) and our online discussion forums at [forums.sagetv.com/forums](http://forums.sagetv.com/forums). If your questions still remain unanswered, please submit a support request at [www.sagetv.com/request.html](http://www.sagetv.com/request.html) and we will respond to your inquiry within 72 hours.

Throughout the manual, the following formatting is used:

- tv Commands are displayed in red. Clicking on the text while viewing the manual in PDF form will jump to the description of that command. Example command: **Select**.
- tv Cross references to menus and other links are displayed in blue. Click on the text to jump to the referenced location. Example reference: [Chapter 1: Introduction](#).
- tv Links to web sites and email are displayed in blue and underlined. Example site: [www.sagetv.com](http://www.sagetv.com).

## How to use this Document

Rather than trying to read or browse this entire document at once, it is suggested that new users start by simply reviewing this chapter and [Chapter 2: Installation and Setup](#), which will provide an overview of the installation process and how to start SageTV. Chapter 2 also contains the [SageTV Quick Start Guide](#), which will cover the basics of using SageTV.

For additional help during the initial setup, see [Chapter 5: Configuring SageTV](#).

Information regarding setting up or using a Media Extender or the Placeshifter client is covered in [Appendix M: SageTV Media Extenders](#) and [Appendix N: SageTV Placeshifter Client](#).

Later, for additional information about SageTV usage, use the [Table of Contents](#) to find details about the various menus ([Chapter 3: SageTV Menus](#)), playback ([Chapter 4: Media Playback](#)), and assorted appendices at the end of the guide.

A list of the changes in the latest version can be found in [Chapter 8: Version History](#).

## Minimum System Requirements

- tv Windows 98SE or later operating system
- tv Recommended minimum 256MB RAM

- tv Genuine Intel Pentium III 600 MHz, AMD Athlon 600 MHz or faster or VIA 800MHz
- tv Installed compatible TV tuner MPEG-2 or MPEG4/DivX encoding card or USB device.  
(As of version 3.0, SageTV is now able to use both hardware and software encoders; check the list of compatible cards and devices at [www.sagetv.com/requirements.html](http://www.sagetv.com/requirements.html).)
- tv PCI/AGP bus graphics card with overlay. NOTE: While it is recommended that your graphics card drivers support DirectX9 for optimum performance, it is not required.
- tv DirectX v9.0 or higher available from [www.microsoft.com/windows/directx](http://www.microsoft.com/windows/directx)
- tv Java Runtime Environment v1.4 or higher available from [java.sun.com/getjava](http://java.sun.com/getjava)
- tv Analog or Digital Cable, Satellite, or Broadcast TV for recording television
- tv Internet Connection (for Programming Guide Data Service)
- tv 20 MB Free disk space for SageTV application, database, and documentation
- tv Recommended minimum 20 GB Free disk space for video storage, i.e. Great Quality Setting takes about 2 GB per hour of video stored
- tv For best results, SageTV recommends that you use a dedicated partition for video storage.
- tv Currently, SageTV provides electronic programming guide data service (the "EPG Service") for the US and Canada to End Users at no charge. End User acknowledges that SageTV reserves the right to discontinue provision of the EPG Services or may separately charge End Users for provision of the EPG Service.

## Product Overview

SageTV is a computer software application and service for your PC that interacts with a TV tuner/MPEG-2 encoding card allowing you to receive television programming through your PC. With SageTV you can pause live TV or rewind and fast-forward while recording. The SageTV EPG service adds an approximately 14 day integrated programming guide that lists all upcoming programs based on your service provider. This service also gives you a Favorites Manager<sup>TM</sup>, One-Touch Recording and Intelligent Recordings<sup>TM</sup> (a SageTV exclusive), which records programs based on your prior viewing habits. SageTV also supports the playback of most standard non-proprietary media file types including your Music, Photos and Video collection. In addition, SageTV will support multiple tuner devices to record more than one show at a time. With the addition of SageTV Client, you can extend the same functionality of SageTV to any PC on your network. With SageTV Client you can also stream Live and Recorded MPEG-2 Video and Music. SageTV Extenders can be used to extend your viewing to any TV on your local network without the need for additional PCs. Use SageTV Placeshifter to access your home SageTV content from any remote location via the internet. More information about SageTV, SageTV Client, SageTV Placeshifter, and SageTV Extenders is available on our website at [www.sagetv.com](http://www.sagetv.com).

## Navigational Tips

Before you use SageTV there are a few Navigational Items we want to point out when using the application:

- tv SageTV uses the **Left** and **Right** commands to allow you quick navigation through menus. Most menus can be exited by using **Left** and most items can be selected by using

**Right.** Two places where this doesn't hold true are in the Live TV Guide and during Media Playback. When using SageTV with a mouse, the left arrow icon in the upper left-hand corner of the screen is for **Back**. Instead of implementing a right arrow icon, items can just be selected with the mouse by left-clicking on them.

- tv SageTV uses the **TV** command to allow you to jump quickly between the currently playing media and the last menu you viewed. This command is linked to the "Back", "Exit", or "TV" buttons on the supported remotes (see: [Appendix E: Remote Controls](#)) and to "Ctrl-V" with the keyboard.
- tv Throughout many of the menus in SageTV are different viewing options to display video preview windows, change sorting options, and to provide options menus when media is playing. The **Options** command provides quick access to these menus and is linked to "Ctrl-O" on the keyboard and right-click on the mouse. The linked remote codes are shown at the end of this document in [Appendix E: Remote Controls](#).
- tv When playing back Music, the **Channel Up** and **Channel Down** commands are used to switch tracks. When playing back a DVD, the same commands are used to switch chapters.
- tv Clicking on the SageTV logo at any time will bring you to the [Main Menu](#).

# Chapter 2: Installation and Setup

## Before Installing SageTV

Prior to installing SageTV, it is recommended that you first install the compatible TV tuner/MPEG-2 encoder card or USB devices which you plan to use with SageTV. Please follow the installation instructions that shipped with your devices prior to installing SageTV. We recommend installing all of the software applications that came with your devices for testing purposes. Once these devices have been installed, make sure they are functioning properly with the software that came with them. A list of compatible cards and devices is available at [www.sagetv.com/requirements.html](http://www.sagetv.com/requirements.html).

## Before Installing SageTV Client

The SageTV Client software will only function when it is able to connect to the SageTV software across a network connection; therefore, SageTV should already be installed and running on a separate PC before installing and configuring SageTV Client. Before you use the SageTV Client software, you will need to enable the client-server functionality of SageTV on the server. From the **Main Menu** of SageTV, select **Setup**, then select **Detailed Setup**, choose the **Server** tab, and “**Enable**” the **SageTV Server** option.

Once the server is enabled and you have made a note of the server name or IP address for the PC where SageTV is installed, you can now proceed with installing and running the SageTV Client software on a separate PC. You need to have a separate licensed copy of the SageTV Client for each PC you plan to use it on.

## Upgrading to a Newer Version

If you are already using SageTV and wish to install a newer version, there are three basic steps to follow:

1. **Exit SageTV** – Before installing a new version, you must first exit SageTV or SageTVClient completely; do not just put it to sleep. See [Exiting SageTV](#) for exiting the UI portion. **Note:** If you are using service mode, the installer will stop the service automatically; however, you will still need to close the UI before running the installer.
2. **Install the New Version** – Once SageTV is no longer running, simply run the new installer. The installation process will automatically uninstall the previous version of SageTV, so there is no need to manually uninstall the old version first. **Important:** Make sure the installer uses the same destination folder that the previous version used. Usually, the installer will detect this folder automatically, but be sure to check that it is correct.

3. **Start SageTV** – After the installation process is complete, you may restart SageTV and continue using it as before.

**Notes:**

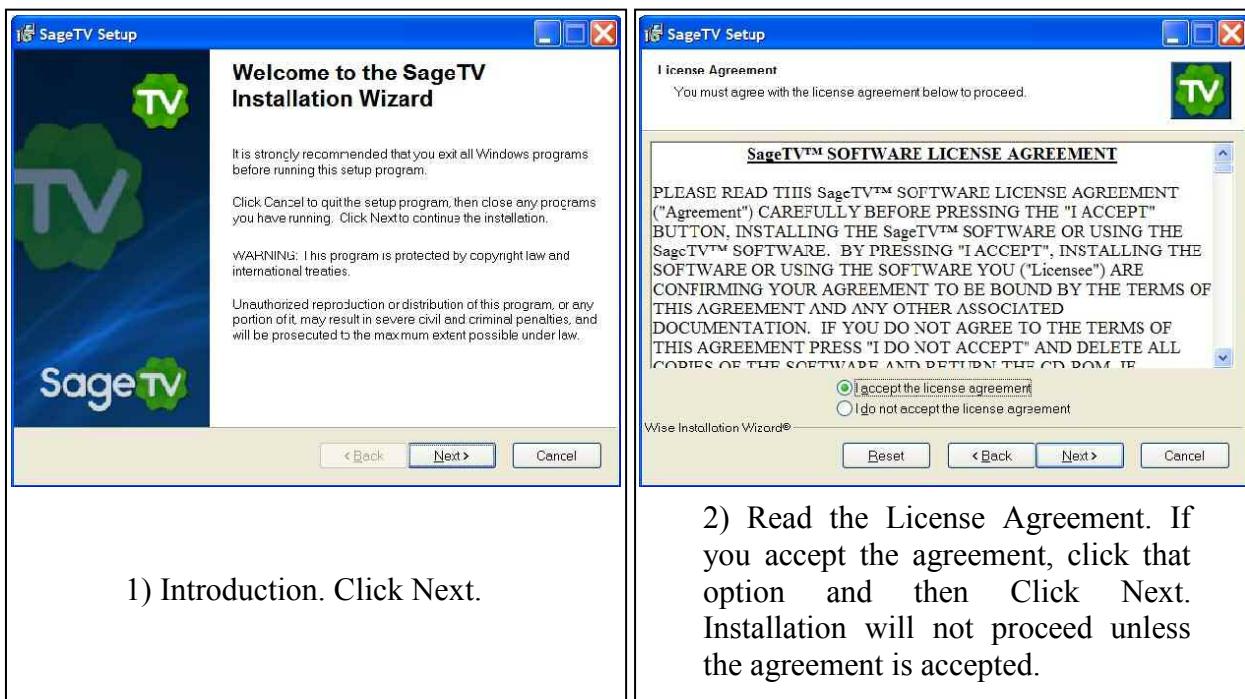
If using a Hauppauge MediaMVP as a SageTV Media Extender, be sure to unplug the MVP, then plug it in again after installing a SageTV upgrade. This will force a full reboot of the MVP so that any media extender changes will be used by the MVP.

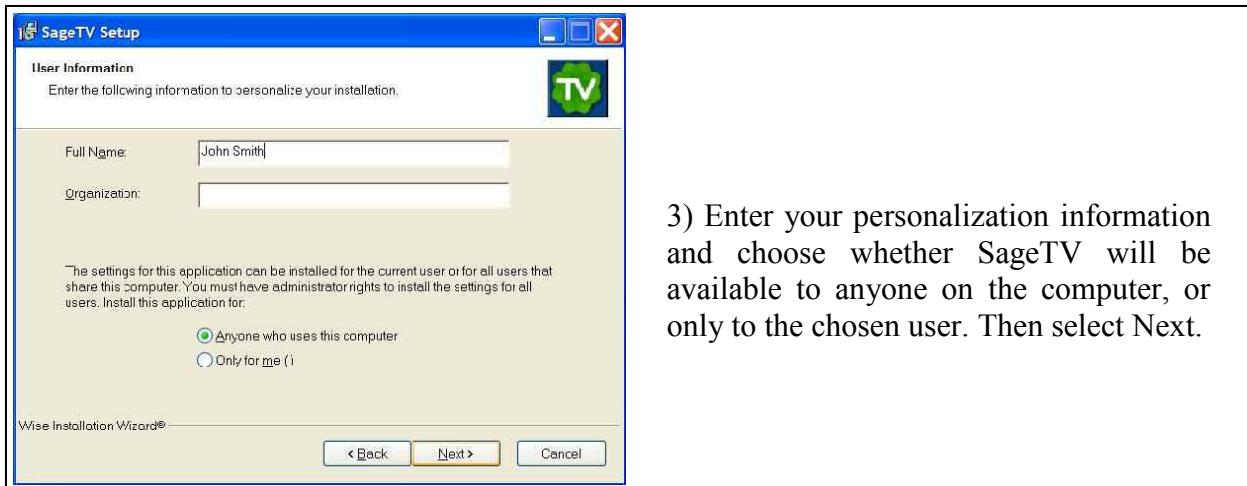
If using SageTV in service mode and the service was configured to log in as a user with a password, be sure to reconfigure the username and password after the upgrade installation, since the installation process may clear those settings.

## SageTV and SageTVClient Installation

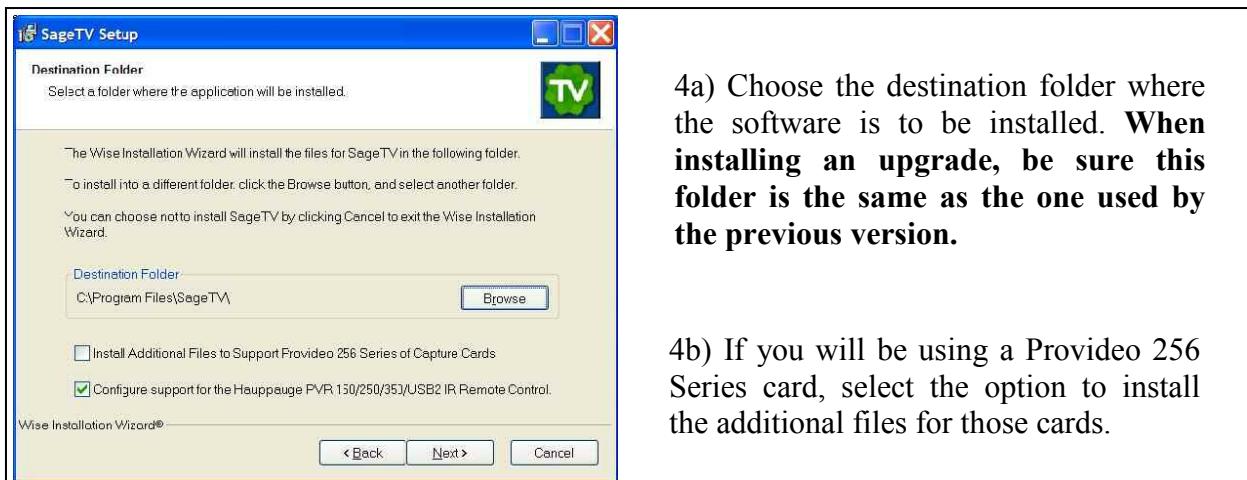
Note that SageTV requires Java Runtime Environment v1.4 or later. If it is not installed, the installer will install Java automatically.

To install either SageTV or SageTV Client, run the executable (.EXE) file you downloaded after purchasing the software. Installation will proceed as follows:





3) Enter your personalization information and choose whether SageTV will be available to anyone on the computer, or only to the chosen user. Then select Next.

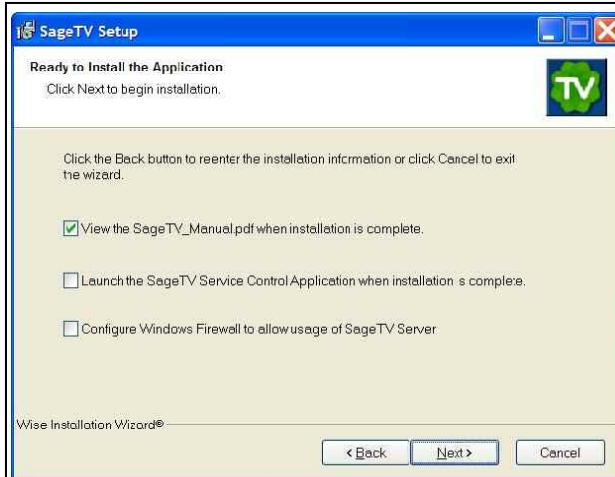


4a) Choose the destination folder where the software is to be installed. **When installing an upgrade, be sure this folder is the same as the one used by the previous version.**

4b) If you will be using a Provideo 256 Series card, select the option to install the additional files for those cards.

4c) If you will be using the infrared remote control from the Hauppauge 350, 250, 150, USB2, or other Hauppauge tuners with a remote, select the option to configure the support for that remote control device. The Hauppauge remote software must be installed prior to installing SageTV in order for support for the remote to be configured by this installer.

**Note:** Installing an upgrade will modify the remote's configuration file. If you have customized that configuration file, save a copy of it before installing an upgrade.



Installation is ready to begin. Select Next when done making choices:

5a) Choose whether to view the setup documentation after installation is complete.

5b) Choose whether to run the SageTV Service Control application after installation is complete. See [Controlling SageTV's Service Mode Options](#). **Note: SageTV only; this option will not be available for SageTVClient or on older Windows versions such as 95, 98, or Me.**

5c) Choose whether to allow the SageTV installer to modify the Windows firewall settings so that it has access to your network.



6) Installation is complete. Click on Finish.

## License Key Registration

Once installation is complete, launch SageTV or SageTV Client in order to register the software. The first time SageTV is launched, you will be presented with a reminder to enter your license key:



If you are using the 21-day trial of SageTV, just click OK to bypass the license key screen. If you have already purchased the software and have received your license key, select Enter Key.

After selecting the Enter Key button, you will be asked to enter your license key, as it was received in an email from SageTV when you purchased the software.

To activate your registration of SageTV, enter your name and license key exactly as it was provided to you.

Tip: An easy way to enter this information without accidentally making a mistake is to select the key in the email you received, copy it to the Windows clipboard (Ctrl+C), then paste it into the entry field for the key in the above dialog (Ctrl+V).



## Starting SageTV

SageTV (not SageTV Client) can be run in two different modes:

tv **Single Mode** – SageTV's **default** mode of operation is to use a single program:

- o **SageTV.exe** – When service mode is disabled, this single application will handle displaying the user interface along with performing all core recording, scheduling, etc., functionality. When used in this mode, all recording will stop if this application is exited.

tv **Service Mode** – SageTV's **optional** mode of operation is to run two separate programs.

- o **SageTVService.exe** – A Windows service application that runs out of sight, with no user interface visible. This service begins running automatically when Windows starts and is the program that handles all recording, scheduling, and other behind-the-scenes functions.
- o **SageTV.exe** – The application that displays the user interface for you to interact with. This program can be exited while still allowing the service to continue recording and performing all its other functions.

**Note:** SageTV will not run in Service Mode when using an operating system that does not use services. Service Mode is available on the newer Windows versions such as NT, 2000, XP, Vista, and Windows 7. The service will not be installed and will not be available when using Windows versions such as 95, 98, or Me.

When viewing the list of running processes on a PC, two of each SageTV process will be listed, so you will see two SageTV.exe and/or two SageTVService.exe processes.

## Controlling SageTV's Service Mode Options

As mentioned above, SageTV's **optional** mode of operation is to run a service to control all recording and core functionality, and a separate application for the user interface. The service is

set to begin running automatically when Windows starts. To control the service, run the **SageTV Service Control** application: go to Start > All Programs > SageTV, and click on SageTVServiceControl. **Note:** This program will run automatically after installation is complete, if the option to do so was checked in step 5b of the installation process.

This program will display a window with the following options:

- tv **Use SageTV Service: Yes/No** – Choose the **Enable** or **Disable** buttons beneath this option to turn service mode on or off. **Note:** If the service mode is disabled, the user interface application will control all functionality that the service would otherwise have performed, but the user interface application would have to be restarted in order for it to take over that functionality.
- tv **SageTV Service State: Started/Stopped** – Choose **Start** to start the service if it is not yet started. Choose **Stop** to stop the service if it is already running. **Note:** Stopping the service will prevent shows from being recorded.
- tv **Run Service as User: LocalSystem/UserName** – By default, a service runs only on the local system, so it does not have access to any network drives. If you wish to have SageTV access a drive on another computer on your network, you will have to select **Change User** in order to enter the name of a user account on your computer and the user's password – the user account must have a password in order for the service to be able to use that account. See below for details regarding accessing network drives while using the service.
- tv **Enable Service Recovery** – Check this option to configure the service to automatically restart if it stops running due to some system error.
- tv **Refresh** – Refresh the information displayed in this window.
- tv **About** – Displays information about configuring the service.



## Accessing Network Drives with the SageTV Service

If you wish to have SageTV access any network drives, keep in mind that a **service cannot access mapped drives**, therefore network drives must be configured in SageTV as **UNC Paths**. See [Detailed Setup: General Settings](#) regarding configuring video and media center import directories.

UNC paths use a format of: **\\\ServerName\\ShareName\\DirectoryName**, where **ServerName** is the network name of the PC to be accessed, **ShareName** is the name of the shared path on the networked PC, and **DirectoryName** is the name of the subdirectory below the shared location.

**Note:** As mentioned above in the description of the **SageTV Service Control** application, **the service must be configured to use a user account in order to access UNC paths on the network.** The user account must have a password or else the service will be unable to start. To create or change a user account in Windows, go to the Control Panel and run the application to control user accounts and passwords. Also, **make sure that the shared network directories grant write permission**, or else SageTV will not be able to store any recordings.

### Should I Use SageTV in Service Mode?

It is not required that SageTV run in Service Mode. The advantage of using the service is that the ability to record TV shows is not dependent on running the user interface portion of the program. This means that the user interface portion can be started or exited any time you wish. Also, if some error caused the user interface portion to stop running, your recordings that are in progress would not be affected.

One disadvantage of using the service is that it cannot be used to access network mapped drives. If you are already using mapped drives, it is recommended that you either convert them to use UNC paths or not use the service. Remember: accessing UNC paths requires that the service be configured to use a user account with a password.

### Changing Property File Settings in Service Mode

When running SageTV in Service Mode, the SageTV Service uses **Sage.properties** for its properties, while the SageTV UI uses **SageClient.properties**.

When not using the Service Mode, the SageTV UI will get its settings from **Sage.properties**.

See [Appendix A: SageTV Properties Settings](#) for more details.

### Start the SageTV User Interface

Regardless of whether SageTV is configured to run as a service or not (above), starting the user interface portion is always the same: to start SageTV, do one of two things:

- tv Double click on the SageTV icon on your Windows desktop.  
or
- tv Go to Start > All Programs > SageTV, and click on SageTV.

The program will then launch, displaying the SageTV splash screen telling you that the program is loading. Once initialization is complete, it will display its [Main Menu](#).

**Note:** If SageTV is already running, but sleeping in the system tray, when you start it, it will wake itself from the system tray rather than start running another copy of the program.

## Starting SageTV Client

SageTV Client does not have a service mode like SageTV (above) does, so it can only be run as a non-service Windows application. **Remember:** to use SageTV Client, SageTV must be installed on another computer on your network and configured to act as a server; see [Before Installing SageTV Client](#).

To start SageTV Client (SageTVClient.exe), do one of two things:

- tv Double click on the SageTVClient icon on your Windows desktop.
- or
- tv Go to Start > All Programs > SageTV, and click on SageTVClient.

The program will then launch, displaying the SageTV Client splash screen telling you that the program is loading. Once initialization is complete, it will display its [Main Menu](#).

**Notes:** If SageTV Client is already running, but sleeping in the system tray, when you start it, it will wake itself from the system tray rather than start running another copy of the program.

When viewing the list of running processes on a PC, two of each SageTV process will be listed, so you will see two SageTVClient.exe processes.

## Configure SageTV Client to Connect to the Server

Since SageTV Client must always connect to SageTV on the server computer, you will be asked to select a server from the list presented when the client is launched, or to input the name or IP address of the SageTV server. **Note:** If the server and/or client systems are using a firewall to protect your networked PCs, you will need to allow SageTV and SageTVClient permission to get through that firewall. Depending on the firewall, you may need to specify which ports should be opened. For the client – server connection, those ports are 7818 and 42024. Port 8270 is used when the client is automatically looking for the address of any available servers.

After choosing the server or inputting the name or IP address of the server, for example: **HTPC** if that is the name of the server system, or **172.16.1.33** if that is the IP address, select OK to continue.



Normally, you will be asked to enter this information every time SageTV Client is launched; however, you may wish to configure SageTV Client to automatically connect to the server on its own. To do that, from the [Main Menu](#) of SageTV Client, select **Setup**, then select **Detailed Setup**, choose the **General** tab, and select the button next to **Automatically Connect to Server**. That option will then change from displaying **No** to displaying the name or IP address of the server, which you previously entered when SageTV client was started.

## Initial Configuration

**Important:** For the setup process to complete successfully, please be sure your computer is connected to the internet before continuing with the Configuration Wizard. In addition, if you are using a firewall, SageTV needs to be able to get through the firewall to download the EPG data via port 7760. That port may need to be opened in the firewall to allow SageTV through. See [Firewall Settings](#) for more port information.

The first time that SageTV is run, you will be asked to complete the entire **Configuration Wizard**, where you will set various program options, including your country, language, user interface style settings, and video capture device configuration. For a step-by-step description of this process, please see the [Configuration Wizard](#).

You must finish the entire Configuration Wizard, or else the wizard process will continue to restart automatically. Also, if your configuration settings are ever cleared somehow, you will automatically be taken to the Configuration Wizard again.

## SageTV Quick Start Guide

From this point on, “SageTV” will be used to reference both SageTV and SageTV Client, since the user interface for both programs is the same, except where noted. To help start using SageTV, the following sections will cover the basics of putting SageTV to sleep, waking it again, or exiting it, along with simple walkthroughs for watching live TV, scheduling a manual recording, creating a Favorite, and watching a recorded show. For information about starting SageTV, see [Starting SageTV](#) or [Starting SageTV Client](#).

## Sleeping, Waking, and Exiting SageTV

SageTV has three states it may be in:

- tv **Running:** The SageTV display is visible. While running, you can interact with SageTV, making use of the menus and its media playback capabilities.
- tv **Sleeping (or Standby mode):** The SageTV display is either not visible or is shown in its screen saver state. If the screen saver is not used, the SageTV window will be minimized to an icon in the system tray, next to the Windows taskbar.
- tv **Closed:** SageTV is not running at all.

## How the State of SageTV affects Creating TV Recordings

The state of SageTV Client does not affect the ability of SageTV to be able to record TV shows.

If using the SageTV Service (see [Controlling SageTV's Service Mode Options](#)) and the service is running, TV recordings will continue regardless of the state of the SageTV user interface. If the service is stopped, no TV shows will record.

If not using the SageTV Service, SageTV will only record TV shows if it is **Running** or **Sleeping**.

## Sleeping SageTV

The **Power** command may be used to put SageTV to sleep or into standby mode. By default, that command is assigned the Ctrl+Z keystroke. Or, you may use the **Standby** option on the [Main Menu](#).

If SageTV is running in full screen mode when you put it to sleep, it may switch to its screen saver or minimize itself to the system tray on the Windows taskbar, depending on the configuration options. (See [Screen Saver Options](#) in [Detailed Setup: General Settings](#).) If it is running in a window, it will minimize itself to the system tray. Putting SageTV to sleep will stop any live TV that is not a scheduled recording. While sleeping, all shows scheduled to be recorded will still be recorded.

It is not necessary to put SageTV to sleep, but doing so causes it to hide its window from view, making it easier to focus on using your computer for something else, and also causes it to stop recording live TV, all while SageTV continues to record your scheduled shows. See [How the State of SageTV affects Creating TV Recordings](#), above.

## Waking SageTV

While SageTV is sleeping in screen saver mode, click the mouse, press any key, or press any remote button to awaken SageTV. If it is sleeping in the system tray, you may right click on the  icon to see the following options:

-  **Restore SageTV** – Wake SageTV and display its window again.
-  **Exit SageTV** – Close SageTV completely. It will no longer be running and will be unable to record any upcoming shows.
-  **Cancel** – Cancel and close the pop-up menu. This has no effect on SageTV.

## Exiting SageTV

To exit SageTV while its window is open, instead of putting it to sleep, you may use Alt+F4 on the keyboard, or click on the X on the upper right corner of the window if SageTV is in windowed mode.

See [Detailed Setup: Customize Settings](#) for an option regarding putting SageTV to sleep instead of exiting it when using ALT+F4 or clicking on the X.

**Note:** Exiting SageTV instead of putting it to sleep may affect its ability to create TV recordings. See [How the State of SageTV affects Creating TV Recordings](#).

## Using Windows Power Management with SageTV

SageTV interacts with Windows power management settings while running, automatically handling the following situations:

- tv The Windows screen saver will be disabled while the SageTV interface is active (such as when playing a video or when there is user activity on the menus), and the monitor will not power-off.
- tv If Windows is configured to go into standby mode after a period of inactivity, SageTV will set a timer for the system to resume operations in time to record a Favorite or Manual Recording. If needed, all capture devices and video hardware will be reinitialized so that SageTV will continue to be able to use them. **Note:** SageTV will not wake the system for Intelligent Recordings.

## Watching Live TV

The first thing to remember about watching live TV is that SageTV is always recording, since it first saves shows as recordings on your hard drive. Then, SageTV plays the recording from that file. So, Live TV goes from the encoder card to your hard drive, then gets read by SageTV, decoded, and shown on the SageTV [Video Playback](#) display. Due to this process, live TV viewed through SageTV may be a few seconds behind when compared to connecting your cable TV or satellite line directly to your TV. The benefits, however, are that you get full use of SageTV's PVR functionality, including: pausing TV playback, rewinding, fast forwarding, saving the recording for later viewing, and so on.

If you wish to watch live TV, the simplest ways to do so are to start SageTV and then use the **Watch Live TV** option on the [Main Menu](#), or use the **TV** or **Live TV** commands. Either one of those will take you immediately from the [Main Menu](#) to live TV. When starting live TV in this way, however, playback begins on the last used channel. It is easy to change channels at that point by entering a channel number, then using the **Select** command (Enter key). You can also use the **Channel Up** or **Channel Down** commands (Page Up/Page Down keys). See [Video Playback](#) for more playback details.

To begin watching a show you select as live TV, rather than simply starting on the last used channel, select [Program Guide](#) from the [Main Menu](#) to see a grid layout of the TV program listings. (**Note:** If you have just recently set up SageTV, it may take a few minutes for the guide data to be downloaded, so parts of the guide may say "No Data".) Scroll through the grid to find a currently airing show that you wish to watch and **Select** it with the Enter key, then select Watch Now (or use the **Play** command while the show is highlighted). Playback of that show will begin. For more details about using the program listings, see: [Program Guide](#). Again, see [Video Playback](#) for playback details.

Once live TV is started, it will continue recording until you do one of the following three actions:

- Put SageTV to sleep. Unscheduled recordings of live TV will stop, but all scheduled recordings will continue while SageTV is sleeping.
- Watch a prerecorded show.
- Use the **Stop** command to stop the playback of the currently playing video. When you use **Stop** while watching an unscheduled recording (live TV), the recording will cease. Using **Stop** while watching a scheduled recording will only stop playback of that recording; the actual recording process will continue.

Live TV will record at the default **Recording Quality**, as set in [Detailed Setup: Multimedia Settings](#). If you happen to be watching a scheduled recording as it is being recorded, the recording will continue at the quality it was already set to use. **Note:** the recording quality setting applies to analog tuners, which digitize the analog TV signal; digital tuners simply save the digital TV stream as it is received and are thus not affected by any recording quality setting.

### Watching Live TV When a Scheduled Recording Starts

While watching Live TV, if a scheduled Manual Recording or Favorite (described later in this section) is coming up on a different channel and the tuner being used for Live TV is needed to record that show, then a pop-up dialog will be shown about 5 minutes before the needed channel change, asking whether it is OK for SageTV to change the channel for the upcoming recording. You can choose whether to allow the channel change, but if you do not respond, then SageTV will change the channel when needed. **Note:** If an Intelligent Recording (also described later in this section) is coming up, that IR show will be ignored and live TV will automatically continue.

### Scheduling a Manual Recording

A Manual Recording is a recording resulting from using the **Record** command to instruct SageTV to record a specific airing of a show. These recordings have the highest priority of all recording types and will never be automatically deleted by SageTV; for example: they will not be deleted to make room for new recordings. If you wish to delete such a recording, use the **Delete** option on the [Airing and Video Options Dialog](#) for the recording.

As an example of creating your first Manual Recording, from the [Main Menu](#), use the **Right** arrow or **Select** command (Enter key) to choose the **TV > Program Guide** menu item. Scroll through the TV program listings to find a show you would like to record. While that show is highlighted, use the **Record** command (Ctrl+Y) and then select **Record this show** to immediately mark it as a show to record, or use the **Select** command, choose **Record Options**, then select **Record this show**.

To see that the show has been scheduled for recording, return to the [Main Menu](#), choose **TV > Recording Schedule**. Scroll through the list of scheduled recordings to see the one you just added. Manual Recordings have **bold** titles and have a Manual Recording icon on them.

## Creating a Favorite

Favorites are shows that you want SageTV to record every time they are aired. You can specify that SageTV record the airings based on whether they are a first run, rerun, either first run or rerun, or on a specific channel, along with other options. SageTV will only record one airing of each episode, rather than recording every single airing, as long as the guide data for the show contains enough information for it to be able to tell one episode from another. Also, once an episode has been watched, it will remember that the episode was watched, even if the recording is later deleted, and will not record the same episode again. Taking all this into account, SageTV will attempt to create a recording schedule so that it can record as many unique airings of the show as it can. If it is unable to record one or more of the airings due to conflicts with other scheduled recordings, you will be notified of such conflicts and can decide what action to take on the [Recording Conflicts](#) menu.

Scheduled Manual Recordings take precedence over Favorites, while Favorites have a higher priority over Intelligent Recordings. You can manage your Favorites from the [Favorites Manager](#) and can choose a Favorite from that menu to go to the [Favorite Details](#) menu where you will be able to set the options for that Favorite.

To create your first Favorite, you could go through a similar process as with [Scheduling a Manual Recording](#), above. However, to try something new, use the **Right** arrow to choose **Search > TV Airings > Search Titles** from the [Main Menu](#). On the [Search](#) menu, begin typing the name of a series that you regularly watch. When you see its title in the list on the right hand side of the screen, select it to see its future airings. Choose one of the airings. In the resulting pop-up menu, choose **Record Options**, then select **Add this show as a Favorite**. The show will be added as a new Favorite and you will then be taken to the [Favorite Details](#) menu, where you can view the default settings for that Favorite and change them. When done, choose **Back** from the [Favorite Details](#) menu. You have now created a Favorite.

To see that the show has been scheduled for recording, return to the [Main Menu](#), choose **TV > Recording Schedule** to view the [Recording Schedule](#). Scroll through the list of scheduled recordings to see the entries for the Favorite you just created. Favorites have **bold** titles and have a Favorite icon on them.

## Intelligent Recordings

SageTV offers unique functionality like no other PVR application on the market. With SageTV, you can have programs automatically recorded for you based on your past viewing habits. Intelligent Recording decisions are based on which shows you have watched and which shows you have marked as **Don't Like**. This data is then used to find other shows in the program guide that may be similar to the shows you have watched. SageTV will then add them to the list of scheduled recordings. Once recorded, you can watch the show, mark it as Don't Like, delete it, or just leave it there and let SageTV delete it when it needs room for new recordings.

This is an extremely powerful feature that many of our users take advantage of, but which we set to “Disabled” by default, since your first few weeks of using the application may produce very inconsistent results because there is not a lot of watched history for the profiler to make its decisions. We recommend you give this feature a try after you’ve been using SageTV for a few weeks to see what it records for you. This feature will manage any remaining disk space that’s left against your Favorites and Manual Recordings and will not delete any of those recordings to make room for Intelligent Recordings. In addition, Intelligent Recordings are scheduled with the lowest priority, so these recordings will not be added to the schedule at the expense of missing a Favorite or a Manual Recording.

When you are ready to give Intelligent Recording a try, enable the [Intelligent Recording](#) option at [Detailed Setup: General Settings](#).

## Watching a Recording

Now that you have scheduled at least one Manual Recording and created a Favorite, the next step would be to watch a recording. That’s one of the best parts of SageTV: you don’t need to watch the show while it is airing. Simply leave SageTV running, or put it to sleep (see: [Sleeping SageTV](#)), and SageTV will record your shows for you while you do something else. Remember: SageTV cannot record any shows if it is not running and if your computer is not turned on.

After giving SageTV some time to record one of your shows, choose **TV > Recordings** from the [Main Menu](#). That will take you to the [SageTV Recordings](#) menu, the list of all TV shows that SageTV has already recorded or is in the process of recording. To begin watching a recording, simply use the **Select** command (Enter key) while a show is highlighted, then choose **Watch Now** from the pop-up menu.

For information regarding control of SageTV while playing a video, see Video Playback’s [Playback Commands](#).

# Chapter 3: SageTV Menus

## Using the SageTV Menu Interface

The SageTV User Interface can be navigated using a keyboard, mouse, or remote control device. The basic use of each device is as follows.

### Keyboard

For basic SageTV usage, you will simply use the **Left**, **Right**, **Up**, and **Down** arrows on the keyboard to navigate the menus. If there is no selectable item to the right of the currently highlighted item, using the **Right** arrow will select the highlighted item. You may also use the **Select** command (Enter key) to select the highlighted item. If there is no item to the left of the currently highlighted item, using the **Left** arrow will take you back to the previous or parent menu. As shortcuts, use the **Info** command (Ctrl+I) to jump to the detailed information for an item or browse into a group of items, or use the **Play** command (Ctrl+D) to start playback without first opening the options menu for a playable item or group.

SageTV is initially configured with keystrokes assigned to the most often used commands. Those and all other commands available for controlling SageTV may be customized by assigning your preferred keystrokes to them. Please see the [SageTV Commands](#) customization section for full details of all the available commands, their default keys, and how to customize their assignments. Some default commands are listed below. Note that you can customize these commands to use the keystrokes you prefer, so the keys listed here are the ones SageTV uses when initially installed.

Command	Keystroke	Function
Left	Left arrow	Moves the menu focus to the item towards the left of the currently highlighted item. If there is no such item, it will return you to the previous menu.
Right	Right arrow	Moves the menu focus to the item towards the right of the currently highlighted item. If there is no such item, it will select the item and proceed to the next screen.
Up	Up arrow	Moves the menu focus to the item above the currently highlighted item. Many menus will wrap from top to bottom if there is no item above the current one.
Down	Down arrow	Moves the menu focus to the item below the currently highlighted item. Many menus will wrap from bottom to top if there is no item below the current one.

<b>Command</b>	<b>Keystroke</b>	<b>Function</b>
Select	Enter	Selects the currently highlighted item and proceeds to the next screen.
Info	Ctrl+I	Views the detailed information for the highlighted show or browse into a group of items.
Play	Ctrl+D	If the currently highlighted item or group of items is playable, start playback of that item or group.
Options	Escape, Ctrl-O	Toggles the display of the <b>Options</b> pop-up menu for the current menu.
Back	Alt+Left	Moves Back to the previous menu.
Forward	Alt+Right	Moves Forward to the next menu, after having used the <b>Back</b> command.
Page Right	Ctrl+F, F8	Moves one page to the right while in the <b>Program Guide</b> .
Page Left	Ctrl+A, F7	Moves one page to the left while in the <b>Program Guide</b> .
Page Up	Page Up, F5	Moves one page up in the menus or in the <b>Program Guide</b> .
Page Down	Page Down, F6	Moves one page down in the menus or in the <b>Program Guide</b> .
Home	Home	Moves directly to the <b>Main Menu</b> .
TV	Ctrl+V	Toggles between the Playback view and the current menu. If there is no media currently playing, live TV playback will begin.
Guide	Ctrl+X	Moves directly to the <b>Program Guide</b> .
Power	Ctrl+Z	Puts SageTV to sleep.
Watched	Ctrl+W	Toggles whether the highlighted show is marked as Watched.
Favorite	Ctrl+K	Toggles whether the highlighted show is a Favorite. If it is already a favorite, you will be asked to confirm removing it as a Favorite.
Don't Like	Ctrl+J	Toggles the Don't Like setting for the currently highlighted show or recording. SageTV will not record shows that you mark as Don't Like, unless it is a manual recording. If Intelligent Recording is enabled, shows marked as Don't Like are not considered for recording and will influence which other shows may not be recorded.
Record	Ctrl+Y	Toggles whether the highlighted show should be scheduled as a Manual Recording.

<b>Command</b>	<b>Keystroke</b>	<b>Function</b>
Full Screen	Ctrl+Shift+F	Toggles whether SageTV should make its Window full screen or not.
Num 0 – 9	0 – 9	Used to enter channel changes.
Delete	Delete	Asks for confirmation to delete the currently highlighted recording, or all the recordings in the highlighted group.

## Mouse

Using the mouse in SageTV consists simply of moving the cursor to point to the menu item to be selected and clicking on it, as is usual when using the mouse in Windows programs. Since not all commands can be accessed via mouse buttons, such as page left, page right, page up, or page down on the [Program Guide](#) screen for example, many menus have mouse icons to assist in navigation. However, in order to make use of those icons, they must first be enabled. From the [Main Menu](#) of SageTV, select **Setup**, then select **Detailed Setup**, choose the **General** tab, and “Enable” the option to **Show Mouse Icons**. (See [Detailed Setup: General Settings](#).)

Besides left-clicking on menu items, SageTV also supports other mouse buttons.

<b>Mouse button</b>	<b>Function</b>
Left Button	Select the currently highlighted item and proceed to the next screen.
Right Button	Toggles the display of the <b>Options</b> pop-up menu for the current menu.
Middle Button	During playback: Uses the <b>Play/Pause</b> command to toggle between paused & playing. If playing, playback will pause. If paused, playback will resume.
Scroll Wheel	Rolling the mouse wheel up or down performs <b>Page Up</b> or <b>Page Down</b> , respectively. *
Back Button	On a 5-button mouse, moves <b>Back</b> to the previous menu. *
Forward Button	On a 5-button mouse, moves <b>Forward</b> to the next menu, after having used the <b>Back</b> command. *

\* **Note:** Certain mouse buttons may function differently if you have configured your mouse differently in your operating system.

## Remote Control

SageTV can be controlled with a remote control either **indirectly** by using an external program that interacts with the remote control device and then sends commands to the SageTV program or **directly** by using an IR receiver that SageTV supports.

## Indirect control

Indirect remote control involves using the remote's receiver with another program, which receives codes from the remote and then sends the appropriate command to SageTV. Examples of this style of remote control include using the Hauppauge remote and software, the Streamzap remote and software, or just about any remote and receiver with a third-party control program such as Girder ([www.promixis.com](http://www.promixis.com)).

SageTV is preconfigured to use the SageTV remote with the SageTV HD extenders, or the Hauppauge and Streamzap remotes with their original software. For details on how they are configured, see the layouts of those remotes in the appendix, where there is also information regarding customizing those remotes. For basic usage, they function similarly to using the keyboard: use the arrow buttons to navigate, and the OK button to select the currently highlighted menu item. In [Appendix E: Remote Controls](#), see:

- tv SageTV STP-HD300 Remote Control Layout
- tv SageTV STX-HD100 and STP-HD200 Remote Control Layout
- tv SageTV Preconfigured 34 button Hauppauge Remote Control Commands
- tv SageTV Preconfigured 45 button Hauppauge Remote Control Commands
- tv SageTV Preconfigured Streamzap Remote Control Commands

## Direct Control

Direct remote control involves using an IR receiver that SageTV supports so that SageTV can receive the remote codes directly and act on them without having to use another program to send the commands to SageTV. SageTV can use the USB-UIRT ([www.usbuirt.com](http://www.usbuirt.com)) or Evation's IRMan ([www.evation.com](http://www.evation.com)) to directly receive codes from an infrared remote control device. This will require that you configure how you want SageTV to react to every button you wish to use on the remote. For details on that procedure, please see the [Link Infrared/Keystroke to SageTV Command](#) option in Detailed Setup.

The SageTV Media Extenders all come with a remote that can be used to control SageTV while using an extender. See [Appendix M: SageTV Media Extenders](#).

## Entering Text via Remote Control

The number pad on a remote can be used to enter text. For details, see [Numeric Text Input](#).

## Global Menu Features

All menus consist of a header at the top of the screen, a footer at the bottom, with the menu choices displayed on the rest of the screen between the header and footer. Some portions of the menu areas may only be selected by left-clicking on them with the mouse – such hot-spots are

mouse shortcuts that are also accessible through regular commands via keyboard or remote input. The rest of the menu options may be selected by using the mouse, keyboard, or remote buttons.

## The Menu Header and Footer

The  icon in the header is used to move back to the previous menu by left-clicking on it with the mouse. For the [Main Menu](#), this icon is only visible when there is media currently playing; clicking on the icon will return you to the appropriate media playback display.

The header may show status indicator icons, depending on SageTV's current status. See below.



The rest of the header consists of the menu title and the current day and time. The Main Menu also displays the weather if a weather location is configured.



The footer contains status information on the left and a tip on the right. In the image above, the tip indicates that the [Options](#) command can be used to configure options on the menu.

Clicking on the  logo icon takes you back to the [Main Menu](#) from any submenu.

## Status Indicator Icons

The Menu Header is used to display various status indicator icons:

  – Shown during text entry to indicate the next numeric text input mode. Click on one of these icons, or use the Pause command, to switch to the next input mode:  - switch to Upper Case input mode.  - switch to Lower Case input mode.  - turn numeric text input Off. See [Numeric Text Input](#).

  – Shown when SageTV is currently recording. Click on the icon to jump to the [Recording Schedule](#).

  – Shown when SageTV is currently scanning the [Media Center Import Directories](#) for imported media.

-    – Shown when important status and information messages are available. The color of the icon indicates the severity of the most important message, where blue = information; yellow = warning; and red = error. The messages may be viewed on the [System Messages](#) menu; click on the icon to jump to that menu.
-  – Shown when there are any unresolved recording schedule conflicts. Click on the icon to go to the [Recording Conflicts](#) menu, where all conflicts are shown.
-  – Shown when recording schedule conflicts still exist, but they have all been resolved. (The  and  icons will never be displayed together.) Resolved conflicts may exist after manually resolving a conflict or if you have previously instructed SageTV how to always resolve a specific conflict type. Example: if you previously chose to always have a specific favorite override another specific favorite, new conflicts for that situation will automatically be resolved during the scheduling process, but SageTV will still list the resolved conflict in case you wish to override the standard resolution for a particular recording. As with the unresolved conflict icon, click on the icon to go to the [Recording Conflicts](#) menu.
-  – Shown only when mouse icons are enabled (see [Detailed Setup: General Settings](#)) and SageTV is in Windowed mode; click on this icon to expand the SageTV window to use Full Screen mode. (Same as the [Full Screen](#) command.)
-  – Shown only when mouse icons are enabled and SageTV is in Full Screen mode; click on this icon to reduce the SageTV window to use Windowed mode. (Same as the [Full Screen](#) command.)
-  – Shown only when mouse icons are enabled; click on this icon to put SageTV to sleep. (Same as the [Power](#) command or the [Standby](#) option on the Main Menu.)

## The Default Pop-up Menu: Video Menu Options

On nearly every menu, you may use the [Options](#) command to view configuration choices for that menu. Some menus have options menus specific for their possible settings, but most use the default general purpose Video Menu Options choices.

For details regarding this pop-up menu and samples of how video playback appears in a window or as the menu background, see [Video Menu Options](#), in [Detailed Setup](#).

## SageTV Recording Types Indicators

Throughout SageTV, wherever recordings or airings are listed, certain markings or icons are used to provide information about those shows.

### Font Styles

Manual Recordings and Favorites use **bold** text for their titles.

If a show's entry in a list is displayed in a normal font style, that show has not been completely watched. If a show has been watched, its list entry will be shown in *italics*.

### Marker Icons

Icon markers may be displayed on a show's entry in a list or near its detailed information display to indicate the following:

-   – A recording is live TV, or an Intelligent Recording.
-   – A recording is a Manual Recording.
-   – A recording is a Favorite.
-   – The airing is currently recording.
-   – A show is a High Definition TV airing or recording.
-   – A show is a First Run.
-   – A show is an Archived Recording.
-   – A show has been Watched.
-   – A show has been marked as Don't Like.

**Notes:** The red Recordings icons are also displayed on the [Program Guide](#) grid to indicate which shows are in the [Recording Schedule](#) and will be recorded.

For show entries in lists, various marker icons will be shown on each show's list entry. The round recording type icons will always be shown when needed, but the other indicators can be turned off, if desired, in [Detailed Setup: Customize Settings](#). See [Show recording status marker icons in lists](#).

## The SageTV Menus

The [Main Menu](#) is the first screen you will see when SageTV starts and is the access point for all of SageTV's features. Since that is the case, let's begin with that menu on the next page. Following that are descriptions of all the other menus, except for the ones having to do with configuration. For configuration menus and details, see [Chapter 5: Configuring SageTV](#).

## Main Menu

The **Main Menu** is the gateway to all the features of SageTV. From this starting point, you access all the submenus and features of SageTV. The Main Menu consists of a top level menu, shown on the left side of the screen, and up to two sublevels opened to the right of the top level.

### Navigation

Using the keyboard or a remote, the Main Menu is navigated using the **Left**, **Right**, **Up**, and **Down** arrows and the **Select** command. Use the **Right** arrow to open a sublevel menu; use the **Left** arrow to close a sublevel menu. Use the **Select** command to open a sublevel menu or activate an item (see below). The **Home** command will close all sublevels and return focus to the top level menu.

Using a mouse, simply move the mouse cursor to the desired item and select it, or move the cursor over an arrow icon to open the sublevel menu for an item. Move the mouse cursor over a higher level submenu to close the sublevel.

An item without a submenu have no icon next to the menu item title; use the **Right** arrow or **Select** the item to activate it. An item with a submenu will have one of these arrow icons next to it:

- tv – An arrow without an asterisk indicates that the item has a submenu and no default action. Use the **Right** arrow or **Select** the item to open the sublevel menu.
- tv – An arrow with an asterisk indicates that the item has a submenu and has a default action. Use the **Right** arrow to open the sublevel menu, or **Select** the item to activate the item's default action and jump to another menu.

### Menu Choices

The top menu level and their submenus consist of the following choices:

- tv **TV** – Contains choices related to TV airings and recordings. Default action: jump to the **SageTV Recordings** menu, at the last-used view. The **TV** sublevel menu contains:
  - o **Recordings** – Contains choices for all available views of the existing recordings. Default action: jump to the **SageTV Recordings** menu, at the last-used view.
  - o **Watch Live TV** – Go to the **Video Playback** display and start watching live TV. Playback of a currently recording show or the current show on the last viewed channel will be started.

- **Program Guide** – Go to the [Program Guide](#), where you can see the grid layout for the TV schedule for the channels you can receive. The guide shows the schedule of upcoming shows for approximately the next two weeks. From the guide, you may choose shows to record or to watch now.
  - **Recording Schedule** – Contains choices for all available recording schedule views. Default action: jump to the [Recording Schedule](#), which displays a list of all TV shows that are scheduled to be recorded, at the last-used view.
  - **Schedule Recordings** – Contains choices for items related to adding recordings to the schedule. Default action: none. Its sublevel choices are:
    - **Manage Favorites** – Go to the [Favorites Manager](#), where you can add new Favorites or select an existing Favorite whose settings can be viewed or changed.
    - **Create Timed Recording** – Go to the [Create Timed Recording](#) screen, where you can schedule a one-time or recurring recording for a defined time period on a specific channel.
    - **Browse by Category** – Go to the [Browse By Category](#) menu, where you can view a listing of upcoming shows, sorted by the shows' categories.
    - **Resolve Conflicts** – Go to the [Recording Conflicts](#) menu to see the list of recording conflicts and choose how to handle those conflicts and similar ones in the future.
  - **TV Show Editorials** – Go to the [TV Show Editorials](#) menu, where you can view brief editorial comments about selected upcoming TV shows.
-  **Videos** – Contains choices related to imported videos. Default action: jump to the [Video Browser](#) at the last-used view. The **Videos** sublevel menu contains:
- **Titles** – Opens the Video Browser, viewing non-DVD/BD imported videos.
  - **DVD/BD** – Opens the Video Browser, viewing imported DVD/BD videos.
  - **Category** – Opens the Video Browser, viewing imported videos grouped by category.
  - **Playlists** – Default action: Opens the Video Browser, viewing video playlists. This item also opens a sublevel menu containing choices for all available video playlists. In the sublevel menu, choose a playlist for options to play or view the playlist.

- **Folders** – Opens the Video Browser, viewing imported videos by their folder structure, as the files are found on your hard drive.
  - **Play DVD** – SageTV will play a DVD that is in the DVD drive on your computer. It will not be able to play a DVD that is in the DVD drive of another computer on your network. If it finds a DVD, [DVD Playback](#) will begin. If no DVD is found, a notification will be displayed. **Note:** Not available on extenders and Placeshifter clients.
  - **Video Conversions** – Go the [Video Conversions](#) screen, where you can view the status of all current, upcoming, and past video conversion processes.
- tv **Music** – Contains choices related to imported music. Default action: jump to the [Music Browser](#) at the last-used view. The **Music** sublevel menu contains:
- **Songs** – Opens the Music Browser, viewing all imported songs.
  - **Albums** – Opens the Music Browser, viewing imported music grouped by album.
  - **Artists** – Opens the Music Browser, viewing imported music grouped by artist.
  - **Genres** – Opens the Music Browser, viewing imported music grouped by genre.
  - **Years** – Opens the Music Browser, viewing imported music grouped by year.
  - **Playlists** – Default action: Opens the Music Browser, viewing music playlists. This item also opens a sublevel menu containing choices for all available music playlists. In the sublevel menu, choose a playlist for options to play or view the playlist.
  - **Folders** – Opens the Music Browser, viewing imported music by their folder structure, as the files are found on your hard drive.
- tv **Photos** – Contains choices related to imported photos. Default action: jump to the [Photo Browser](#). The **Photos** sublevel menu contains:
- **Browse Photos** – Opens the Photo Browser.
  - **Start Slideshow** – View a slideshow of all the imported photos, in the sort order chosen in the Photo Browser.
  - **Random Slideshow** – View a slideshow of all the imported photos, in random order.
- tv **Search** – Contains choices related to searching for media or browsing the file system. Default action: none. The **Search** sublevel menu contains:

- **TV Airings** – Default action: go to the [Search](#) menu, at the last-used TV Airings search style. The **TV Airings** sublevel menu contains options to:
    - **Search Titles**
    - **Search People**
    - **Search Descriptions**
    - **Search All Fields**
  - **Videos** – Default action: go to the [Search](#) menu, at the last-used Videos search style. The **Videos** sublevel menu contains options to:
    - **Search Titles**
    - **Search People**
    - **Search Descriptions**
    - **Search All Fields**
  - **Music** – Default action: go to the [Search](#) menu, at the last-used Music search style. The **Music** sublevel menu contains options to:
    - **Search Song Titles**
    - **Search Album Titles**
    - **Search Artists**
  - **Photos** – Go to the [Search](#) menu, at the search Photos by Title view.
  - **Online Videos** – Default action: go to the Google Video Search menu to search [Google Video](#) content. The **Online Videos** sublevel menu contains options to:
    - **Search Google Keywords** – search [Google Video](#) by keywords.
    - **Search YouTube Keywords** – search [YouTube Video](#) by keyword.
    - **Search YouTube Users** – search [YouTube Video](#) by user.
  - **Browse File Systems** – Go to the [File Browser](#), where you can browse the SageTV server's files, local files, network files, import library paths, or recording paths, depending on the available file systems and media paths.
-  **Online** – Contains choices related to online media. Default action: jump to the [Online Services](#) menu. **Note:** The availability of and access to the various online video choices is controlled by the [Online Video Access](#) option in [Detailed Setup: Customize Settings](#). The **Online** sublevel menu contains:
- **Weather** – Go to the [Weather](#) menu, where you can view the current conditions and 5-day forecast for your local area. **Note:** If you have not yet done so, you will first be asked to configure your weather report location; see [Step G16: Weather Report Configuration](#). Once your location is configured, you will proceed to the [Weather](#) menu.
  - **YouTube Videos** – Go to the [YouTube Video](#) menu, where you can choose YouTube Videos from various categories.

- **Channels.com** – Go to the Channels.com Web Shows menu, where you can view Channel.com's categorized dynamic feeds listing a collection of the best shows on the web.
- **More Online Services** – Go to the [Online Services](#) menu, where various online videos can be viewed.
- **Get Hulu Application or Launch Hulu Desktop** – The option to Get or Launch the Hulu desktop application is available when using SageTV on a Windows server or client UI, depending on whether the Hulu desktop application is installed.

 **Setup** – Contains choices related to configuring SageTV and status information. Default action: none. The **Setup** sublevel menu contains:

- **Configuration Wizard** – Configure SageTV's essential options via the [Configuration Wizard](#).
- **Detailed Setup** – Go to [Detailed Setup](#), where you can configure all the setup options available within SageTV.
- **SageTV Plugins** – Default action: none. This menu contains choices for accessing all available and installed user created plugins for SageTV. The **SageTV Plugins** sublevel menu contains:
  - **All Available Plugins** – Go to the [Plugin Manager](#) showing all available plugins created by SageTV users.
  - **Server Installed Plugins** – Go to the [Plugin Manager](#) showing all user created plugins installed on the SageTV server. This option is shown on SageTV Clients running on a different PC than the SageTV server, which can install plugins on the server.
  - **Client Installed Plugins** – Go to the [Plugin Manager](#) showing all user created plugins installed on the local client. This option is shown on SageTV Clients running on a different PC than the SageTV server, which can install plugins on the local client PC.
  - **Installed Plugins** – Go to the [Plugin Manager](#) showing all installed user created plugins. This option is shown on the SageTV server UI and on extender and Placeshifter clients connected to the server.

**Note: Use of these plugins is at your own risk. The plugins presented are created and supported by other SageTV users. SageTV does not test or verify the operation of any of the plugins in any way and does not provide technical**

**support for plugins. Questions about any plugin should be directed to the user who created it, using the SageTV user-to-user forum at.**  
[forums.sagetv.com/forums](http://forums.sagetv.com/forums)

- **Setup Video Sources** – Configure new or existing recording sources via the [Source Wizard Summary](#).
- **Help** – Default action: none. The **Help** sublevel menu contains options to:
  - **View SageTV PDF Manual** – On a Windows system, asks whether to open the PDF manual in another window.
  - **View Menu Header Information** – Displays a dialog describing the various sections of the header and footer bars at the top and bottom of every menu screen. The currently described area is outlined at the top or bottom of the screen.
  - **View TV Indicators and Markers** – Displays a dialog that describes all the various ways that TV airings and recordings are marked to indicate their status.
  - **View TV Category Colors** – Displays a dialog that shows the background colors used for various TV airing categories. The existing categories and their colors may be edited, or additional categories may be added. This option is also available as the [TV Category Background Colors](#) option in [Detailed Setup: Customize Settings](#).
- **Toggle Full Screen** – Toggle whether SageTV is displayed in a window or whether it is displayed full screen.
- **Parental Controls** – Go to [Parental Controls](#), where you can control the types of TV shows requiring a password for viewing. If you have set and enabled a password for parental controls, you will be asked to enter the password after selecting this menu item. If the wrong password is entered, access to [Parental Controls](#) will be denied.
- **Scan Imported Media** – Tells SageTV to check all the [Media Center Import Directories](#), as defined in [Detailed Setup: General Settings](#), to refresh its list of imported media files.
- **System Information** – View the current status of the SageTV system on the [System Information](#) screen.
- **System Messages** – View the current messages on the [System Messages](#) menu.

 **Exit** – Contains choices related to exiting SageTV. Default action: none. The **Exit** sublevel menu contains:

- **Standby** – Put SageTV to sleep. See [Sleeping SageTV](#).
- **Exit SageTV** – Exits the SageTV application or powers off an extender. See [Exiting SageTV](#).

**Tips:** 1) Begin typing numbers or letters to start an [Instant Search](#). 2) Use the **Info** command to jump directly to the [System Information](#) display.

## Instant Search

While on most navigation menus, such as the Main Menu, a search for any media type may be started simply by entering any alphanumeric characters via keyboard or remote. The [Instant Search mode on Navigation Menus](#) option in [Detailed Setup: Customize Settings](#) controls whether the Instant Search feature is enabled and how it works while on navigation menus.

When the feature is enabled, start entering numbers or letters while on a navigation menu. If the search should begin immediately, you will jump to the [Search](#) menu right after the first character is entered. Otherwise, a text entry dialog will open, allowing more text to be entered before starting the search. When done entering text, choose [Search Now](#) to jump to the [Search](#) menu and start the search, or choose [Cancel](#) to cancel the search and close the text entry dialog.

The initial search results shown on the [Search](#) menu will be for the search style in use the last time the Search menu was used.

If Instant Search is used while on the [YouTube Video](#) or [Google Video](#) menus, the online video search results will be shown after choosing [Search Now](#) in the text entry dialog.

## SageTV Recordings

Parent Menu: [Main Menu](#).

The **SageTV Recordings** screen lists all the TV shows that SageTV has recorded, including completed recordings, currently recording shows, and partially recorded shows if they are Manual recordings. Entries in the list may be individual recordings or groups containing multiple recordings.

Highlighting an individual recording will cause some of its recording information to be displayed to the right of the recording list. Highlighting a group will use the area to the right to display the group name, the number of the group's recordings, and the titles of the first several items in the group.

The upper right corner of the screen is used to display video previews or thumbnails for the highlighted recording or group of recordings.

See [SageTV Recording Types Indicators](#) for a description of the show indicator markers.

### Selecting an Individual Recording

After highlighting an individual recording, you may use the **Select** command or left-click on it to view the list of possible actions to perform for that recording; see the [Airing and Video Options Dialog](#) for details. To see the full details for a recording, highlight an individual recording and then use the **Right** arrow or the **Info** command to go to the [Recording Detail](#) screen for that recording.

The **Play** command may be used to initiate playback of the highlighted recording.

### Selecting a Group of Recordings

After highlighting a group of recordings, use the **Select** command or left-click on a it to view the list of possible actions to perform for the entire group of recordings; see the [Grouped Airings and Videos Options Dialog](#) for details. To browse the list of recordings in the group, highlight a group and then use the **Right** arrow or the **Info** command. **Note:** Use of the **Select** command or the **Info** command to open the group options dialog can be switched while the dialog is open; see the details for the dialog.

The **Play** command can be used to add all the recordings in the group to the Now Playing playlist and begin playback

The sorting method used while browsing a group of recordings can be set separately from the overall view of all recordings. While viewing the group, use the **Options** command to access the Sorting option.

## SageTV Recordings Views

The SageTV Recordings menu is preconfigured with four views, each with individual sorting, grouping, and filtering options. Each of these four views can be reconfigured and renamed. Up to four additional views may be added. Use the **Options** command to change the current view or add more views. See [SageTV Recordings Options](#).

The four initial viewing styles are:

- tv **All Recordings** – List all recordings.
- tv **Current Recordings** – Lists only non-archived recordings.
- tv **Archived Recordings** – Lists only archived recordings.
- tv **Recorded Movies** – Lists only recordings from the “Movie” category, or those using the [Alternate Movie category name](#).

**Tips:** 1) Each of the viewing styles can be customized and its customized settings will be remembered for that view. Each view can be renamed, and custom settings can be selected via the [Sorting Options](#), [Grouping Options](#), and [Filtering Options](#) dialogs. 2) Use the [Smooth FF](#), [Skip Fwd #2](#), [Smooth Rew](#), or [Skip Bkwd #2](#) commands to jump to the next or previous view.

## SageTV Recordings Options

Use the **Options** command to display the various options available on this menu. The options list can be exited by using the **Options** command again or via the **Left** arrow. The choices are:

- tv **Views** – The available viewing styles are listed below the **Views** title. The current view is highlighted. Select any view to switch to that viewing style.
- tv **Filters** – Three quick access filters are shown for Manual Recordings **M**, Favorites **F**, and Other **O** recordings. Each time the filter is selected, it changes between ignoring the filter, filtering to include recordings of that type, or filtering to exclude recordings of that type. **Notes:** “Other” is anything that is not a Favorite or Manual Recording, including Intelligent Recordings or Live TV that is not a Manual Recording or Favorite.
- tv **Menu Options** – Display the [SageTV Recordings Menu Options](#) dialog, below.

- tv **Search** – Go to the consolidated [Search](#) menu, with the search style starting with the last used TV search style.
- tv **Sorting** – Open the [Sorting Options](#) dialog, below.
- tv **Grouping** – Open the [Grouping Options](#) dialog, below.
- tv **Filtering** – Open the [Filtering Options](#) dialog, below.
- tv **Recording Schedule** – Go to the [Recording Schedule](#).
- tv **Imported Videos** – Go to the [Video Browser](#).

## SageTV Recordings Menu Options

The SageTV Recordings Menu Options dialog is used to configure additional options for the menu. The options are:

- tv **Number of Columns** – Set the number of columns used to display the list of recordings.
- tv **Number of Rows** – Set the number of rows used to display the list of recordings.
- tv **Airing List Font Size** – Set the font size used to display the list of recordings.
- tv **Number of Views** – Set the number of viewing styles, from 4 to 8.
- tv **Rename the <View Name> view** – Opens a dialog where a new name for the current view can be entered.
- tv **Reset all settings for the <View Name> view** – Resets the grouping, sorting, and filter options, along with the view name for the current view.
- tv **Video Menu Options** – Displays the Options menu found on most screens, where you can set when and how video playback is shown on menus. See its full explanation for details.
- tv **Close** – Exit the pop-up menu.

## Sorting Options

The Sorting Options dialog contains a list of options for sorting the recording list. If a recording list entry is a group, the first entry in the group's list is used when determining the group's sort rank. Choose from the sorting options listed below:

- tv **Oldest/Newest First** – Recordings are simply sorted by their recording date.

- **Title A-Z/Z-A** – Sorting is performed on the recorded shows' titles.
- **Category** – The name of each show's category is used for sorting. As usual, there is a choice for reversing this sort.
- **Orig. Air Date** – The recorded show's original airing date is used for sorting, in oldest-to-most recent or most recent-to-oldest (reversed) order.
- **Channel Name A-Z/Z-A** – The name of the channel where each show was recorded is used for sorting.
- **Intelligent** – The list will be sorted by SageTV's recording priority. Manual recordings are listed before Favorites, then Intelligent Recordings and live TV, followed by watched shows, with shows marked as Don't Like listed last. Within each of those sections, the newer recordings are listed first. The **Reversed** form of this style simply reverses the sort order.
- **ShowID** – The recording's ShowID is used for sorting, in ascending or descending (reversed) order.
- **Reverse Sort Order** – When checked, the recording list will be sorted in reverse order.
- **Close** – Close the pop-up list without changing the current setting.

## Grouping Options

The Grouping Options dialog displays a list of options for how the list of recordings are to be grouped:

- **No Grouping** – The list of recordings will not be grouped together at all. Every entry in the list will be an individual recording; there will be no group entries.
- **Title** – Shows with the same title will be grouped together and there will be a group entry in the list with that title.
- **Channel Name** – Recordings will be grouped according to the name of the channel where they were recorded.
- **Category** – Recordings will be grouped according to the name of their categories, as displayed in the detailed information section on the [Recording Detail](#) screen.
- **Close** – The standard choice to make when you wish to exit the pop-up menu without changing the current setting.

## Filtering Options

The Filtering Options dialog displays a list of filter options used to determine which types of recordings are to be shown in the recording list.

- tv Select each of the following filtering options to toggle between not filtering by that criteria, only include recordings which match the criteria, or exclude recordings which match the criteria.
  - Manual Recordings**
  - Favorites**
  - Not Manual Recording or Favorite**
  - Archived Recordings**
  - First Runs**
  - HDTV Recordings**
  - Watched Recordings**
  - Recordings marked Don't Like**
- tv **Categories Filtered** – Select this option to choose the list of categories to be filtered. When at least one category is selected, you can choose whether the categories are to be **Included** or **Excluded**.
- tv **Clear all filters** – Clear all filters so that all recordings are included.
- tv **Close** – Close the dialog.

## Recording Detail

The **Recording Detail** screen displays the full information for a recording.

Full details for the recording are shown on the left side of the screen. The data may fill more than the space on a single screen. If so, you will be able to scroll down to see the rest of the information.

The right size of the screen is used to display a combination of the recording's thumbnail, series image, or channel logo (if there is one); however, if video is displayed in a window on menus, the video may be shown instead of an image in the upper right corner.

Use the **Select** command (Enter key) to display the list of possible actions to perform for the recording; see the [Airing and Video Options Dialog](#) for details.

Use the **Back** command or the **Left** arrow to return to the previous menu.

Using the **Options** command will display the [Video Menu Options](#) dialog, which is the regular Options menu found on most screens. See its full explanation for details.

## Airing and Video Options Dialog

When the the **Select** command is used on an airing (such as in the [Program Guide](#)), an existing recording (the [SageTV Recordings](#) menu), or an imported video (the [Video Browser](#)), a pop-up dialog containing all of the available actions that may be performed will appear. This dialog may be used in its Basic or Advanced form. Basic mode shows a single column of options, while Advanced uses two columns, with additional options in the second column.

The actions in this dialog are dynamically added or removed, depending on what may be done at that moment. For example, “Watch Now” will appear for a show that is currently airing, an existing recording, or an imported video, but it would not appear for a show in the [Program Guide](#) if that airing has already finished airing and was not recorded, or if the airing has not yet begun.

The possible actions for an airing, recording, or imported video are listed below.

### Basic Options

- tv **Watch Now** – Begin watching the video file. The screen will switch to the [Video Playback](#) or [DVD Playback](#) display, depending on the type of video. When the dialog is open, the **Play** command is a shortcut for this action, as indicated by the Play icon on the button.
- tv **Record Options** – For TV shows, show the [Record Command Options Dialog](#), where you can choose from the various recording options currently available. When the dialog is open, the **Record** command is a shortcut for this action, as indicated by the Record icon on the button. Not available for imported videos.
- tv **View Recording Details** – Jumps to the detailed information screen appropriate for the current video: the [Recording Detail](#), [Program Information](#), or [Video Detail](#) screen. When the dialog is open, the **Info** command is a shortcut for this action, as indicated by the Info icon on the button.
- tv **View Series Information** – If there is series information for an airing, this option is displayed. Select it to jump to the [Series Information](#) screen, where more information about the series will be displayed, such as a description of the series, its history, and list of cast members.
- tv **Edit User Categories** – Use this option to assign user defined categories to a recording, Favorite, or Manual Recording. The option will be available for an existing recording or for any not yet recorded airing that is a Favorite or a Manual Recording. After selecting this option, you may be asked whether to edit the User Categories for the recording, the Favorite that applies to the airing, or to the Manual Recording, if more than one of those apply. After the User Category editing dialog opens, select one or more categories to be assigned. While the dialog is open, you can add new user defined categories or resort the

category list to place the selected ones at the top. Choose Done once all assignments have been made or select Cancel to close the dialog without changing the category assignments. The **Delete** command can be used while a category is highlighted to remove it from the list of user defined categories. If the category is still in use in the SageTV database, it will remain in the list, however. **Note:** The **SageTV Recordings** menu can be filtered to optionally include or exclude recordings based on their categories and/or user categories.

- tv **Edit Video Information** – Use this option to assign MPAA ratings and Categories for an imported video. Selecting this option opens a dialog displaying the current MPAA rating and category assignments, if any. Choose which information to edit, then choose or clear the MPAA rating, or set categories for the video. While setting the categories, you can also add a new category, choose whether to also list TV categories to choose from, or resort the category list to place the selected ones at the top. Choose Done once all assignments have been made or select Cancel to close the dialog without changing the category assignments. The **Delete** command can be used while a category is highlighted to remove it from the list of user added categories. If the category is still in use in the SageTV database, it will remain in the list, however.
- tv **Delete this Recording** – Available for existing recordings that are not currently being recorded, use this option to remove a video from SageTV and delete it from the computer's disk drive. When the dialog is open, the **Delete** command is a shortcut for this action. Not available for imported videos. A pop-up menu contains the deletion choices:
  - o **Delete it Now** – Delete the recording, leaving all Watched, Don't Like, etc., markers intact.
  - o **Delete it because it is the wrong recording** – Delete the recording, clearing all tracking information about the recorded airing. Use this option if the recorded show is not what was, in fact, recorded. An incorrect recording may happen because of a last-minute program scheduling change by a network, which is not reflected in the guide data SageTV uses, for example.
  - o **Delete it because I don't like it** – Delete the recording, setting the Don't Like marker at the same time.
  - o **Don't delete it** – Cancels the deletion process and closes the pop-up menu without deleting the recording.
- tv **Delete this Imported File** – Available for imported videos only, use this option to remove an imported video from SageTV and delete it from the computer's disk drive. You will be asked to confirm the deletion. When the dialog is open, the **Delete** command is a shortcut for this action. Not available for SageTV recordings. **Note:** Deletion of imported videos may be disabled in the pop-up Options Menu in the **Video Browser** menu.
- tv **Browse DVD Folder** – This option is shown if the imported video is a DVD, and there are additional imported videos in the DVD's folder structure.

- tv **Advanced Options** – Shown only when using Basic mode, select this option to switch to Advanced mode. A second column of options will be shown, showing additional choices based on the status of the video. The dialog will continue to be shown in Advanced mode every time a video is selected, until Basic mode is chosen.
- tv **Basic Options** – Shown only when using Advanced mode, select this option to switch to Basic mode. Only a single column of basic options will be shown, with the available choices based on the status of the video. The dialog will continue to be shown in Basic mode every time a video is selected, until Advanced mode is chosen. **Note:** Basic or advanced mode can also be configured via the [Options menu mode for videos and recordings](#) option in [Detailed Setup: Customize Settings](#).
- tv **Close** – Closes the options dialog without performing any action.

## Advanced Options

- tv **Future Airings** – Go to the [Additional Airings](#) menu, where upcoming airings for this show will be displayed. All future airings in the EPG will be listed, usually covering approximately the next two weeks. Existing recordings and past airings will also be listed. Not available for imported videos.
- tv **Past Airings** – Go to the [Airing History](#) menu, where historical airings for this show will be displayed. All past airings for which SageTV has stored information will be listed, including the existing recordings and future airings. Not available for imported videos.
- tv **Don't Like** – (If the recording is tagged as Don't Like, a checkmark will be displayed on the button.) Select this option to tell SageTV that you Don't Like the show, or clear that status. When the dialog is open, the **Don't Like** command is a shortcut for this action, as indicated by the Don't Like icon on the button. Not available for imported videos.
- tv **Watched** – (If the video is Watched, a checkmark will be displayed on the button.) Select this option to set or clear a SageTV Recording, Airing, or Imported Video as having been Watched. When the dialog is open, the **Watched** command is a shortcut for this action, as indicated by the Watched icon on the button.
- tv **Archived** – (If the recording is archived, a checkmark will be displayed on the button.) Select this option to add or remove archived recording status for a completed SageTV Recording. The location for the recording file will not be changed on the computer's disk drive, but the recording will now be archived or not. SageTV will never automatically delete any archived recordings. Additionally, when a recording is unarchived, it will be marked as a Manual Recording in order to prevent SageTV from deleting it in the near future. Not available for imported videos. **Note:** The [SageTV Recordings](#) menu can be filtered to optionally include archived and/or non-archived recordings.

- tv **Convert** – Choose this option to convert a recording or imported video to another video format. **Note:** Only completed recordings and videos capable of being converted will include the conversion option.
- tv **List of Recent Video Playlists** – If any videos have been recently added to a video playlist, the last few selected playlists may be displayed for faster repeated selection of those playlists. Only available for imported videos.
- tv **Add To Video Playlist...** – Displays a list of video playlists that the current video may be added to. (Note: DVDs and BDs will not be added to playlists.)
- tv **Play a Playlist...** – Allows choosing which video playlist to play now, or you may choose to view all video playlists in the [Video Browser](#).
- tv **More by People in Show...** – If there are people named in the credits for a selected airing or imported video, this option is shown. Select it to see a list of people with credits in the video. Select a name to search for additional airings or videos containing a credit for that person. The list of additional airings will be shown on the [Search Results](#) menu. In addition, the [Favorite](#) command while highlighting a name to either add a Favorite for that person's name or edit the Favorite if it already exists. If a Person Favorite already exists for a name, there will be a Favorite icon next to the name. After using the Favorite command, SageTV will jump to the [Favorite Details](#) menu.

## Grouped Airings and Videos Options Dialog

Use either the **Select** or **Info** command on a group of airings or recordings, or a group of imported videos, to open a pop-up dialog containing all of the available actions that may be performed on the entire group. The use of Select or Info is controlled by an option in the dialog or via the **For grouped items: Select opens options dialog, Info browses into group** option in **Detailed Setup: Customize Settings**.

Like the options for an individual video, the actions in this dialog are dynamically added or removed, depending on what may be done at that moment. For example, “Play all Recordings Now” will appear for a group of recordings or imported videos, but it would not appear for a group of Past Airings.

The possible actions for a group of recordings or imported videos are listed below.

### Right Column

The right column of options is available for any group of airings, recordings, or imported videos.

- tv **Browse Recordings, Airings, or Videos** – Jump to a view of the videos in this grouping. When the dialog is open, the **Info** command is a shortcut for this action, as indicated by the Info icon on the button.
- tv **Play all Recordings/Videos Now** – Adds all of the recordings or imported videos in the folder and its subfolders to the **Now Playing video playlist**, begins playback of the playlist, and jumps to the appropriate playback screen. The Now Playing list will be cleared before adding the group. If any other media is currently playing, it will be stopped before playback of the group begins. When the dialog is open, the **Play** command is a shortcut for this action, as indicated by the Play icon on the button. **Note:** If all or none of the recordings/videos have been watched, they will all be automatically added to the playlist. If some recordings/videos have been watched, then a dialog will ask whether to play only the videos that have not yet been watched or all the videos.
- tv **Play all Videos in this folder** – Plays only the imported videos in the selected folder instead of all the videos in the folder and its subfolders.
- tv **Add Favorite** – If all the TV airings in the group have the same title (they might be different episodes of that title) and they do not belong to a Favorite, this option will be available. Select this option to add a Favorite for the title and jump to the **Favorite Details** menu. The **Favorite** command is a shortcut for this action when the option is available.
- tv **Favorite Options** – If all the TV airings in the group are from a single existing Favorite, this option will be available. Select this option then choose whether to **Remove this Favorite** or **Adjust Favorite Options**. The **Favorite** command is a shortcut for this action when the option is available.

- tv **Delete all Recordings – Use with Caution!** After using this command for a group of recordings, you will be given the option to:

- o Delete **all** the recordings in the group.
- o Delete only the **Watched** recordings in the group.
- o Delete only the group's recordings that are marked **Don't Like**.
- o Cancel - do not delete anything.

Because this deletion process will delete multiple recordings, you will be asked to confirm your choice. Once started, the process will pause slightly between each deletion, giving you the chance to cancel the action. Remember: any recordings deleted before you cancel the process will remain deleted! When the dialog is open, the **Delete** command is a shortcut for this action, as indicated by the red X icon on the button.

- tv **Set/Clear all Watched** – Sets or clears the Watched status for all airings in the group, after confirmation. When the dialog is open, the **Watched** command is a shortcut for this action, as indicated by the Watched icon on the button.

- tv **Set/Clear all Don't Like** – Sets or clears the Don't Like status for all airings in the group, after confirmation. When the dialog is open, the **Don't Like** command is a shortcut for this action, as indicated by the Don't Like icon on the button.

- tv **Set/Clear all Archived** – Sets or clears the archived status for all recordings in the group. Select this option to add or remove archived recording status for completed SageTV Recordings. The location for the recording file will not be changed on the computer's disk drive, but the recording will now be archived or not. SageTV will never automatically delete any archived recordings. Additionally, when a recording is unarchived, it will be marked as a Manual Recording in order to prevent SageTV from deleting it in the near future. Not available for imported videos. **Note:** The [SageTV Recordings](#) menu can optionally list archived and/or non-archived recordings.

- tv **Edit User Categories** – Use this option to assign user defined categories to a group of recordings, Favorites, or Manual Recordings. The option will be available for existing recordings or for any not yet recorded airings that are Favorites or Manual Recordings. After selecting this option, you may be asked whether to edit the User Categories for the recordings, the Favorites that apply to the airings, or to the Manual Recordings, if more than one of those apply. After the User Category editing dialog opens, select one or more categories to be assigned. While the dialog is open, you can add new user defined categories or resort the category list to place the selected ones at the top. Toggle the Mode to set all items in the group to use the same set of selected categories, remove selected categories from all items in the group, or add the selected categories to the items without changing their existing category assignments. If the existing categories are mixed, you will be asked to confirm the change when assigning the same categories for an entire group. Choose Done once all assignments have been made or select Cancel to close the dialog without changing the category assignments. The **Delete** command can be

used while a category is highlighted to remove it from the list of user defined categories. If the category is still in use in the SageTV database, it will remain in the list, however. **Note:** The [SageTV Recordings](#) menu can be filtered to optionally include or exclude recordings based on their categories and/or user categories.

- tv **Edit Video Information** – Use this option to assign MPAA ratings and Categories for a group of imported videos. Selecting this option opens a dialog displaying the current MPAA rating and category assignments, if any. Choose which information to edit, then choose or clear the MPAA rating, or set categories for the videos. If the MPAA ratings or category assignments are mixed, you will be asked to confirm making a change for the entire group. While setting the categories, you can also add a new category, choose whether to also list TV categories to choose from, or resort the category list to place the selected ones at the top. Toggle the Mode to set all items in the group to use the same set of selected categories, remove selected categories from all items in the group, or add the selected categories to the items without changing their existing category assignments. Choose Done once all assignments have been made or select Cancel to close the dialog without changing the category assignments. The [Delete](#) command can be used while a category is highlighted to remove it from the list of user added categories. If the category is still in use in the SageTV database, it will remain in the list, however.
- tv **Select opens group options dialog, Info browses group** – Selecting this option toggles whether the [Select](#) command or the [Info](#) command opens the dialog when a group is highlighted and the other is used to browse into a highlighted group. **Note:** This setting can also be configured via the [For grouped items: Select opens options dialog, Info browses into group](#) option in [Detailed Setup: Customize Settings](#).
- tv **Close** – Closes the options dialog without performing any action.

## Left Column

The left column of options is available for a group of recordings or imported videos.

- tv **List of Recent Video Playlists** – If any videos have been recently added to a video playlist, the last few selected playlists will be displayed for faster repeated selection of those playlists.
- tv **Add To Video Playlist...** – Displays a list of video playlists that the current video may be added to. (Note: DVDs and BDs will not be added to playlists.)
- tv **Play a Playlist...** – Allows choosing which video playlist to play now, or you may choose to view all video playlists in the [Video Browser](#).
- tv **Convert all Recordings, or Videos** – Choose this option to convert the entire group of recordings or imported videos to another video format. **Note:** Only completed recordings and videos capable of being converted will be converted as part of a group conversion.

## Program Guide

Parent Menu: [Main Menu](#).

The Program Guide displays the TV programming schedule in a grid layout, covering a short time in the past and extending approximately two weeks into the future. Each page of the grid displays TV programming for the next 1 ½ hours. If channel logos are available, they will be displayed next to each channel's number and name. See [Appendix B: Adding Channel Logos](#).

The current time is depicted by a vertical yellow line on the time bar. Airings that are scheduled to be recorded will be marked with a red dot indicator.

Highlighting an airing will cause the airing's description to be shown at the top of the screen, which may also contain additional markers. See [SageTV Recording Types Indicators](#) for a description of the show indicator markers.

The upper right corner of the screen is used to display the video preview or a thumbnail for the highlighted airing.

The **Left** command can usually be used to return to the previous or parent menu, but on this menu, it is used to navigate the guide grid. To return to the previous menu, use the **Back** command. Or, use the **Home** command to jump to the [Main Menu](#).

**Note:** If you have configured multiple sources using different Programming Guide Data providers in the [Source Setup](#), you may see multiple entries with the same channel number, representing the fact that those multiple sources use the same channel number for different networks. Alternatively, if the same network is available on both sources, but on different channel numbers, that network may be listed only once using only one of those channel numbers. For example: CNN may be on both sources: as channel 6 on one and channel 25 on the other. In this case, CNN will be displayed as channel 6 or 25, but not both; however, CNN will actually still be available from both sources on the proper channels. SageTV will internally track which channel belongs to each source. If all sources use the same channel lineup, all channels are listed only once.

### Navigation Commands

Most standard SageTV commands are available while viewing the Program Guide. The commands listed below are those that are used to navigate the TV program guide.

Command	Keystroke	Function
<b>Left</b>	Left arrow	Highlights the show to the left of the current one, scrolling the grid if needed.
<b>Right</b>	Right arrow	Highlights the show to the right of the current one, scrolling the grid if needed.

<b>Command</b>	<b>Keystroke</b>	<b>Function</b>
Up	Up arrow	Highlights the show above the current one, scrolling the grid if needed.
Down	Down arrow	Highlights the show below the current one, scrolling the grid if needed.
Page Right	Ctrl+F,	Scrolls the grid one page forward, to see the program listings
Skip Fwd	F8	for the next 1 ½ hour time period.
Smooth FF		
Page Left	Ctrl+A,	Scrolls the grid one page backward, to see the program
Skip Bkwd	F7	listings for the previous 1 ½ hour time period.
Smooth Rew		
Page Up	Page Up, F5	Scrolls the grid one page up, to see the previous five channels.
Page Down	Page Down, F6	Scrolls the grid one page down, to see the next five channels.
Select	Enter	Displays the <a href="#">Airing and Video Options Dialog</a> , where the list of possible actions that can be performed will be shown.
Play	Ctrl+D	If no media is currently playing, using the <b>Play</b> command on a show that is currently airing will cause SageTV to begin viewing the show.
Info	Ctrl+I	Displays the <a href="#">Program Information</a> screen for the highlighted show.
Watched	Ctrl+W	Toggles the Watched status for the highlighted show.
Favorite	Ctrl+K	Adds the highlighted show as a Favorite if it is not one already. If it is already a Favorite, you will be asked whether to remove it from the Favorites list.
Don't Like	Ctrl+J	Toggles the Don't Like status for the highlighted show.
Record	Ctrl+Y	Displays the <a href="#">Record Command Options Dialog</a> , where you can choose from the various recording options currently available.
Home	Home	Moves directly to the <a href="#">Main Menu</a> .
Options	Escape, Ctrl-O	Toggles the display the pop-up options menu; see below for full details.
Num 0 – 9	0-9	Enter one or more numbers followed by the <b>Select</b> command to jump to that channel number.
+ Select	+ Enter	
Skip Fwd #2	Ctrl+F8	Jump ahead 1 day in the guide.
Skip Bkwd #2	Ctrl+F7	Jump back 1 day in the guide.

<b>Command</b>	<b>Keystroke</b>	<b>Function</b>
Num 0 – 9 + Page Right or + Skip Fwd or + Smooth FF or + Skip Fwd #2	0-9 + Ctrl+F or + Ctrl+F7	Enter one or more numbers followed by the <b>Page Right</b> , <b>Skip Fwd</b> , <b>Smooth FF</b> , or <b>Skip Fwd #2</b> command to jump ahead that many days in the guide.
Num 0 – 9 + Page Left or + Skip Bkwd or + Smooth Rew or + Skip Bkwd #2	0-9 + Ctrl+A or + Ctrl+F8	Enter one or more numbers followed by the <b>Page Left</b> , <b>Skip Bkwd</b> , <b>Smooth Rew</b> , or <b>Skip Bkwd #2</b> command to jump back that many days in the guide.

## Mouse Navigation

Scrolling may be performed with the mouse by left-clicking on the arrow icons, , , , and , to scroll the list left, right, up, and down, by one complete page. The arrow buttons on either side of the day's date may be used to scroll one day at a time. The larger direction icons,  and , indicate that the show's timeslot continues in that direction; they are not mouse action buttons.

Left-click on a show to display the [Airing and Video Options Dialog](#), where the list of possible actions that can be performed will be shown.

A right-click will display this menu's custom pop-up options menu. See below for details.

## TIP: Updating the Guide Data

SageTV will automatically update its programming data once every 24 hours; however, if you wish to force an update of the guide data, go to [Channel Setup](#) or the [Channel Manager](#) menu, then select any channel twice so that its enabled/disabled status is toggled back to its original setting, then exit the menu. This will not change which channels you can receive, but SageTV will then go online to refresh the programming data. The Channel Manager menu can be accessed via this menu's options menu, below.

## Program Guide Options

Use the **Options** command to display the various options available on this menu. The options list can be exited by using the **Options** command again or via the **Left** arrow. The choices are:

- tv **Menu Options** – Display the [Program Guide Menu Options](#) dialog, below.
- tv **Channel Manager** – Jump to the [Channel Manager](#) menu, where channels can be enabled or disabled and the logical channel numbers (the numbers shown in the guide grid) can be remapped.

- tv **Search** – Jump to the consolidated [Search](#) menu, with the search style starting with the last used TV search style.
- tv **SageTV Recordings** – Jump to the [SageTV Recordings](#) menu, at the last-used view.
- tv **Recording Schedule** – Jump to the [Recording Schedule](#), which displays a list of all TV shows that are scheduled to be recorded, at the last-used view.

## Program Guide Menu Options

The Program Guide Menu Options dialog is used to configure additional options for the menu. The options are:

- tv **Number of Rows** – Sets the number of channel rows displayed on the grid.
- tv **Number of Columns** – Sets the number of time columns displayed on the grid.
- tv **Column duration** – Sets the number of minutes each time column represents in the grid.
- tv **Font Size** – Sets the size of the font used to display the show listings in the grid. If you have increased the number of columns and/or rows, you may wish to decrease the font size.
- tv **Channel Sorting** – Select this option for a pop-up dialog where you can choose the Channel Sorting Options:
  - o **Channel Sorting Style** – Select this option to toggle whether the channels are sorted by **Number** or **Name**.
  - o **List channels in reverse** – Select this option to toggle the order, either ascending or descending, in which the channels are listed.
- tv **Display channel logos if available?** – Selecting this option toggles whether channel logos will be displayed, when they are available. See [Appendix B: Adding Channel Logos](#).
- tv **Display channel number and name on** – Selecting this option toggles whether the channel number and name will be displayed on 1 or 2 lines. For single line display, the number and name are displayed side by side; for two line display, they are displayed with the number above the name.
- tv **Use vertical wrap-around scrolling in the Program Guide grid** – Choose whether the Program Guide grid should wrap vertically from the last channel to the first channel when scrolling up or down. This option is also available in [Detailed Setup: Customize Settings](#).

- **Video Menu Options** – Displays the Options menu found on most screens, where you can set when and how video playback is shown on menus. See its full explanation for details.
- **Close** – Exit the pop-up menu.

## Program Information

The **Program Information** screen displays the full information for airings in the [Program Guide](#).

Full details for the airing are shown on the left side of the screen. The data may fill more than the space on a single screen. If so, you will be able to scroll down to see the rest of the information.

The right size of the screen is used to display a combination of the airing's thumbnail, series image, or channel logo (if there is one); however, if video is displayed in a window on menus, the video may be shown instead of an image in the upper right corner.

Use the **Select** command (Enter key) to display the list of possible actions to perform for the airing; see the [Airing and Video Options Dialog](#) for details.

Use the **Back** command or the **Left** arrow to return to the previous menu.

Using the **Options** command will display the [Video Menu Options](#) dialog, which is the regular Options menu found on most screens. See its full explanation for details.

## Series Information

The **Series Information** screen displays the extended information for a series, when it is available. Not all series have information available.

The series information is shown on the left side of the screen. Some of the information that may be displayed includes a description of the series, its history, and list of cast members. The data may fill more than the space on a single screen. If so, you will be able to scroll down to see the rest of the information.

The lower right part of the screen is used to display the series image (if there is one).

The upper right corner is used to display the video preview, if video is displayed in a window on menus and a video is playing.

Use the **Back** command or the **Left** arrow to return to the previous menu.

Using the **Options** command will display the **Video Menu Options** dialog, which is the regular Options menu found on most screens. See its full explanation for details.

## Additional Airings

The **Additional Airings** screen lists all the future airings for a show.

Highlighting a show will cause some of its detailed information to be displayed on the right side of the screen. Use the **Select** command or left-click on an airing to see options for it; see the [Airing and Video Options Dialog](#) for details.

See [SageTV Recording Types Indicators](#) for a description of the show indicator markers.

The first two entries in the list allow accessing the Past Airings and the Current Recordings for the show, if any such airings or recordings were found. Select a group to display the [Grouped Airings and Videos Options Dialog](#).

The layout and use of this menu is similar to the [Search Results](#) menu. See that menu's details regarding its configuration options.

## Airing History

The **Airing History** screen lists all the past airings for a show that are still in the SageTV database. Not all data for previous airings will be saved. If SageTV has no reason to store the details of a show, such as the show was never watched, not marked as Don't Like, is not a Favorite, etc., then its data will be removed from the database at some point after it is no longer listed in the current EPG listings.

Highlighting a show will cause some of its detailed information to be displayed on the right side of the screen. Use the **Select** command or left-click on an airing to see options for it; see the [Airing and Video Options Dialog](#) for details.

See [SageTV Recording Types Indicators](#) for a description of the show indicator markers.

The first two entries in the list allow accessing the Current Recordings and the Future Airings for the show, if any such recordings or airings were found. Select a group to display the [Grouped Airings and Videos Options Dialog](#).

The layout and use of this menu is similar to the [Search Results](#) menu. See that menu's details regarding its configuration options.

## Recording Schedule

Parent Menu: [Main Menu](#).

The **Recording Schedule** displays a list of all the TV shows scheduled to be recorded. You may scroll through the list, using the directional arrows, along with the **Page Up** and **Page Down** commands.

SageTV will automatically determine the upcoming recording schedule for up to the next 14 days. Manual recordings can be scheduled as far into the future as there is guide data in the [Program Guide](#), usually about 12-14 days. In addition, if the scheduler is set to cover fewer days than the EPG data covers, the automatic scheduler can schedule a show to be recorded beyond the initial number of days if it conflicts with other shows during that time period and if it will be aired again during the extended time that the guide covers. See [Number of Days to Schedule Recordings](#) in [Detailed Setup: Customize Settings](#).

Highlighting an individual airing will cause some of its information to be displayed above the list. **Select** or left-click on an airing to view the list of possible actions to perform for that airing; see the [Airing and Video Options Dialog](#) for details. Use the **Info** or **Right** arrow commands to view the [Program Information](#) for a highlighted show.

The upper right corner of the screen is used to display video previews or thumbnails for the highlighted airing.

See [SageTV Recording Types Indicators](#) for a description of the show indicator markers.

## Recording Schedule Views

The Recording Schedule menu is configured with three views. Use the **Options** command to change the current view. See [Recording Schedule Options](#). The three viewing styles are:

- tv **Interleaved** – Scheduled recordings are simply presented in a list, without any blank space for time periods where no recordings are scheduled.
- tv **Group by Day** – Airings are grouped by day, then a 2-column list of each day and the highlighted day's scheduled recordings is shown.
- tv **Parallel** – A column for each installed capture device is used to display shows in the time slot where they will be recorded for each device.

**Tip:** Use the **Smooth FF**, **Skip Fwd #2**, **Smooth Rew**, or **Skip Bkwd #2** commands to jump to the next or previous view.

## Recording Schedule Options

Use the **Options** command to display the various options available on this menu. The options list can be exited by using the **Options** command again or via the **Left** arrow. The choices are:

- tv **Views** – The available viewing styles are listed below the **Views** title. The current view is highlighted. Select any view to switch to that viewing style.
- tv **Filters** – Three quick access filters are shown for Manual Recordings **M**, Favorites **F**, and Other **O** recordings. Each time the filter is selected, it changes between ignoring the filter, filtering to include recordings of that type, or filtering to exclude recordings of that type. **Notes:** “Other” is anything that is not a Favorite or Manual Recording, including Intelligent Recordings or Live TV that is not a Manual Recording or Favorite.
- tv **Recording Conflicts** – Go to the **Recording Conflicts** menu. This option is displayed only when there are unresolved or resolved recording schedule conflicts. If there are no conflicts, this option will not be visible.
- tv **Menu Options** – Display the **Recording Schedule Menu Options** dialog, below.
- tv **Search** – Go to the consolidated **Search** menu, with the search style starting with the last used TV search style.
- tv **SageTV Recordings** – Go to the **SageTV Recordings** menu.
- tv **Imported Videos** – Go to the **Video Browser**.

## Recording Schedule Menu Options

The Recording Schedule Menu Options dialog is used to configure additional options for the menu. The options are:

- tv **Max Number of Tuner Columns** – This option is only available while using the **Parallel** viewing style; use it to set the maximum number of tuner columns shown on the screen at once.
- tv **Number of Rows** – Set the number of rows used for the list of scheduled recordings.
- tv **Grid or Airing List Font Size** – Set the font size used to display the list of scheduled recordings.
- tv **Video Menu Options** – Displays the Options menu found on most screens, where you can set when and how video playback is shown on menus. See its full explanation for details.
- tv **Close** – Exit the pop-up menu.

## Notes about Scheduled Recordings

### Recording a show only once

SageTV will use a show's ShowID to determine whether that show was recorded or watched previously. If each episode of a series has a unique ShowID, then SageTV will be able to track the data for each individual show. However, some series only provide a single ShowID for every episode in the series, which means that SageTV will not be able to tell one show from another.

If SageTV is able to track each individual show, those shows will not be recorded again if they are already recorded or marked as Watched. The Watched status markers are remembered even after a recording is deleted, so as long as the show has a unique ShowID, SageTV will know not to record it again. **Note:** Using the **Record** command will override this and force SageTV to record a show again regardless of its current status.

### ShowID Prefixes

There are at least four types of ShowIDs that are seen in SageTV:

- tv **MV** – Move ID. Each movie has its own ID. **Note:** Keep an eye on multi-part movies or miniseries. Sometimes, the EPG data provider does not assign unique IDs to each part of the overall movie; if this happens, SageTV may not know that Part 1 is not the same as Part 2 and may only record one of the parts.
- tv **EP** – Episode ID. Most series have a unique ID assigned to each episode of that series. When this is the case, SageTV will be able to know that an episode has already been recorded.
- tv **SH** – Series ID. A series will have its own base ID, usually with the last four digits set to 0000. Some series have no unique ID for each episode. When this is the case, every episode of the series will be assigned the same ID, forcing SageTV to record every airing due to its inability to tell them apart.
- tv **SP** – Sports ID. Each Sports show should have its own ID.

### Scheduling up to 14 Days in Advance

As mentioned above, by default, SageTV will automatically schedule shows to be recorded for up to the next 14 days. If the scheduling lookahead time is less than the time covered by the EPG data and a conflict prevents a show from being recorded during that scheduling time period, the scheduler will look as far into the future as it has EPG data to try to find another airing of that same show. If another airing is found beyond the scheduling time, that airing may be added to the schedule to resolve a conflict. **Note:** The scheduler time limit applies only to the shows that SageTV automatically schedules to record, via Favorites or Intelligent Recordings. You may use the **Record** command to tell SageTV to record any show that is currently in the EPG data, which covers approximately the next two weeks. See [Number of Days to Schedule Recordings](#) in [Detailed Setup: Customize Settings](#).

## Why A Favorite May not be Scheduled to Record

Sometimes, an airing that you believe should be scheduled to record because it is one of your Favorites is not added to the recording schedule. There could be a variety of reasons why this is the case; among those reasons:

- tv Is the airing title shown in **Bold** font? If not, then it doesn't fit any of your Favorites' settings and will not be recorded as a Favorite.
- tv If it is already recorded & sitting in the list of SageTV Recordings, it won't be recorded again.
- tv If the episode is marked as 'Watched' or the airing is marked 'Don't Like', SageTV won't record it again. (Watched shows are displayed in italics.)
- tv Is it a ReRun & your Favorite is set for First Runs only, or vice-versa?
- tv Is the Favorite set for a specific channel, but the show is aired on a different channel?
- tv Was a specific timeslot set for the Favorite, but the airing is outside that timeslot?
- tv Is a value set for the Favorite's Keep At Most option and that limit has been reached? (New recordings will cease if this is the case and AutoDelete is set to No.)
- tv It may be scheduled to record during another airing. Check future airings.
- tv There is a conflict and that favorite was deemed to be a lower priority than another favorite or manual recording, so it was skipped. (Check the [Recording Conflicts](#) menu for conflicts.)

## Search

The **Search** menu consolidates all types of media searches into a single menu. From this menu, you can search for TV airings, Videos (recordings or imported videos), Music, Photos, and Online Videos.

Above the text entry field and the search results are two category bars: use the top bar to choose the media type to be searched, then use the lower bar to choose how to search that media type. **Tip:** Use the **Smooth FF**, **Skip Fwd #2**, **Smooth Rew**, or **Skip Bkwd #2** commands to jump to the next or previous search style.

The lower left portion of the screen contains the characters you can Select to enter as search text. You can also simply type using the keyboard, then arrow over to the results list. Text may be entered from a remote's number pad via **Numeric Text Input**. Use **Back** to return to the previous menu, **Erase** to clear the last character entered (or use Backspace on the keyboard, or the **Stop** command on a remote), and **Clear** to clear the entire entry field.

The list of search results on the right side of the screen is updated a short time after input stops. Select one of the results to see the **Search Results** for an airing, to open a pop-up options dialog for a media item, or to view a photo. At the top of most search results lists will be an item offering to view all items found.

The following search types are available:

- tv TV – Search TV airings, including recordings and past or future airings. Search by:
  - title
  - people
  - description
  - all fields
- tv Videos – Search videos, including recordings and imported videos. Search by:
  - title
  - people
  - description
  - all fields
- tv Music – Search the music collection by:
  - song title
  - album title
  - artist
- tv Photos – Search photos by:
  - title
- tv Online Videos – Select this search type to search **Google Video** content.

## Search Results

The **Search Results** screen lists the results of a TV search from the [Search](#) menu. All future airings that match the search criteria will be displayed. Highlighting a show will cause some of its detailed information to be displayed on the right side of the screen. Use the [Select](#) command or left-click on an airing to see options for it; see the [Airing and Video Options Dialog](#) for details.

See [SageTV Recording Types Indicators](#) for a description of the show indicator markers.

The first two entries in the list allow accessing the Past Airings and the Current Recordings for the show, if any such airings or recordings were found. Select a group to display the [Grouped Airings and Videos Options Dialog](#).

The upper right corner of the screen is used to display the video preview or a thumbnail for the highlighted airing.

## Search Results Options

Use the [Options](#) command to display the various options available on this menu. The options list can be exited by using the [Options](#) command again or via the [Left](#) arrow. The choices are:

- tv **Clear All filters** – Clear all filters so that all search result items are included.
- tv **Filters** – Two rows of filter icons are displayed:
  - o The Watched , Don't Like , First Run , HDTV , and Archived  filters are initially turned off. Select an item once to filter so that only items matching that criteria are included. Select the item a second time to filter out any airings matching that status. Select it a third time to disable the filter.
  - o Three filters are shown for Manual Recordings , Favorites , and Other  recordings. Each time the filter is selected, it changes between ignoring the filter, filtering to include recordings of that type, or filtering to exclude recordings of that type. **Notes:** “Other” is anything that is not a Favorite or Manual Recording, including Intelligent Recordings or Live TV that is not a Manual Recording or Favorite.
- tv **Menu Options** – Display the [Search Results Menu Options](#) dialog, below.
- tv **Search** – Go to the consolidated [Search](#) menu, with the search style starting with the last used TV search style.
- tv **Sorting** – Open the [Sorting Options](#) dialog, below.

- tv **SageTV Recordings** – Jump to the [SageTV Recordings](#) menu, at the last-used view
- tv **Imported Videos** – Go to the [Video Browser](#).

## Search Results Menu Options

The Search Results Menu Options dialog is used to configure additional options for the menu. The options are:

- tv **Number of Rows** – Set the number of rows used to display the list of airings.
- tv **Airing List Font Size** – Set the font size used to display the list of airings.
- tv **Video Menu Options** – Displays the Options menu found on most screens, where you can set when and how video playback is shown on menus. See its full explanation for details.
- tv **Close** – Exit the pop-up menu.

## Sorting Options

The Sorting Options dialog contains a list of options for sorting the search results list. The Past Airings and Current Recordings groups are always shown as the first two items in the list. Choose from the sorting options listed below:

- tv **Oldest/Newest First** – Airings are simply sorted by their airing date.
- tv **Title or Episode A-Z/Z-A** – Sorting is performed on the shows' titles or episode names. If all items in the search results have the same title, then they will be sorted by episode name.
- tv **Title A-Z/Z-A + Oldest/Newest First** – Airings are sorted by their titles, with items having the same title sorted by airing date.
- tv **Category** – The name of each show's category is used for sorting. As usual, there is a choice for reversing this sort.
- tv **Orig. Air Date** – Each airing's original airing date is used for sorting, either in oldest-to-most recent or most recent-to-oldest (reversed) order.
- tv **Channel Name A-Z/Z-A** – The name of the channel where each show airs is used for sorting.

- **Intelligent** – The list will be sorted by SageTV’s recording priority. Manual recordings are listed before Favorites, then Intelligent Recordings and live TV, followed by watched shows, with shows marked as Don’t Like listed last. Within each of those sections, the newer airings are listed first. The **Reversed** form of this style simply reverses the sort order.
- **ShowID** – The airing’s ShowID is used for sorting, in ascending or descending (reversed) order.
- **Reverse Sort Order** – When checked, the search result list will be sorted in reverse order.
- **Close** – Close the pop-up list without changing the current setting.

## Browse By Category

The **Browse By Category** screen lists all the future airings for shows, sorted by their categories. If shows belong to more than one category, they will be listed in multiple categories.

**Note:** If any of the channels in your EPG air HDTV content, there will be an HDTV category listed on this menu, which will contain all future HDTV airings. While this is not a true category, it has been added to enable browsing all HDTV airings.

The left-hand pane displays a scrollable list of all the categories for upcoming shows currently listed in the EPG. Highlight a category name to see a list of upcoming shows for that category. Select a category name to display the [Grouped Airings and Videos Options Dialog](#) for the group of airings in that category. **Tip:** While an item in the left column is highlighted, enter a letter or number to jump to the next category that starts with that letter. Numeric input will jump to the next letter based on the [Numeric Text Input](#) settings.

When a category name is highlighted, the upcoming airings for that category are listed in the right-hand pane, sorted by airing time. Highlighting an airing in the right side list will cause some of its detailed information to be shown at the top of the screen. Use the [Select](#) command or left-click on an airing to see options for it; see the [Airing and Video Options Dialog](#) for details.

The upper right corner of the screen is used to display the video preview or a thumbnail for the highlighted airing.

## Favorites Manager

The **Favorites Manager** lists all the current favorites and has options for adding new ones, sorting the list, and assigning User Categories to Favorites.

The right side of the screen contains the current list of favorites, sorted by the selected Sort option (see below). Select a favorite from the list to go to the **Favorite Details** menu for that favorite. Use the **Right** arrow or click on the ► icon to enable changing the favorite's priority. See [Adjusting a Favorite's Priority](#), below.

The left side contains some actions that can be performed:

- tv **New by Title** – Adds a new favorite by searching for and choosing the title of the show to be added. Simply type in part of the title you wish to add as a favorite, then select it from the list shown on the right side of the screen.
- tv **New by Actor** – Adds a new favorite by searching for and choosing the name of the actor to be added. Simply type in part of the name you wish to add as a favorite, then select it from the list shown on the right side of the screen.
- tv **New by Category** – Adds a new favorite by choosing a category to be added. Simply scroll through the list of categories presented and select the one you wish to add as a favorite
- tv **New by Keyword** – Adds a new favorite by entering a keyword phrase. After selecting the **Add Favorite** button when adding a new Keyword Favorite, a pop-up menu will ask what parts of a show's description will be searched for the specified keyword. Select from:
  - **All Fields** – All the major show description fields are searched for the keyword: title, episode, description, year, people (actor, producer, etc.), category, subcategory, miscellaneous info (i.e. Stereo, Series Premiere, Season Premiere, etc.), expanded ratings (i.e., adult language, violence, etc.), language and channel name.
  - **Title Only** – Only the title of a show will be searched for the keyword.
  - **Cancel** – Close the pop-up menu and return to editing the keyword. (The **Options** command will also close the menu without making a selection.)

When entering keywords, keep in mind that Keyword Favorites follow these rules:

- The keyword is tested against the chosen fields for each show's description. (See below for further details on types of keyword favorites.)

- Keywords are not case sensitive: **BOB** is the same as **bob**.
  - If multiple keywords are entered, all words in the keyword phrase must be found in a show's description for it to be included; however, order does not matter: **star trek = trek star**.
  - The quote character ("") can be used to delineate exact phrases to match: "**star trek**" will find all the various Star Trek series and movies, but "**trek star**" will not.
  - The asterisk (\*) is used to match any extra characters in a word or none: **Len\*** can also match Leno.
  - The Question mark (?) is used to match any single character: **Len?** will match Leno, but not Len.
  - Keywords must match a whole word: **Len** will not find Leno, but **Len?** or **Len\*** will.
- tv **Sort by: Priority** – Toggles whether the list of Favorites is sorted by **Priority** (default) or **Title**. Note: when sorted by title, the priority cannot be adjusted. See [Adjusting a Favorite's Priority](#), below.
- tv **Assign User Categories** – Use this option to assign the same User Categories to multiple Favorites at once. A dialog listing all Favorites will be shown. Select each Favorite to be assigned a specific set of User Categories, then select **Edit User Categories**. After the User Category editing dialog opens, select one or more categories to be assigned. While the dialog is open, you can add new user defined categories or resort the category list to place the selected ones at the top. Toggle the Mode to set all items in the group to use the same set of selected categories, remove selected categories from all items in the group, or add the selected categories to the items without changing their existing category assignments. If the existing categories are mixed, you will be asked to confirm the change when assigning the same categories for an entire group. Choose Done once all assignments have been made or select Cancel to close the dialog without changing the category assignments. The **Delete** command can be used while a category is highlighted to remove it from the list of user defined categories. If the category is still in use in the SageTV database, it will remain in the list, however. **Note:** The [SageTV Recordings](#) menu can be filtered to optionally include or exclude recordings based on their categories and/or user categories.
- tv **Back** – Return to the previous menu.

### Adjusting a Favorite's Priority

In cases of scheduling conflicts, favorites are prioritized according to their position in the list of favorites: those with a lower number have priority over the higher numbered ones. Thus, favorite

#1 has priority over favorite #2 if a scheduling conflict arises where not all Favorites can be recorded. While viewing the Favorites list sorted by Priority, you can enter a mode to change the priority of a favorite by using the **Right** arrow while it is highlighted, or by clicking on the ► icon with the mouse. The highlighted favorite will change its display to include additional icons. While in priority change mode, you may do the following:

- tv Use the **Left** arrow, or click on the ◀ icon, to **exit priority change mode**.
- tv Use the **Up** arrow, or click on the ▲ icon, to move the favorite up in the list, to a lower numbered position so that it has **higher priority**. This option will not be available if the favorite is in the #1 position.
- tv Use the **Down** arrow, or click on the ▼ icon, to move the favorite down in the list, to a higher numbered position so that it has **lower priority**. This option will not be available if the favorite is in the last position.

#### Notes:

To help determine why a Favorite airing may not be scheduled to record, see [Notes about Scheduled Recordings](#).

When the Favorites list is sorted by Title, their relative priorities cannot be adjusted.

## Favorite Details

The **Favorite Details** menu lists all the current settings for the favorite listed near the top of the screen. Select any of the settings buttons to be presented with a pop-up dialog containing options for changing the setting. If you wish to cancel a pop-up without making any changes, use the **Options** command (keys: Escape or Ctrl+O; mouse: right-click) to dismiss the dialog. The selectable options on this menu are:

**First/ReRuns** – Every favorite can be set to record only the first runs of each airing, only the reruns, or both first runs and reruns. The button displays the current setting. **Note:** Setting the favorite to record reruns means that it will record unwatched older airings of a show that are aired again; it will not automatically record airings that are already marked as Watched.

**IMPORTANT:** If a setting fails to ‘stick’ when selected, it could mean that another Favorite already exists using the same limitation criteria.

**Channel** – A favorite can be set to record on any channel or only on one or more selected channels.

When there is no channel limitation set, all channels that air the Favorite show will be displayed near the top of the list, along with information about whether the airings on that channel only occurred in the past or whether there are future airings listed in the current EPG data. Once a channel limit has been set, airings of the Favorite can only be checked for the channel(s) the Favorite is limited to, so in order to see whether other channels also air the Favorite, choose **Any** to clear the selection and update the list of channels. The **Refresh Channel List** option can be used to update the channel list by determining which channels have airings and moving all selected channels to the top of the list.

**AutoDelete** – The **Automatic** setting allows SageTV to automatically delete recordings of this favorite as needed. The **Manual** setting tells SageTV to never delete any recordings of this favorite, in which case you will have to delete the recordings with the **Delete** command when you no longer want to keep them.

**Keep At Most** – This option instructs SageTV to keep no more than the specified number of recordings for this favorite, if AutoDelete is set to Automatic. When AutoDelete is set to Manual, SageTV will stop recording new shows when the specified number of recordings is reached (up to 63); however, if another recording is already in progress, it will also be recorded. It is possible to have extra recordings created until the recording schedule is fully updated. Manually delete one of the recordings to allow SageTV to record another show. To keep all recordings of a favorite, set this value to 0.

**Start Time and Stop Time** – You may choose to add padding to the beginning or end of each recording of a favorite in order to make sure that the entire show is recorded. At times, a station’s clock differs from SageTV’s clock and a show may start slightly before a recording begins, or

finish slightly after the recording ends. Adding padding time will enable the start and end of the show to be recorded.

**Note:** Adding extra time to the beginning or end of recordings may cause the recording to conflict with other shows which might need to record during the padded time period. Especially when using only single tuner, be careful that your padding time is not interfering with the scheduling of other recordings. Be sure to check the [Recording Conflicts](#) screen for conflict information. If a conflict occurs, you will be notified with the conflict icon  on the menu header. You can click on the icon to go directly to the [Recording Conflicts](#) screen.

When adjusting the start or stop padding time, pop-up dialogs are displayed. Use the **Left** and **Right** arrow commands, or left-click on the  and  icons, to adjust the time by a single minute at a time. Use the **Page Left** (Ctrl+A) and **Page Right** (Ctrl+F) commands, or left-click on the  and  icons, to adjust the time by 15 minutes at a time. When done, use the **Select** command (Enter), or left-click on the time, to accept the changes and close the dialog. To cancel the changes, use the **Options** command (Escape or Ctrl+O), or right click anywhere.

**Recording Quality** – Allows setting the recording quality to be used for every recording of the favorite. A pop-up menu of recording quality choices will be shown. **Note:** SageTV supports the use of multiple capture devices using multiple recording formats, such as MPEG2 and MPEG4/DivX. If the recording quality is set to one that is not available to all capture devices, a Favorite may be limited to recording only on those devices that can use the specified recording quality, depending on how the [Enforce recording quality in schedule](#) option is set in [Detailed Setup: Customize Settings](#).

**Automatic Conversion** – Use this option to configure a favorite to automatically convert new recordings when the recordings are completed. In the Automatic Conversions dialog, choose the Format, Quality, whether to delete the original recording when the conversion is done, and the folder where the converted recordings should be stored. After making your selections, choose **Use Settings Below** to configure the favorite's automatic conversion settings. Choose **Don't Convert** to stop automatically converting the recordings for the favorite. Or, choose **Cancel Changes** to close the dialog without making any changes to this setting.

**Keyword** – Select this option to edit the keyword for an existing Keyword Favorite or add a keyword to any other type of favorite. The keyword for non-Keyword Favorites can be removed by editing the keyword and clearing it. See the [Favorites Manager](#) for keyword details.

**User-Defined Categories** – Use this option to assign user defined categories to a Favorite. After the User Category editing dialog opens, select one or more categories to be assigned to the favorite. While the dialog is open, you can add new user defined categories or resort the category list to place the selected ones at the top. Choose Done once all assignments have been made or select Cancel to close the dialog without changing the category assignments. The **Delete** command can be used while a category is highlighted to remove it from the list of user defined categories. If the category is still in use in the SageTV database, it will remain in the list,

however. **Note:** The [SageTV Recordings](#) menu can be filtered to optionally include or exclude recordings based on their categories and/or user categories.

**Advanced Options** – Select this button for a pop-up dialog of additional options:

- **Limit to Parental Rating** – If set, this forces the Favorite to only include airings that have the specified Parental Rating, such as TVY, TVG, TVPG, etc.
- **Limit to shows Rated** – If set, this forces the Favorite to only include airings that have the specified Rating, such as G, PG, R, etc.
- **Limit to Day** – If set, the Favorite will only be recorded when it airs on the specified day.
- **Limit to Hour** – If set, the Favorite will only be recorded when its airing falls within the specified hour. **Note:** The airing does not have to be completely contained within the specified hour; only some part of the airing must be within that hour.
- **Clear or Set Watched Status** – Choose this option to be able to Set or Clear the Watched status for all episodes of the Favorite. You will then be asked to confirm the action before SageTV will proceed. While all the episodes are being processed, a progress dialog will be shown and you will be able to stop the action. **Notes:** 1) This option is only available for Favorites that have a show Title; it will not be available for Actor, Category, or Keyword Favorites. 2) Only episodes that qualify under the current Favorite's settings will be affected. So, if the Favorite is limited to a specific airing Day, then only shows that air on that day will have their Watched status set or cleared.

**Additional Airings** – Go to the [Additional Airings](#) menu, where upcoming airings for this favorite will be displayed. All future airings in the EPG that meet the criteria of the favorite's settings will be listed, usually covering approximately the next two weeks. **Note:** If a favorite is limited to a specific channel, only those airings of the show on that channel will be displayed.

**Remove Favorite** – If you wish to remove a favorite, perhaps because the show no longer airs, select this option. A confirmation dialog will be shown, asking whether it really ought to be deleted.

**Back** – Issues the [Back](#) command to return to the screen where you previously were.

## Create Timed Recording

Timed recordings will record during the time period you specify, regardless of what the EPG says is airing at that time. You will need to specify a channel, start time, and stop time for the recording.

### Channel Selection

To select the channel for the recording, use the **Up**, **Down**, **Page Up**, and **Page Down** commands to scroll through the list. After highlighting the desired channel, use the **Right** arrow to select the channel and proceed to selecting the start time. **Mouse:** Click on the and icons to scroll with the mouse. Left-click on the desired channel.

### Start and Stop Time

After choosing the channel, choose the recording's start and stop times. Use the **Up** and **Down** commands to adjust the date, hour, minute, and AM/PM settings. After setting each option, continue to the next field by using the **Right** arrow. After setting all fields, use the **Right** arrow to continue to the next screen, where you will select the **Recurrence** option. **Mouse:** Point to each field and adjusting the values by clicking on the and icons, which will appear. When done, click on the far right icon to continue to the Recurrence menu:

### Recurrence

Choose how often this timed recording should be scheduled:

**Once** – The recording will be scheduled one time only.

**Daily** – The recording will be scheduled to occur at the same time every day.

**Weekly (Specify Days)** – A pop-up menu will appear, where you can choose which days of the week to schedule the timed recording. Select each day when the recording should occur, then select **Done**.

**Weekly** – The recording will be scheduled on the same day and at the same time every week.

### Canceling a Timed Recording

To cancel a timed recording, go to the **Recording Schedule** and select one of the entries for the timed recording (or the only one, if it doesn't recur). On the **Program Information** screen, select **Record Options**. In the resultant pop-up, select **Cancel Recording**. **Note:** All occurrences of the selected timed recording will be deleted, not just the individual schedule entry that was chosen.

## Recording Conflicts

On the **Recording Conflicts** screen, the number of resolved and unresolved recording conflicts is shown, along with the list of recording conflicts. The recording conflict list displays airings that cannot be recorded due to conflicts with other airings. **Select** a conflict to view the **Conflict Resolution Options** screen for that conflict.

During the scheduling process, SageTV makes an attempt to record all the shows that it is asked to record, including deciding which of multiple airings of a show is the best one to record so that it causes the fewest conflicts with other shows that are to be recorded; however, there are times where no amount of shuffling of the recording schedule will allow every single requested recording to be included in the schedule. In these cases, SageTV creates a conflict notification, indicates the conflict on all the menu headers with the  or  icon, and adds the conflict information to the **Recording Conflicts** menu with the same icon next to the list item.

For a conflict that still exists, but for which you have chosen what action to take, the  icon will be shown next to its list entry. This could also apply for new automatically resolved conflicts, such as when a choice was previously made to always have a specific favorite override another specific favorite. If all conflicts have been handled, but conflicts still exist, the  icon will be shown on the menu header.

If there are no conflicts at all, then no conflict icon will be shown on the menu header.

## Conflict Resolution Options

Once a conflict is selected from the list of recording conflicts, a grid showing the other airings in conflict with the one selected is shown at the bottom of the screen, and various conflict resolution options are shown in the upper portion of the screen. The resolution options vary, depending on the circumstances that caused the conflict, but selecting any option will resolve the conflict: the conflict will still be listed, but it will not have the icon indicating that attention is needed.

While viewing the Conflict Resolution Options screen, you may select any airing shown in the grid to view the **Airing and Video Options Dialog** for that airing.

After you have chosen an option for dealing with the conflicts, the  notification icon will be visible.

**Note:** It is not necessary to select any option for a conflict. SageTV will continue to record the rest of the shows that are in the recording schedule, only skipping those shows that are listed as conflicts.

## Music Browser

The **Music Browser** is where all imported music is presented for browsing and playback. Its parent menu is the [Main Menu](#).

To play music in SageTV, add the base directory where your music files are stored as one of the [Media Center Import Directories](#), as defined in [Detailed Setup: General Settings](#). SageTV will then search it and all of its subdirectories for music files and will add them to SageTV's list of music.

**Note:** SageTV can import and play several different music file formats and codec types. See Chapter 4's list of [Supported Media Types](#).

### Music Browser Layout

The **Music Browser** presents your music according to the View currently chosen. The current view is included in the menu title.

On the left side of the screen is a list of all the music choices, grouped according to the current view. **Select** a list entry for all available functions that can be performed on that group, or to browse that group. See the [Music Browser Song Options](#) dialog. the right side of the screen contains information about the currently highlighted music item.

At the bottom of the screen is an area where information on the currently playing media is displayed. While music is playing, you may use the standard transport control commands to play, pause, FF, REW, etc., or use the mouse to click on the transport icons. When no media is playing, the browser area expands to fill this space.

### Music Browser Usage

When using the music browser, it may help to think of it in the sense that you are always working with a set of songs. The initial browser screen contains the entire collection of songs in your music import directories. The collection of songs may be viewed as a simple list of song titles, or grouped by various criteria, such as by Album or by Artist. (See the [Music Browser Options](#), below for a complete list of choices.) Simply **Select** an entry in a list to see a pop-up menu of options for that song or group of songs, including a choice to browse that group. **Tips:** 1) Use the **Info** command to quickly browse down into a highlighted group of songs. 2) To quickly jump to an item in a list, enter the letter or number that it starts with.

When you browse a group of songs, you are now working with **only** the sub-collection of songs in that group, and the [Music Browser Options](#) will then contain choices to view the songs by the currently available groupings. Example: if you browse a year, all the songs in the group will be from a single year, so when you browse that group, the 'Years' option will not be available.

As you browse deeper into your song collection, the status line above the list of music items will contain the history of how the song list has been narrowed down to its current collection.

To return to a previous collection of songs, use the **Back** command.

At any point, when you **Select** a song or group of songs, the pop-up options menu will contain various options to play the songs, add them to a playlist, and so on. See the **Music Browser Song Options** dialog.

In addition to browsing your music collection, the main music browser screen also contains Views that allow you to see all the music playlists or browse the music files by folder.

## Music Browser Views

The Music Browser menu is configured with seven views. Use the **Options** command to change the current view. See **Music Browser Options**, below. The viewing styles are:

- tv **Songs** – Lists all the individual song titles.
- tv **Albums** – Lists all the songs, grouped by the albums they belong to.
- tv **Artists** – Lists all the songs, grouped by their Artist(s). **Tip:** Use the **Options** command to select the Artists to list. You can choose **Artist**, **Album Artist**, and/or **Composer**. If nothing is selected, **Artist** will be used. See the **Music Browser Menu Options**.
- tv **Genres** – Lists all the songs, grouped by their genre.
- tv **Years** – Lists all the songs, grouped by the albums they belong to.
- tv **Playlists** – Lists and manages all the music playlists. (Only on the main music browser screen.)
- tv **Folders** – Browse your music files by the music import folders where the files can be found on your hard drive. (Only on the main music browser screen.)

**Tip:** Use the **Smooth FF**, **Skip Fwd #2**, **Smooth Rew**, or **Skip Bkwd #2** commands to jump to the next or previous view.

## Music Browser Options

Use the **Options** command to display the various options available on this menu. The options list can be exited by using the **Options** command again or via the **Left** arrow. The choices are:

- tv **Views** – The available viewing styles are listed below the **Views** title. The current view is highlighted. Select any view to switch to that viewing style.
- tv **Menu Options** – Display the [Music Browser Menu Options](#) dialog.
- tv **Search** – Go to the consolidated [Search](#) menu, with the search style starting with the last used Music search style.
- tv **Mode: <Playback Style>** – Indicates the current playback mode style. **Select** to toggle between the four playback modes:
  - o **Normal Playback** – Play all songs in order a single time.
  - o **Repeat** – Play all songs in order; repeat when all songs have been played.
  - o **Repeat + Shuffle** – Play all songs in random order; repeat when all songs have been played.
  - o **Shuffle** – Play all songs in random order a single time.
- tv **Imported Videos** – Go to the [Video Browser](#).
- tv **Imported Photos** – Go to the [Photo Browser](#).
- tv **Previous Song** – Jump to the previous song in the playlist. **Note:** Only available when music is playing.
- tv **Next Song** – Jump to the next song in the playlist. **Note:** Only available when music is playing.
- tv **Visualizations** – Go to the music visualization on the [Music Playback](#) screen. **Note:** Only available when music is playing.

## Music Browser Menu Options

The Music Browser Menu Options dialog is used to configure additional options for the menu. The options are:

- tv Customize the music browser by adjusting the number of rows and columns displayed, the size of the font used, or the number of albums thumbnails shown on each row when the display uses only a single column. **Note:** Note all views can display multiple columns.
- tv In the **Artists** view, you can configure which people to list as artists: the people credited in the music files as Artist, Album Artist, and/or Composer.
- tv For the **Folder** view, choose whether to list each music import folder separately, or combine all music import folders into a single folder tree.

- tv Enable or disable **Shuffle Playback**.
- tv Enable or disable **Repeat Playback**.
- tv Open the **Advanced Options** dialog, which has options for:
  - o **Configure Media Center Import Directories** – Jumps to the Configuration Wizard step for editing the [Media Center Import Directories](#).
  - o **Refresh Imported Media** – Causes SageTV to check all import directories to refresh its list of imported media files.
- tv Set the [Video Menu Options](#).
- tv Close the dialog.

### Note about the “Now Playing” Playlist for Music

**Special Note:** All music, except for other playlists and the Play All Songs playlist option, is played using the temporary **Now Playing** playlist. While the content of most playlists is shared with all SageTV clients that connect to your SageTV server, the content of this special playlist is limited to each individual client and will be reset as needed or when SageTV restarts. Any time a song or group of songs is played, it will be playing from this playlist, rather than as an individual song. At any time, you may add additional songs to the list, or play some other music ‘now’ instead of adding it to this list.

Other playlists may be played individually or as part of the Now Playing playlist, but the Now Playing playlist may not be added to other playlists.

### Music Browser Song Options

When the the **Select** command is used on a song or group of songs, a pop-up dialog containing all of the available actions that may be performed will appear. **Note:** If a group contains a very large number of songs, it may automatically browse into that group rather than show the options dialog.

The actions in this dialog are dynamically added or removed, depending on what may be done at that moment. The possible actions are listed below.

- tv **Browse <song grouping>** – Browse into a group of songs, viewing only the songs which belong to that group.
- tv **View Song Detail** – View the [Song Detail](#) screen for a single song.

- tv **Add to Now Playing Queue** – Add the song group to the **Now Playing** playlist. This option is available when that playlist is currently playing.
- tv **Add to Current Playlist** – Add the song group to the currently playing playlist. This option is available when a playlist other than the **Now Playing** playlist is currently playing.
- tv **Play Now** – Play the song group now. If the **Now Playing** playlist is already in use, it will be cleared before playback of these songs is started.
- tv **View Visualizations** – Go to the music visualization on the **Music Playback** screen.  
**Note:** Only available when music is playing.
- tv **List of Recent Music Playlists** – If any music has been recently added to a music playlist, the last few selected playlists may be displayed for faster repeated selection of those playlists.
- tv **Add To Playlist...** – Displays a list of music playlists that the songs may be added to.
- tv **Select opens group options dialog, Info browses group** – Selecting this option for a group of songs toggles whether the **Select** command or the **Info** command opens the dialog when a group is highlighted and the other is used to browse into a highlighted group. **Note:** This setting can also be configured via the **For grouped items: Select opens options dialog, Info browses into group** option in **Detailed Setup: Customize Settings**.
- tv **Close** – Closes the options dialog without performing any action.

## Music Playlist Options

The first playlist list entry is **Add New Playlist**. **Select** this item to jump to the **Create Playlist** screen.

The second playlist list entry is **Play All Songs**. **Select** this item to play all the songs in the entire music collection. A dialog will open with options for how to play the entire collection. The default option depends on the current shuffle and repeat playback settings. Use the **Play** command as a shortcut to play all songs with the current default option:

- tv **Randomly play all songs** – Plays all songs in random order. This is the default option when shuffled playback is enabled.
- tv **Play in order: start from the first song** – Plays all songs starting with the first song in the collection and continuing in order. This is the default option when shuffle playback is disabled and repeat playback is disabled.

- tv **Play in order: start from a random album** – Plays all songs starting with a random album in the collection and continuing in order. This is the default option when shuffle playback is disabled and repeat playback is enabled.

When the **Select** command is used on any other playlist entry, a pop-up dialog containing all of the available actions that may be performed will appear. As with other such dialogs, the actions in this dialog are dynamically added or removed, depending on what may be done at that moment.

The possible actions for each music playlist are listed below.

- tv **Add to Now Playing Queue** – Add the playlist to the **Now Playing** playlist, when it is currently playing. **Note:** Not available for the **Now Playing** playlist.
- tv **Play Now** – Play the playlist without adding it to the **Now Playing** playlist.
- tv **Rename this Playlist** – Rename the current playlist, using the [Create Playlist](#) screen. The **Now Playing** playlist will have an option to **Copy to a New Playlist** instead, since it cannot be renamed.
- tv **Clear this Playlist** – Allows for the deletion of the playlist, or for removing all of its segments. **Notes:** The **Now Playing** playlist may not be deleted, nor may a playlist be deleted or cleared while it is playing.
- tv **View Visualizations** – Go to the music visualization on the [Music Playback](#) screen. **Note:** Only available when music is playing.
- tv **List of Recent Music Playlists** – If any music has been recently added to a music playlist, the last few selected playlists may be displayed for faster repeated selection of those playlists. Not available for the **Now Playing** playlist.
- tv **Add To Playlist...** – Displays a list of music playlists that the playlist may be added to. Not available for the **Now Playing** playlist.
- tv **Close** – Closes the options dialog without performing any action.

## Music Playlist Segment Options

When highlighting a playlist, the playlist's segments will be displayed on the right side of the screen. While highlighting a segment, you may use the **Right** arrow to change the order of the segments in the playlist, or use the **Select** command to see a list of actions that may be performed.

## Change the segment order

While a segment is highlighted, use the **Right** arrow, or click on the ► icon, to change the segment's position in the playlist. When the segment reorder mode is entered, the highlighted segment will change its display to include additional icons. While in reorder mode, you may do the following:

- tv Use the **Left** arrow, or click on the ◀ icon, to **exit reorder mode**.
- tv Use the **Up** arrow, or click on the ▲ icon, to move the segment up in the list, to a lower numbered position. This option may not be available if the segment is in the #1 position, or if the segment before it is currently playing.
- tv Use the **Down** arrow, or click on the ▼ icon, to move the segment down in the list, to a higher numbered position. This option may not be available if the segment is in the last position.

**Note:** Re-order mode may not be available for the currently playing segment or those before it in the list.

## Segment Options

When the **Select** command is used on a playlist segment, a pop-up dialog containing all of the available actions that may be performed will appear:

- tv **Convert Segment** – Allows converting a multi-song segment into its individual components. Example: An album segment could be converted so that all of its individual songs are playlists segments instead of the whole album being one segment.
- tv **View Segment Detail** – Allows viewing or browsing the detailed information for the current segment.
- tv **Delete this segment** – Removes the current segment from the playlist.
- tv **Play this Segment Now** – If the playlist is already playing, this choice allows jumping playback to the current segment.
- tv **Play this playlist here** – If the playlist is not currently playing, starts playback of the playlist at the current segment.
- tv **Cancel** – Closes the options dialog without performing any action.

## Album Thumbnails

SageTV can load thumbnail images to represent albums. For each album, SageTV will look for its accompanying thumbnail image by checking for album art associated with the songs on the album. The thumbnails are considered to be album art, not song art, so the first song on the album that is found to have art will have its art used for every song on the album. The images may be associated with the album in one of three ways; they may be: 1) embedded in the MP3 files; 2) stored as a separate file with the same song file name, but with an extension of .gif, .png, .jpg, .jpeg, or .jpe.; or 3) stored as a separate file in the same location as the music file, named **folder.jpg** (or .gif, .png, .jpeg, or .jpe).

Remember that thumbnail image files are also imported into the [Photo Browser](#), if a parent directory of the file's location is also configured to import pictures. To prevent this, you could set the Import Library Directory to only import Music files (see [Media Center Import Directories](#), in [Detailed Setup: General Settings](#)), or you could set each image file's "Hidden" attribute. (Right click on the image file in Windows Explorer, select Properties, then check the box next to Hidden.)

## Song Detail

The **Song Detail** screen displays the full information for an imported music file.

Details for the imported song are shown on the left side of the screen. The data may fill more than the space on a single screen. If so, you will be able to scroll down to see the rest of the information.

A thumbnail may be displayed in the lower right corner, if there is one. If video is displayed in a window on menus, the video may be shown in the upper right corner.

Use the **Select** command (Enter key) to display the list of possible actions to perform for the song; see the **Music Browser Song Options** dialog for details.

Use the **Back** command or the **Left** arrow to return to the previous menu.

Using the **Options** command will display the **Video Menu Options** dialog, which is the regular Options menu found on most screens. See its full explanation for details.

## Create Playlist

On the Create Playlist menu, enter the name of a new playlist, then **Select Done** to when you are finished.

Use the characters or number in the middle of the screen to enter text. You can also simply type using the keyboard, or text may be entered from a remote's number pad via **Numeric Text Input**. Use **Back** to return to the previous menu, **Erase** to clear the last character entered (or use Backspace on the keyboard, or the **Stop** command on a remote), and **Clear** to clear the entire entry field.

## Photo Browser

The **Photo Browser** lists all imported pictures that SageTV finds in the [Media Center Import Directories](#), as defined in [Detailed Setup: General Settings](#). Pictures found in subdirectories under the import directories are listed in subfolders in the **Photo Browser**. Its parent menu is the [Main Menu](#).

**Note:** SageTV can import and display JPEG, GIF, PNG, and TIFF files.

### Photo Browser Layout

The layout of the **Photo Browser** is very similar to the [Music Browser](#), except that photos are browsed using only the Folder View. Across the top of the screen, the current folder is displayed.

### Photo Browser Usage

When first entering the browser, the root picture import folders are displayed. From there, you may use [Select](#), [Info](#), or [Right](#) to browse into a folder. Once in a subfolder, use [Left](#) or [Back](#) to return to the subfolder's parent folder. If you leave the Photo Browser, it will remember the last folder viewed when you return.

While a picture is highlighted:

- tv Use [Select](#), [Right](#), or [Play](#) to view the individual picture on the [Picture Viewing](#) screen.  
**Tip:** While viewing a single image, if there are other images in the same folder, you may scroll through them without having to return to the browser in between, or use [Play](#) while viewing the image to start slideshow viewing mode.
- tv Use [Info](#) to view some detailed information about the picture.

**Tip:** To quickly jump to an item in a list, enter the letter or number that it starts with.

### Photo Browser Options

Use the [Options](#) command to display the various options available on this menu. The options list can be exited by using the [Options](#) command again or via the [Left](#) arrow. The choices are:

- tv **Slideshow** – View a slideshow of all the imported photos, just the photos in the current folder, or all photos in the current folder and its subfolders. The option to play the slideshow in random order may be changed before starting the slideshow. The images will be shown on the [Picture Viewing](#) screen.

- tv **Slideshow Options** – Display the pop-up Photo Browser Slideshow Options dialog, where the various options for slideshows can be set.
- tv **Menu Options** – Display the pop-up Photo Browser Menu Options dialog.
- tv **Sort: <Sort Style>**) – Indicates the current sort mode style. **Select** to switch to the next sorting style.
  - o **Up/Down by Filename** – Sort the photos by their filenames, in either ascending or descending order.
  - o **Up/Down by Date** – Sort the photos by their file dates, in either ascending or descending order.
- tv **Search** – Go to the consolidated [Search](#) menu, with the search style starting with the photo search style.
- tv **SageTV Recordings** – Jump to the [SageTV Recordings](#) menu, at the last-used view.
- tv **Imported Videos** – Go to the [Video Browser](#).
- tv **Imported Music** – Go to the [Music Browser](#).

## Photo Browser Menu Options

The Photo Browser Menu Options dialog is used to configure additional options for the menu. The options are:

- tv Customize the photo browser by adjusting the number of rows and columns displayed, the size of the font used, or the number of picture thumbnails shown on each row when the display uses only a single column.
- tv Choose whether to list each photo import folder separately, or combine all photo import folders into a single folder tree.
- tv Choose whether to autorotate JPEG images when they are displayed.
- tv **Generate Photo Thumbnails** – Forces SageTV to create thumbnails for all imported images. SageTV will automatically create the thumbnails as they are needed; however, by using this option to tell SageTV to create all the thumbnails, they won't need to be created as you browse through your images. Creating the thumbnails now will take some time, but the benefit will be fewer delays as you browse your pictures later.

- tv Open the **Advanced Options** dialog, which has options for:
  - o **Configure Media Center Import Directories** – Jumps to the Configuration Wizard step for editing the [Media Center Import Directories](#).
  - o **Refresh Imported Media** – Causes SageTV to check all import directories to refresh its list of imported media files.
- tv Set the [Video Menu Options](#).
- tv Close the dialog.

## Photo Browser Slideshow Options

Selecting the **Slideshow Options** item from [Photo Browser Options](#) displays a pop-up menu of all the configurable slideshow options:

- tv **Enlarge Pictures to Fill the Screen** – Choose whether SageTV should enlarge pictures that are smaller than the display area so that they fill the screen. Enlarged pictures will still retain their original shape, so they will not look stretched more in one direction than another.
- tv **Automatically Advance Slideshow** – This is a toggle option between **Yes** and **No**, determining whether the slideshow will advance to the next image on its own or if input is needed. See [Picture Viewing](#) for commands to manually advance the slideshow. **Note:** When the slideshow is active as the screen saver, the slideshow will automatically advance regardless of this setting.
- tv **Slide Duration** – The number of seconds SageTV will pause before automatically continuing to the next image, if the above option is set to **Yes**. Enter a time value and press Enter. Use the **Options** command (Ctrl+O, Escape, right-click) to cancel this dialog without changing the current time setting.
- tv **When Slideshow is Finished** – Tells SageTV what to do when the slideshow is done. Another pop-up menu will appear with the possible choices: **Go to Picture Library**, or **Restart Slideshow**. Choose **Do Nothing** or use the **Options** command to keep your current setting. **Note:** When the slideshow is active as the screen saver, the slideshow will restart after displaying the last image.
- tv **Slideshow Transitions** – Toggles between **None**, **Fade**, and **Pan/Zoom/Fade**.
- tv **Slideshow Transition Duration** – Sets the transition duration time. Enter the number of seconds to use for the duration.
- tv **Done** – Close the slideshow options dialog.

## Video Browser

The **Video Browser** lists all imported videos that SageTV finds in the [Media Center Import Directories](#), as defined in [Detailed Setup: General Settings](#). Its parent menu is the [Main Menu](#).

**Note:** SageTV can import and play several different video file formats and codec types. See Chapter 4's list of [Supported Media Types](#).

### Video Browser Layout and Usage

The layout of the **Video Browser** is very similar to the [Music Browser](#), presenting your imported videos according to the View currently chosen.

On the left side of the screen is a list of all the video choices. Use the arrow keys to highlight an item in a list, then **Select** a list entry for all available functions that can be performed on that video or group of videos. See the [Airing and Video Options Dialog](#) and [Grouped Airings and Videos Options Dialog](#) for details. See [Video Playlist Options](#) for options available in the Playlist view.

**Tips:** 1) Use the **Info** command to view [Video Detail](#) for a video or to browse a group of videos.  
2) To quickly jump to an item in a list, enter the letter or number that it starts with.

When an item on the left is highlighted, information about that video or the group of videos will be displayed on the right.

In addition to browsing your imported videos, the video browser screen also contains Views that allow you to see all the video playlists and browse the video files by folder or by category

### Video Browser Views

The Video Browser menu is configured with five views. Use the **Options** command to change the current view. See [Video Browser Options](#), below. The viewing styles are:

- tv **Titles** – Lists all the imported videos that are not DVD or BD, sorted by title.
- tv **DVDs/BDs** – Lists all the imported DVDs and BDs, sorted by title. For information regarding importing DVDs and BDs stored on your hard drive, see [Appendix I: Playing DVDs and BDs from the Hard Drive](#).
- tv **Categories** – Lists all the imported videos, grouped by category. A video will be listed in each of its assigned categories, so if it has more than one category assigned to it, it will be listed in multiple categories.

- tv **Playlists** – Lists and manages all the video playlists.
- tv **Folders** – Browse your video files by the video import folders where the files can be found on your hard drive.

**Tip:** Use the **Smooth FF**, **Skip Fwd #2**, **Smooth Rew**, or **Skip Bkwd #2** commands to jump to the next or previous view.

## Video Browser Options

Use the **Options** command to display the various options available on this menu. The options list can be exited by using the **Options** command again or via the **Left** arrow. The choices are:

- tv **Views** – The available viewing styles are listed below the **Views** title. The current view is highlighted. Select any view to switch to that viewing style.
- tv **Menu Options** – Display the **Video Browser Menu Options** dialog.
- tv **Mode: <Playback Style>** – Indicates the current playback mode style for a video playlist. **Select** to toggle between the four playback modes for video playlists:
  - o **Normal Playback** – Play all videos in order a single time.
  - o **Repeat** – Play all videos in order; repeat when all videos have been played.
  - o **Repeat + Shuffle** – Play all videos in random order; repeat when all videos have been played.
  - o **Shuffle** – Play all videos in random order a single time.
- tv **Search** – Go to the consolidated **Search** menu, with the search style starting with the last used video search style.
- tv **SageTV Recordings** – Go to the **SageTV Recordings** menu.
- tv **Imported Music** – Go to the **Music Browser**.
- tv **Imported Photos** – Go to the **Photo Browser**.

## Video Browser Menu Options

The Video Browser Menu Options dialog is used to configure additional options for the menu. The options are:

- tv Customize the video browser by adjusting the number of rows and columns displayed, the size of the font used, or the number of video thumbnails shown on each row when the display uses only a single column. **Note:** Not all views can display multiple columns.

- tv For the **Folder** view, choose whether to list each video import folder separately, or combine all video import folders into a single folder tree.
- tv Enable or disable **Shuffle Playback** for video playlist playback.
- tv Enable or disable **Repeat Playback** for video playlist playback.
- tv Open the **Advanced Options** dialog, which has options for:
  - o **Configure Media Center Import Directories** – Jumps to the Configuration Wizard step for editing the [Media Center Import Directories](#).
  - o **Refresh Imported Media** – Causes SageTV to check all import directories to refresh its list of imported media files.
  - o Choose whether recorded files found by SageTV in video import directories should be considered to be recordings or imported videos. Imported video will be displayed on this menu, while recordings will be listed on the [SageTV Recordings](#) menu.
  - o Choose whether to **Allow Video Deletion** while using the video browser. You may want to disable the file deletion option in order to prevent accidentally deleting imported videos.
- tv Set the [Video Menu Options](#).
- tv Close the dialog.

### Note about the “Now Playing” Playlist for Videos

**Special Note:** Videos may optionally be played using the temporary **Now Playing** playlist. While the content of most playlists is shared with all SageTV clients that connect to your SageTV server, the content of this special playlist is limited to each individual client and will be reset as needed or when SageTV restarts.

Other playlists may be played individually or as part of the Now Playing playlist, but the Now Playing playlist may not be added to other playlists.

### Video Browser Video Options

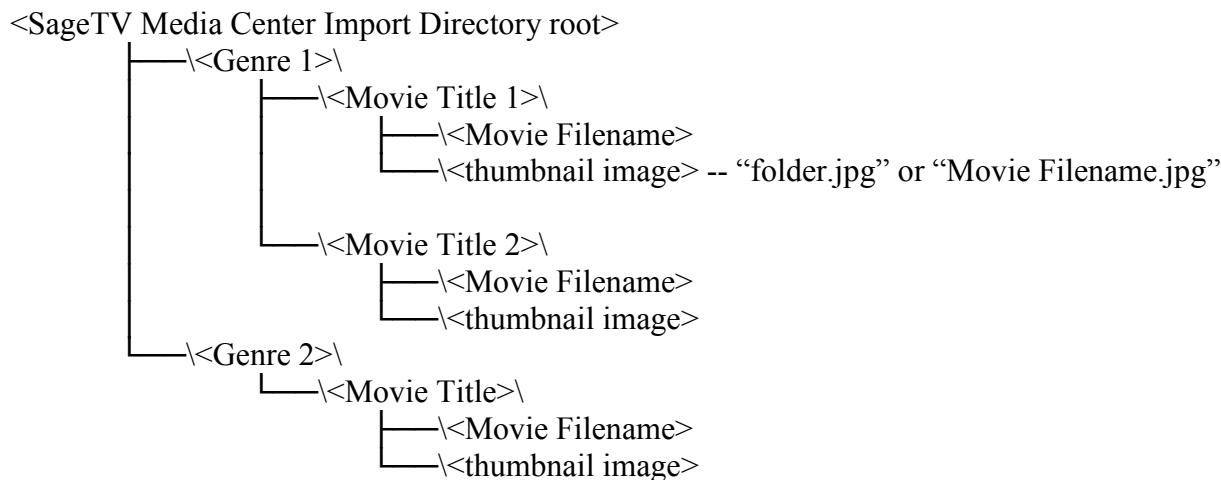
When the the **Select** command is used on an imported video, a pop-up dialog containing all of the available actions that may be performed will appear. See the [Airing and Video Options Dialog](#) for details.

## Video Browser Folder Options

While using the Folder view and the **Select** command is used on a subfolder that contains videos, not just more subfolders, a pop-up dialog containing all of the available actions that may be performed will appear if the options dialog for a single video is set to Advanced mode. See the [Grouped Airings and Videos Options Dialog](#) for details.

If the folder contains no videos or 1 video, the **Select** command will automatically browse into that folder. To return to the subfolder's parent, use the **Back** command, or **Left** arrow.

You may organize your imported videos into any folder layout you wish, but if you wish to more effectively browse by folder, a useful style might be something like this:



## Video Playlist Options

The first playlist list entry is **Add New Playlist**. **Select** this item to jump to the [Create Playlist](#) screen.

When the **Select** command is used on any other playlist entry, a pop-up dialog containing all of the available actions that may be performed will appear. As with other such dialogs, the actions in this dialog are dynamically added or removed, depending on what may be done at that moment.

The possible actions for each video playlist are listed below.

- tv **Play Now** – Play the playlist and proceed to the [Video Playback](#) or [DVD Playback](#) display, depending on the type of video.
- tv **Rename this Playlist** – Rename the current playlist, using the [Create Playlist](#) screen. The **Now Playing** playlist will have an option to **Copy to a New Playlist** instead, since it cannot be renamed.

- tv **Clear this Playlist** – Allows for the deletion of the playlist, or for removing all of its segments. **Notes:** The **Now Playing** playlist may not be deleted, nor may a playlist be deleted or cleared while it is playing.
- tv **List of Recent Video Playlists** – If any video has been recently added to a video playlist, the last few selected playlists may be displayed for faster repeated selection of those playlists. Not available for the **Now Playing** playlist.
- tv **Add To Playlist...** – Displays a list of video playlists that the playlist may be added to. Not available for the **Now Playing** playlist.
- tv **Close** – Closes the options dialog without performing any action.

## Video Playlist Segment Options

When highlighting a playlist, the playlist's segments will be displayed on the right side of the screen. While highlighting a segment, you may use the **Right** arrow to change the order of the segments in the playlist, or use the **Select** command to see a list of actions that may be performed.

### Change the segment order

While a segment is highlighted, use the **Right** arrow, or click on the ► icon, to change the segment's position in the playlist. When the segment reorder mode is entered, the highlighted segment will change its display to include additional icons. While in reorder mode, you may do the following:

- tv Use the **Left** arrow, or click on the ◀ icon, to **exit reorder mode**.
- tv Use the **Up** arrow, or click on the ▲ icon, to move the segment up in the list, to a lower numbered position. This option may not be available if the segment is in the #1 position, or if the segment before it is currently playing.
- tv Use the **Down** arrow, or click on the ▼ icon, to move the segment down in the list, to a higher numbered position. This option may not be available if the segment is in the last position.

**Note:** Re-order mode may not be available for the currently playing segment or those before it in the list.

### Segment Options

When the **Select** command is used on a playlist segment, a pop-up dialog containing all of the available actions that may be performed will appear:

- tv **Convert Segment** – Allows converting a multi-video segment into its individual components. Example: A video playlist segment could be converted so that all of its individual videos are playlists segments instead of the whole playlist being one segment.
- tv **View Segment Detail** – Allows viewing or browsing the detailed information for the current segment.
- tv **Delete this segment** – Removes the current segment from the playlist.
- tv **Play this Segment Now** – If the playlist is already playing, this choice allows jumping playback to the current segment.
- tv **Play this playlist here** – If the playlist is not currently playing, starts playback of the playlist at the current segment.
- tv **Cancel** – Closes the options dialog without performing any action.

## Video Thumbnails

SageTV can load a thumbnail image to represent each imported video. For each imported video, SageTV will look for its accompanying thumbnail image by checking for a file with the same name, but with an extension of .gif, .png, .jpg, .jpeg, or .jpe. If there is no such matching image file, SageTV will check the video file's location for an image file named **folder.jpg** (or .gif, .png, .jpeg, or .jpe) to use as its thumbnail. A few things to keep in mind:

- tv If multiple videos in the same directory have no matching thumbnail file (same filename with different extension), the **folder.jpg** thumbnail (if one is found) will be used for each video.
- tv Only videos use thumbnails. In the above folder layout, “Genre 1” will be displayed in the **Video Library** as a folder icon containing “2 items”. (This is also visible in the screen captures previously shown.) Thus, thumbnails found in a directory containing no videos are not used in the **Video Library**.
- tv Thumbnails for DVDs stored on the hard drive can be placed in same location as the VIDEO\_TS directory, inside the VIDEO\_TS directory, or named the same as the DVD title + picture extension in the same location as the DVD's title-named directory. (see: [Appendix I: Playing DVDs and BDs from the Hard Drive](#))
- tv Thumbnails for BDs stored on the hard drive can be placed in the same location as the BDMV directory, inside the BDMV directory, named the same as the BD title + picture extension in the same location as the BD's title-named directory, or may be automatically determined from the BD's metadata if its optional BDMV\META directory contains a

thumbnail as part of its metadata. (see: [Appendix I: Playing DVDs and BDs from the Hard Drive](#))

- tvThumbnail images are also imported into the [Photo Browser](#), if a parent directory of the file's location is also configured to import pictures. To prevent this, you could set the Import Library Directory to only import Video files (see [Media Center Import Directories](#), in [Detailed Setup: General Settings](#)), or you could set each image file's "Hidden" attribute. (Right click on the image file in Windows Explorer, select Properties, then check the box next to Hidden.)
- tv If no thumbnail file is found for an imported video, SageTV will attempt to create a thumbnail from the video's content, if possible.

## Video Detail

The **Video Detail** screen displays the full information for an imported video.

Details for the imported video are shown on the left side of the screen. The data may fill more than the space on a single screen. If so, you will be able to scroll down to see the rest of the information.

A thumbnail may be displayed in the lower right corner, if there is one. If video is displayed in a window on menus, the video may be shown in the upper right corner.

Use the **Select** command (Enter key) to display the list of possible actions to perform for the song; see the [Airing and Video Options Dialog](#) for details.

Use the **Back** command or the **Left** arrow to return to the previous menu.

Using the **Options** command will display the [Video Menu Options](#) dialog, which is the regular Options menu found on most screens. See its full explanation for details.

## File Browser

The **File Browser** lists all browsable file systems and media paths that SageTV has access to. Its parent menu is the [Main Menu](#).

### File Browser Layout and Usage

The layout of the **File Browser** presents the browsable file system choices or currently-browsed file system. At the bottom of the screen is text showing brief help for the currently highlighted item on the screen.

Also at the bottom of the screen is an area where information on the currently playing media is displayed. While music is playing, you may use the standard transport control commands to play, pause, FF, REW, etc., or use the mouse to click on the transport icons. When no media is playing, the browser area expands to fill this space.

When first entering the **File Browser**, a list of browsable file systems or media paths is displayed. Select the files to browse by using the **Right** arrow or **Select** command. The display will then change to show the files and folders for the selected file system type. Continue using Right or Select to browse further into folders or to select files for available options to perform on those files. See [File Browser File Options](#).

Some folders also have actions that can be performed on them – use the **Info** command to open the options dialog for folders. See [File Browser Folder Options](#).

To browse up the folder level, use the **Left** arrow or the **Back** command.

**Tip:** Use the **Skip Fwd #2** and **Smooth FF**, or the **Skip Bkwd #2** and **Smooth Rew** commands, to switch to the next/prev file system type without returning to the list of available file systems.

### File Browser Options

Use the **Options** command to display the various options available on this menu. The options list can be exited by using the **Options** command again or via the **Left** arrow. The choices are:

- tv **Menu Options** – Display the pop-up [File Browser Menu Options](#) dialog.
- tv **Choose File System** – Return to the list of available file systems to browse. This option is available only when browsing a file system.
- tv **Refresh Folders** – Refresh the currently displayed file system or folder information.
- tv **Sort by: <Sort Style>** – Rotate through the available file sorting styles of by file name, size, date, or type. This option is available only when browsing a file system.

- **Sort Direction** – Toggle between sorting in ascending or descending order. This option is available only when browsing a file system.
- **Hidden Files: <Setting>** – Toggles whether hidden files are shown. Files marked as hidden by an operating system are normally not visible in a file browser. This option is available only when browsing a file system.
- **Enter Network Path** – Allows entering a specific path to browse. This option is available only when browsing a network file system.
- **SageTV Recordings** – Go to the [SageTV Recordings](#) menu.
- **Imported Videos** – Go to the [Video Browser](#).
- **Imported Music** – Go to the [Music Browser](#).
- **Imported Photos** – Go to the [Photo Browser](#).
- **Search** – Go to the consolidated [Search](#) menu, with the search style starting with the last used search style.

## File Browser Menu Options

The File Menu Options dialog is used to configure additional options for the menu. The options are:

- **Number of Rows** – Configure the number of rows of files and folders that are displayed.
- **Font Size** – Configure the maximum font size used for the file and folder display.
- **Clients Can Browse All File Types** – (SageTV server only) Configures whether clients will be allowed to browse all file types or only media files.
- **File Types Shown in Browser** – Toggles between displaying all file types or only media files, if the client is allowed to choose.
- **Allow File Deletion** – Toggles whether files can be deleted while using the file browser.
- **Video Menu Options** – Accesses the standard [Video Menu Options](#) dialog.
- **Close** – Close the options dialog.

## File Browser File Options

When the the **Select** command is used on a file, a pop-up dialog containing all of the available actions that may be performed will appear.

The actions in this dialog are dynamically added or removed, depending on what may be done at that moment. The possible actions are listed below. **Note:** If the only available option for a file is playing it, selecting the file will cause SageTV to try to play it.

- tv **Copy this file** – Allows copying the file to various destinations.
- tv **Play this file** – Play the file, if possible. Use the **Play** command as a shortcut for this option.
- tv **View more options** – For imported media files or recorded TV shows, this option allows access to the full pop-up dialog with additional actions to perform on the media file. Use the **Info** command as a shortcut for this option.
- tv **Delete this file** – Delete the file, if possible. Use the **Delete** command as a shortcut for this option. **Note:** File deletion may be turned off in the **File Browser Menu Options** dialog.
- tv **Close** – Close the options dialog.

## File Browser Folder Options

When the the **Info** command is used on a folder, a pop-up dialog containing the following options will be shown, when any of the options are available for the highlighted folder:

- tv **Copy this folder** – Allows copying all the files in the folder to various destinations.
- tv **Modify/Remove this Import Directory** – If the highlighted directory is a root import path, the types of files imported from that path can be modified or the import path can be removed. These options are only available for root import paths, not folders that happen to be subfolders of an import path.
- tv **Add as a new Import Directory** – If the folder is not already an import path, but it could be, this option to add it as an import directory will be available.
- tv **Modify/Remove this Recording Directory** – If the highlighted directory is a recording path, the options for the recording path can be modified or the recording path can be removed.
- tv **Add as a new Recording Directory** – If the folder is not already a recording path, but it could be, this option to add it as a recording directory will be available.
- tv **Close** – Close the options dialog.

## Video Conversions

The **Video Conversions** screen displays the status of all recent video conversion jobs. Its parent menu is the [Main Menu](#).

The video currently being converted is shown first in the list, along with its percent complete status. The videos waiting to be converted are listed next, in the order they will be converted. Finally, all the previously converted videos are listed.

Highlight a video, then use the **Right** arrow to view its [Recording Detail](#).

Select a video in the list for a pop-up dialog containing a list of actions that may be performed, depending on the status of the video and its conversion process. Those options may be:

- tv **Play Original Video or Recording** – Start playback of the original imported video or SageTV recording. Available if the original video still exists.
- tv **Play Converted Video** – Start playback of the converted video. Available if the conversion has completed and the converted video still exists.
- tv **Cancel this conversion** – If the conversion process has not yet completed, this option will cancel the conversion process.
- tv **Clear this completed conversion** – If the conversion process has completed, this option will clear this item from the list.
- tv **Clear all completed conversions** – Clear all completed conversions from the list.
- tv **Close** – Closes the options dialog without performing any action.

Using the **Options** command will display the [Video Menu Options](#), which is the regular Options menu found on most screens. See its full explanation for details.

## New Drive Detected

When SageTV detects a new drive, such as when a Compact Flash card is inserted into a card reader, an options menu will appear, asking what should be done:

- tv **Copy Media from <drive>** – For this 2-step process: 1) A file browser will be shown. Either select an individual file to be copied or choose Copy All Files in order to copy all the files in a directory. 2) Then, another file browser will be shown, where you can choose which Media Center Import Directory should be used as the file copy destination. The files will then be copied from the new drive to the selected import library location.
- tv **Copy Media to <drive>** – A file browser will be shown, where you can choose file(s) from a Media Center Import Directory, which will then be copied to the drive shown.
- tv **Play Media from <drive>** – A file browser will be shown, where you can choose a media file to be played from the drive shown.
- tv **Close – Do nothing at this time** – Closes the pop-up menu and does nothing else. The **Options** command could also be used to close this pop-up menu.

**Note:** You may choose whether to enable this pop-up dialog via the [Display pop-up when a new drive detected](#) option in [Detailed Setup: Customize Settings](#).

## Record Command Options Dialog

When the [Use expanded options for the Record command](#) option is **enabled** in [Detailed Setup: Customize Settings](#), use of the **Record** command will cause a pop-up options menu appear with various record options for the highlighted show. Depending on the state of the highlighted show, the following options may be available:

- tv **Record this show** – Available if the show is not already a scheduled Manual Recording, this choice causes the show to be added to the recording schedule as a Manual Recording. If the airing is a Favorite with padding, then a dialog will be shown, asking whether the Manual Recording should inherit the Favorite's padding times. **Note:** If you schedule a manual recording, SageTV will automatically check to see if it conflicts with any other manual recordings. If it does, you will be shown a conflict notification dialog with the following options:
  - o **Don't do anything** – Ignore the new recording choice and keep the currently scheduled manual recording instead.
  - o **Record my new selection** – Cancel the other manual recording and schedule the new selection instead.
- tv **Record one of N future airings** – If additional future airings of the show are available, selecting this option will display a list of all those future airings. Choose the future airing you wish to record, or choose Cancel to record none of them. **Note:** The additional future airings are matches by comparing the ShowID values so that only the same episodes of a series are displayed. i.e.: the future airings listed here should all be the same show.
- tv **Cancel this Recording** – Available if the show is already a scheduled Manual Recording, this choice causes the scheduled recording to be cancelled. **Note:** If the show is also a Favorite, it will first be removed from the schedule when its Manual Recording status is cleared. Then, when the recording schedule is recalculated, it is possible that the airing may be re-added to the schedule as a scheduled Favorite recording.
- tv **Adjust Recording Options** – Available if the show is already a scheduled Manual Recording, this choice causes the [Record Options](#) (below) for Manual Recordings to be shown, where you can change some settings for the recording.
- tv **Add Manual Recording status for this show** – Available if the show is already fully recorded and it is not a Manual Recording, this choice will mark the show as a Manual Recording. (SageTV will not automatically delete such recordings.)
- tv **Remove Manual Recording status for this show** – Available if the show is already fully recorded and it is already a Manual Recording, this choice will tell SageTV that the show is no longer a Manual Recording.

- tv **Add this show as a Favorite** – Available if the show is not already a Favorite, this choice causes the show to be added as a new title-based Favorite. (For more information about Favorites, see [Creating a Favorite](#).) After the Favorite has been added, you will proceed to the [Favorite Details](#) menu, where the Favorite's options can be set.
- tv **Remove this Favorite** – Available if the show is already a Favorite, this choice causes SageTV to confirm whether you wish to remove the Favorite associated with this show.
- tv **Adjust Favorite Options** – Available if the show is already a Favorite, this choice sends you to the [Favorite Details](#) menu, where the Favorite's options can be set.

Using the **Record** command again while this dialog is open will automatically select **Record this show** or **Cancel this Recording**, depending on circumstances. Similarly, using the **Favorite** command while the dialog is open will automatically select **Add this show as a Favorite** or **Remove this Favorite**, depending on whether the show is already a Favorite or not.

### Adjust Recording Options for Manual Recordings

For current or future airings that have been marked as Manual Recordings, a pop-up recording options menu is displayed.

- tv **Close** – Close the pop-up options list without making any changes.
- tv **Cancel Recording** – Clears the Manual Recording setting for this show. It may still be recorded if it is a Favorite.
- tv **Adjust Start Time** – For shows that have not yet started recording, this allows the recording's start time to be adjusted. A pop-up menu will be shown; see details below.
- tv **Adjust Stop Time** – Allows adjusting a scheduled or current recording's stop time. A pop-up menu will be shown; see details below.

#### Adjusting the Start and Stop Times:

When adjusting the start or stop time for a manual recording, pop-up dialogs are displayed. Use the **Left** and **Right** arrow commands, or left-click on the and icons, to adjust the time by a single minute at a time. Use the **Page Left** (Ctrl+A) and **Page Right** (Ctrl+F) commands, or left-click on the and icons, to adjust the time by 15 minutes at a time. When done, use the **Select** command (Enter), or left-click on the time, to accept the changes and close the dialog.

- tv **Change Recording Quality** – Allows adjusting a scheduled recording's quality setting to be changed. A pop-up menu of recording quality choices will be shown. **Note:** SageTV supports the use of multiple capture devices using multiple recording formats, such as

MPEG2 and MPEG4/DivX. If the recording quality is set to one that is not available to all capture devices, a Manual Recording will be limited to recording only on those devices that can use the specified recording quality.

## Online Services

The **Online Services** menu contains links to other menus providing information or services from online sources. Its parent menu is the [Main Menu](#).

**Weather** – Go to the [Weather](#) menu, where you can view the current conditions and 5-day forecast for your local area. **Note:** If you have not yet done so, you will first be asked to configure your weather report location; see [Step G16: Weather Report Configuration](#). Once your location is configured, you will proceed to the [Weather](#) menu.

**YouTube Video** – Go to the [YouTube Video](#) menu, where you can select to see lists of YouTube Videos from various categories, and play the videos within SageTV. **Note:** The availability of and access to the YouTube Video menu is controlled by the [Online Video Access](#) option in [Detailed Setup: Customize Settings](#).

**Google Video** – Go to the [Google Video](#) menu, where you can select to see lists of Google Videos from various categories, and play the videos within SageTV. **Note:** The availability of and access to the Google Video menu is controlled by the [Online Video Access](#) option in [Detailed Setup: Customize Settings](#).

**Channel.com Web Shows** – Go to the Channel.com Web Shows menu, where you can view Channel.com's categorized dynamic feeds listing a collection of the best shows on the web.

**Additional Online Video Categories** – Various additional categories of online video content are listed. Choose a category for a list of online sources, then choose a source in order to view a list of videos from that source. **Note:** Some online “video” feeds provide audio-only content. The screen listing the downloadable content will place an audio symbol in the upper right corner of the audio-only items.

**Back to Main Menu** – Return to the [Main Menu](#).

**Tip:** Fully downloaded online video and audio-only files may be saved from the [Video Playback](#) or [Music Playback](#) screen by using the [Record](#) command or the [Save Downloaded File](#) option in the pop-up options dialog during playback. The files will become imported media, available for playback from the [Video Browser](#) or [Music Browser](#).

**Note:** Once per day, SageTV will check for an update for the online video definition files that are used to define the online media available on this menu. The check is performed after returning to the [Main Menu](#). The [System Information](#) screen contains a line for the ‘Online Videos version’. See the [Automatic Update Checks](#) set of options.

## Weather

The **Weather** menu contains an overview of the current conditions at your chosen location, along with a short term forecast for the next couple days. The choices on this menu include:

**Options** – The same as using the **Options** command, this button presents a pop-up menu where you can choose **Change the Weather Configuration** (see [Step G16: Weather Report Configuration](#)) or **Video Menu Options** (see the regular [Video Menu Options](#) menu). You may also choose **Close** to exit the menu.

**5-Day Forecast** – Go to the [5-Day Forecast](#) menu, where you can see an overview of your entire local 5-day forecast.

**Back to Main Menu or Online Services** – Return to the [Main Menu](#) or [Online Services](#) menu, depending on which menu was visited before viewing this menu.

### Short Term Forecast

The short term forecast area contains an overview of the forecast for either Today, Tonight, and the next day, or Tonight and the next two days. Around mid-afternoon, the forecast for “Today” is no longer shown.

Select one of the forecast entries to see the detailed forecast for that day, as shown below.

### Forecast Details

After selecting a forecast overview button, the detailed forecast for that day and night will be shown. **Note:** For the current day, the details for “Today” are no longer shown after mid-afternoon.

While viewing the forecast details, Select one of the following buttons:

- tv **< Day** – Show the forecast details for day prior to the currently displayed day.
- tv **Day >** – Show the forecast details for day after to the currently displayed day.
- tv **Close** – Close the pop-up forecast details dialog.

**Tip:** You may use the available buttons to change which day’s forecast details are described above. Additionally, you may simply use the Up/Down and Page Up/Down commands to change which day’s forecast is shown.

## 5-Day Forecast

The **5-Day Forecast** menu contains an overview the entire 5-day forecast for your location.

Select one of the forecast entries to see the **Forecast Details** for that day.

To return to the **Weather** menu, use the **Left** arrow or the **Back** command.

## YouTube Video

The **YouTube Video** menu allows access to online videos from YouTube, listing them for playback with SageTV. Its parent menu is the [Main Menu](#) or [Online Services](#) menu.

This menu displays selected categories of YouTube Videos. Choose an item from the menu to view a list of available videos from that category on the next screen: [YouTube Video Search Results](#), below.

The **Search** item allows you to search for specific videos you may wish to view by specifying the keywords or the user for the YouTube Video search. **Note:** The search results initially displayed will be for the last YouTube search type selected: keyword or user.

Use the **Back** menu item to return to the [Online Services](#) menu.

## YouTube Video Search Results

The list of available videos is shown on the screen. Each video will display its description and thumbnail when available. Use the **Play** or **Select** commands to play the highlighted video. After a short delay to begin downloading the video, playback will begin on the [Video Playback](#) display. When the video ends, you will return either to the [YouTube Video Search Results](#) or to the [YouTube Video](#) menu.

The category bar above the video list contains other video categories, for easy access to some other categories without having to return to the main YouTube Video menu. Simply select a category to download and view its list of videos. **Tips:** Use the **Smooth FF**, **Skip Fwd #2**, **Smooth Rew**, or **Skip Bkwd #2** commands to jump to the next or previous category. Use the **Info** command to view the full description of a video in a dialog.

**Note:** The list of videos for a category is cached after it is downloaded, so you can quickly switch between categories without having to wait for the list to download again. After several minutes, the video list will be downloaded again the next time that category is viewed.

To return to the [YouTube Video](#) menu, use the **Left** arrow or the **Back** command.

**Tip:** Fully downloaded online video and audio-only files may be saved from the [Video Playback](#) or [Music Playback](#) screen by using the **Record** command or the **Save Downloaded File** option in the pop-up options dialog during playback. The files will become imported media, available for playback from the [Video Browser](#) or [Music Browser](#).

## Google Video

The **Google Video** menu allows access to online videos from Google, listing them for playback with SageTV. Its parent menu is the [Online Services](#) menu.

This menu displays selected categories of Google Videos. Choose an item from the menu to view a list of available videos from that category on the next screen: [Google Video Search Results](#), below.

The **Search** item allows you to search for specific videos you may wish to view.

Use the **Back** menu item to return to the [Online Services](#) menu.

### Google Video Search Results

The list of available videos is shown on the screen. Each video will display its description and thumbnail when available. Use the **Play** or **Select** commands to play the highlighted video. After a short delay to begin downloading the video, playback will begin on the [Video Playback](#) display. When the video ends, you will return either to the [Google Video Search Results](#) or to the [Google Video](#) menu.

The end of the list may contain a **More Search Results** entry. Select it to view a list of more videos.

The category bar above the video list contains other video categories, for easy access to some other categories without having to return to the main Google Video menu. Simply select a category to download and view its list of videos. **Tips:** Use the **Smooth FF**, **Skip Fwd #2**, **Smooth Rew**, or **Skip Bkwd #2** commands to jump to the next or previous category. Use the **Info** command to view the full description of a video in a dialog.

**Note:** The list of videos for a category is cached after it is downloaded, so you can quickly switch between categories without having to wait for the list to download again. After several minutes, the video list will be downloaded again the next time that category is viewed.

To return to the [Google Video](#) menu, use the **Left** arrow or the **Back** command.

**Tip:** Fully downloaded online video and audio-only files may be saved from the [Video Playback](#) or [Music Playback](#) screen by using the **Record** command or the **Save Downloaded File** option in the pop-up options dialog during playback. The files will become imported media, available for playback from the [Video Browser](#) or [Music Browser](#).

## TV Show Editorials

The **TV Show Editorials** menu provides access to brief editorials about selected upcoming TV shows. Scroll through the list of TV shows, then use the **Select** or **Info** commands to read the full editorial on the **TV Show Highlight** screen.

To return to the **Main Menu**, use the **Left** arrow or the **Back** command.

## TV Show Highlight

The editorial, airing date, and other information for the TV show on the left side of the screen. The data may fill more than the space on a single screen. If so, you will be able to scroll down to see the rest of the information.

The right size of the screen is used to display a combination of the show's thumbnail and series image (if there are images); however, if video is displayed in a window on menus, the video may be shown instead of an image in the upper right corner.

Use the **Select** command (Enter key) to display the list of possible actions to perform for the show:

- tv **Record a Future Airing** – Shown when future airings of the show are available, use this option to view a list of future airings that you may choose to record.
- tv **View Airing Details** – Shown when there are airings of the show available, use this option to jump to the **Program Information** screen to display detailed information about the airing.
- tv **Close** – Close the dialog.

Use the **Back** command or the **Left** arrow to return to the previous menu.

Using the **Options** command will display the **Video Menu Options** dialog, which is the regular Options menu found on most screens. See its full explanation for details.

## Plugin Manager

The Plugin Manager menu will be titled **All Available Plugins** or one of the **Installed Plugins** styles, depending on the item chosen on the [Main Menu](#) or the viewing style chosen in this menu via the [Options](#) command. On this menu, you can choose which user created plugins to install and configure those that you have installed.

To return to the [Main Menu](#), use the [Left](#) arrow or the [Back](#) command.

**Note:** Use of these plugins is at your own risk. The plugins presented are created and supported by other SageTV users. SageTV does not test or verify the operation of any of the plugins in any way and does not provide technical support for plugins. Questions about any plugin should be directed to the user who created it, using the SageTV user-to-user forum at: [forums.sagetv.com/forums](http://forums.sagetv.com/forums)

**Note:** Plugin developers can download the plugin system documentation from:  
<http://download.sagetv.com/DevelopingSageTVPlugins.doc>

### Plugin Manager Layout and Usage

The Plugin Manager displays a list of plugins with a category bar across the screen above the list. The list of plugins will be **All Available Plugins** which are all plugins available for installation or upgrade, or one of the **Installed Plugins** styles, which lists the plugins installed locally or on the SageTV server. Select a plugin to see the options for that plugin (see: [Plugin Options](#)), use the [Options](#) command to access the menu's options or change the viewing style (see: [Plugin Manager Options](#)), or choose an item from the category bar to change the category for the listed plugins (see: [Plugin Manager Categories](#)).

### Plugin Manager Options

Use the [Options](#) command to display the various options available on this menu. The options list can be exited by using the [Options](#) command again or via the [Left](#) arrow. The choices are:

 **Other Plugin Views** – The available viewing styles are listed below the **Other Plugin Views** title. The current view is highlighted. Select any view to switch to that viewing style:

- **All Available Plugins** – Available on all clients; lists all user created plugins.
- **Server Installed Plugins** – Available on SageTV Clients running on a different PC than the SageTV server, where plugins can be installed locally or on the SageTV server; lists all plugins installed on the server.
- **Client Installed Plugins** – Available on SageTV Clients running on a different PC than the SageTV server, where plugins can be installed locally or on the SageTV server; lists all plugins installed locally.

- **Installed Plugins** – Available on the SageTV server UI and on extender and Placeshifter clients connected to the server, where plugins are only installed on the server; lists all installed plugins.
- tv **Beta Versions: Show/Hide** – Toggles whether plugins tagged as beta by their authors are shown or hidden. Available when viewing **All Available Plugins**.
- tv **Incompatible Plugins: Show/Hide** – Toggles whether incompatible plugins are shown or hidden. Available when viewing **All Available Plugins**.
- tv **Updated Only: Yes/No** – Toggles whether the plugin list contains only the installed plugins that have been updated since they were installed.
- tv **Sort by: <Sort Style>** – Indicates the current sorting mode style for the plugin list. **Select** to toggle between the three sorting styles:
  - **Plugin Name** – Sort by the name of the plugin.
  - **Author Name** – Sort by the name of each plugin's author.
  - **Recently Changed** – Sort by the last-changed date for each plugin, with the most recently changed plugins listed first.
- tv **Disable All Plugins** – Use this option to disable all plugins that can be disabled. Available when viewing **Installed Plugins**.
- tv **Uninstall All Plugins** – Use this option to uninstall all installed plugins. Available when viewing **Installed Plugins**.
- tv **Menu Options** – Displays the standard **Video Menu Options**. See its full explanation for details.
- tv **Restart SageTV** – Select this option to restart SageTV. This option is only shown after plugin changes that require a restart of SageTV in order to complete the plugin change.

## Plugin Manager Categories

The category bar displayed above the list of plugins is used to change the category for type of plugins to be listed. The currently listed category type is highlighted. Choose from:

- tv **General** – General plugin type that usually adds additional functionality.
- tv **Full UI Package** – Full UI replacement STV packages. After installed a plugin of this type, the UI could be changed to use it via the **SageTV Full UI Package (.STV or .XML File)** option in **Detailed Setup: Advanced Settings**.
- tv **UI Modification** – Plugins that modify the functionality of a full UI STV package. After installation, this type of plugin can usually be enabled or disabled.
- tv **Theme** – Plugins that contain one or more alternate themes to modify the appearance of the UI. After installing a plugin of this type, you may be asked whether to change to the

newly added them. Themes can also be changed via the [Select the User Interface Theme](#) option in [Detailed Setup: Advanced Settings](#).

- tv **Images** – Plugins that contain additional images to use with SageTV, such as channel logos.
- tv **Library** – Plugins that are usually dependencies of other plugins and which usually have no purpose if installed on their own.
- tv **All** – All plugin types combined.

## Plugin Options

After selecting a plugin, various options will be displayed in a dialog depending on whether the plugin can be installed or updated, is already installed, etc. The options are:

- tv **Close** – Close the dialog.
- tv **View Plugin Details** – View the plugin details on the [Plugin Detail](#) menu. The **Info** command can be used as a shortcut to view the plugin details.
- tv **View screenshots** – If the plugin has screenshots available, use this option to view them.
- tv **View videos** – If the plugin has videos available, use this option to view them.
- tv **View URLs** – If the plugin has webpage URLs available, use this option to view them. This option is only available on SageTV or SageTV Client UIs running on Windows.
- tv **Configure Plugin** – If an installed plugin has configuration options, use this option to jump to the [Plugin Configuration](#) menu where the plugins settings can be configured.
- tv **Reset Plugin Configuration** – If an installed plugin is configurable, use this option to reset its configuration settings.
- tv **Disable Plugin** – If an installed plugin can be disabled, use this option to disable it.
- tv **Enable Plugin** – If an installed plugin is disabled, use this option to enable it.
- tv **Uninstall Plugin** – Use this option to uninstall an installed plugin.
- tv **Update Plugin** – If an installed plugin has been updated, use this option to install the update.
- tv **View Updated Plugin Details** – This option is available when viewing **Installed Plugins** and is used to view the details for an updated plugin on the [Plugin Detail](#) menu. **Note:** Using the **View Plugin Details** option would display the details for the already-installed plugin; this option shows the details for the updated plugin.

- **Install Plugin** – This option is available when viewing **All Available Plugins**; use it to install a plugin.

## Plugin Detail

The **Plugin Detail** menu displays the full information for a plugin.

Full details for the plugin are shown on the screen. The data may fill more than the space on a single screen. If so, you will be able to scroll down to see the rest of the information.

Use the **Select** command (Enter key) to display the list of possible options for the plugin; see the **Plugin Options** dialog for details.

Use the **Back** command or the **Left** arrow to return to the previous menu.

Using the **Options** command will display the **Video Menu Options** dialog, which is the regular Options menu found on most screens. See its full explanation for details.

## Plugin Configuration

The **Plugin Configuration** menu displays the configuration options for a plugin.

Select the current setting to the right of a configuration item to change the setting. The list of configuration options may fill more than the space on a single screen. If so, you will be able to scroll down to see the rest of the options.

Use the **Back** command or the **Left** arrow to return to the previous menu.

Using the **Options** command will display the **Video Menu Options** dialog, which is the regular Options menu found on most screens. See its full explanation for details.

# Chapter 4: Media Playback

## Supported Media Types

SageTV supports many current video, music and photo formats:

- tv **File Formats** – AVI, ASF, MKV, MOV, MP4, QuickTime, MPEG-1, MPEG-2 PS, MPEG-2 TS, M2TS, BDMV Folder (BluRay), BluRay ISO, DVD ISO, DVD VIDEO\_TS, VOB, M4A, MP3, FLAC, OGG, FLV, WAV, WMA
- tv **Video Codecs** – MPEG1, MPEG2, MPEG4, XVID, H264\*, WMV9, VC1\*, MJPEG, FlashVideo (some formats may require an external decoder to be installed)
- tv **Audio Codecs** – MP2, MP3, AAC, AAC-HE, ALAC, WMA, WMAPro, PCM, Vorbis, FLAC, DolbyDigital, DolbyTrueHD, DTS, DTS-HD/MA (some formats may require an external decoder to be installed)
- tv **CC/Subtitle Formats** – EIA-608 (NTSC/ATSC/QAM Closed Captioning), SRT, SSA/ASS, SAMI, .sub (Subviewer/MicroDVD), DVD, multiple languages supported in all formats (NOTE: HD media extenders support additional subtitle formats beyond this.)
- tv **Playlist Formats** – M3U, WPL, ASX, WAX, WVX
- tv **Picture Formats** – JPEG, PNG, GIF, TIFF

## Using the SageTV Media Playback Interface

SageTV supports the basic media types of video, DVD/BD, music, and pictures. Each type has its own specialized playback interface. While most of the playback interfaces are similar in terms of which commands are available, there are some differences to be aware of. Therefore, each of the four interfaces will be described below, along with the most commonly used commands. See the full list of commands for a complete description of all available commands. The basic media types that can be played or viewed are:

- tv **Videos** – Videos include SageTV recordings of TV shows and videos that have been imported into the [Video Browser](#). SageTV looks for library videos in the [Media Center Import Directories](#), as defined in [Detailed Setup: General Settings](#). For details about playing videos, see [Video Playback](#).
- tv **DVD** – DVDs can be played from a DVD drive in the same computer SageTV is running on. DVDs cannot be played over a network from a DVD drive on another computer.

DVDs stored on a hard drive can be played by SageTV. (see: [Appendix I: Playing DVDs and BDs from the Hard Drive](#).) For details about playing DVDs, see [DVD Playback](#).

- tv **Music** – The [Music Browser](#) can play music files stored on the computer in any of the [Media Center Import Directories](#), as defined in [Detailed Setup: General Settings](#). For details about playing music, see [Music Playback](#).
- tv **Pictures** – Pictures may be viewed individually or as a slideshow in the [Photo Browser](#). As with music and library videos, SageTV looks for pictures in the [Media Center Import Directories](#), as defined in [Detailed Setup: General Settings](#). For details about viewing pictures, see [Picture Viewing](#).

## A Note About Time Scroll Playback Mode

One command that is not listed in the playback sections below, because it is not assigned to a keystroke by default, is the **Time Scroll** command, which offers another way to jump forward or backward while playing media, in addition to the **Skip Forward**, **Skip Bkwd**, **Skip Fwd #2**, and **Skip Bkwd #2** commands. It operates quite differently from those commands, however.

The first use of the **Time Scroll** command enters **time scroll mode**. If playback has not been paused, playback will continue while the time indicator will change color. While in this mode, you may:

- tv Use the **Skip Forward** and **Skip Bkwd** commands to move the time indicator icon forward/backward 2 minutes 30 seconds for each time one of these commands is used. (This time is adjustable via the **Fast Forward & Rewind times** option.) For now, playback will continue at the current time; only the time indicator will move.
- tv Use the **Skip Fwd #2** and **Skip Bkwd #2** commands to move the time indicator icon directly to the end or beginning of the media, respectively. For now, playback will continue at the current time; only the time indicator will move.

To exit time scroll mode:

- tv Use the **Time Scroll** command a second time to exit time scroll mode and begin playback at the time indicator icon's current location. If you have jumped to the end of the media, playback of that media will end. If playback was paused, it will still remain paused after exiting time scroll mode. **Note:** the time indicator icon does not move on its own while in time scroll mode; if you let playback continue for a short period without using any FF or REW commands and then exit time scroll mode using the command a second time, playback will jump back to where the indicator was.
- tv Do nothing for a short delay period, or use commands such as **Pause**, **Play**, or **Play/Pause**, to cancel time scroll mode and continue playback at the current playback location, regardless of where the time indicator icon is currently shown.

If you wish to make use of the time scroll mode functionality, you will need to assign a key or remote control IR code to it. See the [Link Infrared/Keystroke to SageTV Command](#) option in Detailed Setup.

## Video Playback

During video playback, the On-Screen Display (OSD) will appear after using most playback control commands and will turn off after a short timeout period. Alternatively, you can use the **Info** or **Select** command to toggle the OSD on or off. **Note:** Only certain portions of the OSD may be shown, depending on the current status and the command used. **Tip:** To change the timeout period, see **Inactivity Timeout** and **OSD AutoHide** in **Detailed Setup: Customize Settings**.

### OSD Top

The upper left displays the channel where a recording aired, or the current channel for live TV. If playback is live TV, the ▲ and ▾ icons can be used to change the channel with the mouse. If SageTV has been configured to use channel logos, the channel logo will be displayed when available. **Note:** This section displays the video thumbnail, if available, when playing imported video files.

The middle section of the top displays an abbreviated form of the recording's or imported video's detailed information, including the show title, episode name, date and time when the show was recorded, and a description of the show's contents. The titles for Manual Recordings and Favorites will be shown using **bold** text.

The upper right displays the current day and time, along with a volume indicator showing whether the volume has been muted or is audible. The volume may be controlled with the mouse by clicking on the volume bar. Clicking on the volume icon will turn the sound on or off.

### OSD Bottom

The bottom contains the time bar display (see below for details) showing the current point of playback along with the overall length of the recording or imported video, and mouse icons to control playback, if mouse icons have been enabled. To control whether mouse icons are shown, use the **Show Mouse Icons** option in **Detailed Setup: General Settings**. Using the mouse, clicking on any point on the time bar moves the playback point to that position. Clicking on the icons performs these functions:



### OSD Time Bar

The time bar is used to indicate the length of the recording or imported video, the current playback position, and such status information as the section that has been watched, recorded, and/or not recorded.

The time bar always displays “0:00:00” as the beginning at the far left (click on that number to jump to the start of the video) and the video’s duration to the far right (click on that number to jump to the end of the video).

If a recording has been padded so that the recording extends beyond the start/end of the show’s actual airing time, that padding will be displayed on the time bar also, to the left/right of the vertical marker bars for the start/end times.

The colors on the time bar display represent the four possible indicator states. **Note:** The time bar has slightly different coloring in the padded areas.

- **Red** – This is the portion of the show that is in the past and has not been recorded. If you have changed the channel and then returned to a previously watched channel during the same show, you may notice that there is a red section to indicate the portion of the show not recorded in between recorded sections.
- **White** – This part of the show has been viewed and is now considered Watched by SageTV. If you exit a show that has not yet been completely watched, SageTV will remember how much you have watched and continue from that point the next time you watch that recording.
- **Green** – This is the remainder of the show that has already been recorded, but not yet watched.
- **Clear** – This represents the portion of the show that has not yet been recorded since it is beyond the current time and thus has not aired yet. You cannot fast forward into the clear section, since it represents the future.

## Playback Commands

Most SageTV commands are available during video playback. The most commonly used ones and their default key assignments are listed below. Please see [Appendix E: Remote Controls](#) for the default Hauppauge and Streamzap remote layouts and remember that you can customize your key assignments for every command. The [SageTV Commands](#) customization section contains full details of all the available commands, their default keys, and how to customize their assignments.

Command	Keystroke	Function
Pause	Ctrl+S	Pause playback. If already paused, advance one frame.
Play	Ctrl+D	Resume playback if paused.

<b>Command</b>	<b>Keystroke</b>	<b>Function</b>
Play/Pause	Ctrl+Shift+S, Middle Mouse Button	Toggles between paused & playing. If playing, playback will pause. If paused, playback will resume.
Stop	Ctrl+G	Closes the file and stops playback. You will be returned to the <a href="#">Main Menu</a> . For additional information, see the explanation for the <b>Close File</b> option, below.
Skip Forward	Ctrl+F	Fast Forward 10 seconds. (This time is adjustable via the <a href="#">Fast Forward &amp; Rewind times</a> option.)
Skip Bkwd	Ctrl+A	Rewind 10 seconds. (This time is adjustable via the <a href="#">Fast Forward &amp; Rewind times</a> option.)
Skip Fwd #2	Ctrl+F8	Fast Forward 2:30 – 2 minutes, 30 seconds. (This time is adjustable via the <a href="#">Fast Forward &amp; Rewind times</a> option.)
Skip Bkwd #2	Ctrl+F7	Rewind 2:30. (This time is adjustable via the <a href="#">Fast Forward &amp; Rewind times</a> option.)
Channel Up	Page Up, Ctrl+Up	If watching live TV, change to the next higher channel number.
Channel Down	Page Down, Ctrl+Down	If watching live TV, change to the next lower channel number.
Volume Up	Ctrl+R, Ctrl+Right	Increase audio volume.
Volume Down	Ctrl+E, Ctrl+Left	Decrease audio volume.
Mute	Ctrl+Shift+M	Toggle audio mute on or off.
TV	Ctrl+V	Return to the previous menu.
Home	Home	Moves directly to the <a href="#">Main Menu</a> .
Guide	Ctrl+X	Moves directly to the <a href="#">Program Guide</a> .
Power	Ctrl+Z	Puts SageTV to sleep.
Info	Ctrl+I, Left Mouse Button	Toggles the OSD on or off.
Left	Left	When the OSD is on, this toggles whether the show's full description is displayed.
Right	Right	When the OSD is on, this toggles whether the show's full description is displayed.

<b>Command</b>	<b>Keystroke</b>	<b>Function</b>
Watched	Ctrl+W	Toggles whether the remainder of the show is marked as Watched or not.
Don't Like	Ctrl+J	Toggles whether show is marked as Don't Like or not.
Record	Ctrl+Y	Toggles whether the show should be marked as a Manual Recording. If you are watching live TV, use this command to force SageTV to continue recording the show and save it for future viewing.  This command can also be used to save a fully downloaded online video file.
Full Screen	Ctrl+Shift+F	Toggles whether SageTV should make its Window full screen or not.
Options	Escape, Ctrl-O, Right Mouse Button	Toggles the display of the Options pop-up menu for playback option choices. See the detailed description, below.
Num 0 – 9	0 – 9	Used to enter channel changes. While watching live TV, enter the channel number you wish to watch, then use the <b>Select</b> command (Enter key).

## Video Playback Options Menu

Using the **Options** command while playing a SageTV recording or imported video will cause a pop-up menu to appear with additional options:

**Cancel** – Cancel the pop-up and close it. Using the **Options** command has the same result.

**Detailed Info** – Use this option while watching a recording to jump directly to the **Recording Detail** menu for the recording being played or the **Video Detail** menu for an imported video.

**Subtitles** – If the video contains subtitles, this option toggles whether subtitles are to be displayed. Subtitles are enabled if this option is checked.

**Subtitle Language** – If the video contains multiple subtitle languages, this option will be available for choosing which language to use for subtitles.

**Save Downloaded File** – When playing a downloaded video media file, this option will be available after the file has been completely downloaded. The downloaded video will be saved as an imported video and may be played from the **Video Browser**. Use the **Record** command as a shortcut for this option.

**Shuffle Video Playback** – This selection reflects whether random playback of the current video playlist is enabled or disabled. Selecting this item will toggle shuffled playback on and off.

**Repeat Video Playback** – This selection reflects whether repeat playback of the current video playlist is enabled or disabled. Selecting this item will toggle repeat playback on and off.

**Main Menu** – Go directly to the [Main Menu](#).

**Video Library** – Go directly to the [Video Browser](#) menu to view imported videos. Available when playing an imported video.

**SageTV Recordings** – Go directly to the [SageTV Recordings](#) menu to view the list of recordings. Available when playing a recording.

**Program Guide** – Go directly to the [Program Guide](#) to view the grid showing the list of shows on each channel. Available when playing a recording.

**Recording Schedule** – Go directly to the [Recording Schedule](#) to view upcoming recordings. Available when playing a recording.

**Standby** – Stops playback and puts SageTV into standby (or sleep) mode.

**BD Title Select** – When playing a Blu-ray video, this option opens a dialog where the list of Blu-ray tiles are listed. The currently playing title is marked; select a title from the list to start playing that title.

**Stop Playback** – Closes the file and stops playback. You will be returned to the screen where playback was initiated. If that is not possible, then you will jump to the [Program Guide](#), [SageTV Recordings](#), or [Video Browser](#) menu, depending on the video that was playing. Use the [Stop](#) command as a shortcut for this option. Notes:

- tv If you are watching live TV, this command will also stop the recording process.
- tv If the live TV that you are watching is a show that was scheduled to record, the recording will continue; only playback will stop.
- tv If you are watching a prerecorded show, no recording process is affected.

**Next Chapter** – If the video contains multiple chapters, this option will be available to jump to the next chapter.

**Previous Chapter** – If the video contains multiple chapters, this option will be available to jump to the previous chapter.

**Record this show** – This option's name can change depending on the status of the recording. While watching live TV, use this option to toggle whether to record and keep the show. While

watching an existing recording, this option will mark or unmark the Manual Recording status for the recording. Use the **Record** command as a shortcut for this option.

**Jump to Beginning** – Jump to the beginning of the video. While this dialog is open, use the **Skip Bkwd #2** command as a shortcut for this option.

**Jump to End** – Jump to the end of the video. While this dialog is open, use the **Skip Fwd #2** command as a shortcut for this option.

**Audio Language** – If the video contains multiple languages, this option will be available for choosing which language to use during playback.

**Aspect Ratio Mode** – Displays another pop-up menu where you can choose which aspect ratio to use for playback. See the [Aspect Ratio Mode selection dialog](#).

**Captions (Off/CC1/CC2)** – Toggles between the Closed Caption display settings, when available. Also see [Appendix K: Closed Captions](#).

**Caption & Subtitle Options** – If subtitles and/or closed captions are available, this option will be shown, allowing setting various caption and subtitle options.

**Toggle Full Screen** – Toggles whether SageTV should make its Window full screen or not.

## Video Playback Completion Options

Since SageTV will not automatically delete a Manual Recording or a Favorite with AutoDelete turned off, when such a recording completes playback after being fully watched, an options menu will be shown to ask whether to delete the recording. Choose from:

- tv **Delete this recording now** – The recording will be deleted immediately.
- tv **Delete this recording when space is needed** – (Shown only for Manual Recordings.) The recording will have its Manual Recording status cleared so that SageTV sees it as just a regular recording. **Note:** If the recording is also a Favorite with AutoDelete turned off, SageTV will still not be able to delete the file automatically.
- tv **Do not delete this recording** – The recording will not be deleted; it will be left as-is. Note: Using the **Options** command will also close this menu without deleting the recording.

**Note:** This dialog can also be configured to ask for all recordings or to never be shown. See [Ask to delete recording at end of playback?](#), in [Detailed Setup: Customize Settings](#).

## Aspect Ratio Mode selection dialog

This dialog displays a list of the available aspect ratio modes that can be used for video playback. In addition, custom aspect ratio modes can be created and edited when using a SageTV HD Extender. The Aspect Ratio Mode dialog has the following choices:

- tv **Close** – Cancel and close this menu.
- tv **Add new custom AR Mode** – (HD Extender only) Create a new custom aspect ratio mode, with its default settings copied from a list of existing aspect ratio modes.
- tv **Fill** – Stretch the video to fill the SageTV playback area.
- tv **Source** – Use the video source information to determine the playback aspect ratio.
- tv **4x3** – Force playback to fit the video into a 4x3 ratio area, stretching or shrinking the video to do so. (Not an option on the HD Extender)
- tv **16x9** – Force playback to fit the video into a 16x9 ratio area, stretching or shrinking the video to do so. (Not an option on the HD Extender)
- tv **ZoomA** – (HD Extender only) Uses the complete screen in vertical direction.
- tv **ZoomB** – (HD Extender only) Zooms into the 16:9 part of a 4:3 show inside a 16:9 broadcast.
- tv **ZoomC** – (HD Extender only) Expands 16:9 content within a 4:3 video stream for playback on a 16:9 TV.
- tv **Fill Wide** – (HD Extender only) Stretches 4:3 content within a 16:9 video stream to fill the screen on a 16:9 TV.
- tv On an HD Extender, any custom aspect ratio modes will be listed in alphabetical order after the “Fill Wide” AR mode.

**Aspect ratio notes when using the HD Extender only:** Use the **Right** arrow while any aspect ratio is highlighted for more options:

- tv **Set as the default Aspect Ratio mode** – Tells SageTV to use this aspect ratio mode as the initial AR mode whenever video playback starts.
- tv **Delete this Custom AR mode** – (Custom AR mode only) Allows the deletion of a custom aspect ratio mode.
- tv **Rename this Custom AR mode** – (Custom AR mode only) Allows a custom aspect ratio mode to be renamed.

- tv **Edit this Custom AR mode** – (Custom AR mode only) Opens a dialog where the custom aspect ratio mode settings can be configured.
- tv **Return to Aspect Ratio mode list** – Close the aspect ratio mode options and returns to the list of aspect ratio modes that can be used for video playback.

## DVD Playback

During DVD playback, DVD menus that are not part of the SageTV interface may be navigated by using the directional arrow keys and using the **Select** command to make menu selections. Those are the DVD's built-in menus that are shown on any DVD playback device and are not specific to SageTV. During playback of a DVD video, however, SageTV presents its own interface for controls such as pause, fast forward, rewind, etc.

During DVD playback, the On-Screen Display (OSD) will appear after using most playback control commands and will turn off after a short timeout period. Alternatively, you can use the **Info** or **Select** command to toggle the OSD on or off. **Note:** Only certain portions of the OSD may be shown, depending on the current status and the command used. **Tip:** To change the timeout period, see **Inactivity Timeout** and **OSD AutoHide** in **Detailed Setup: Customize Settings**.

### OSD Top

The upper part of the OSD displays the DVD playback status information, including the DVD title, current chapter, and other current settings. The and icons can be used to change the chapter with the mouse. The DVD's thumbnail will be shown in the upper left corner, if a thumbnail is available.

The upper right displays the current day and time, along with a volume indicator showing whether the volume has been muted or is audible. The volume may be controlled with the mouse by clicking on the volume bar. Clicking on the volume icon will turn the sound on or off.

### OSD Bottom

The bottom contains the time bar display (see below for details) showing the current point of playback along with the overall length of the video, and mouse icons to control playback, if mouse icons have been enabled. To control whether mouse icons are shown, use the **Show Mouse Icons** option in **Detailed Setup: General Settings**. Using the mouse, clicking on any point on the time bar moves the playback point to that position. Clicking on the icons performs these functions:



### OSD Time Bar

The DVD time bar is used to indicate the length of the video, the current playback position, and the section that has been watched.

The time bar always displays “0:00:00” as the beginning at the far left (click on that number to jump to the start of the video) and the video’s duration to the far right (click on that number to jump to the end of the video).

The DVD playback time bar uses two colors:

-  **White** – This part of the DVD has been viewed.
-  **Green** – This is the remainder of the DVD that has not yet been watched.

## Playback Commands

Most SageTV commands are available during DVD playback. The most commonly used ones and their default key assignments are listed below. Please see [Appendix E: Remote Controls](#) for the default Hauppauge and Streamzap remote layouts and remember that you can customize your key assignments for every command. The [SageTV Commands](#) customization section contains full details of all the available commands, their default keys, and how to customize their assignments.

Note: In addition to the usual playback commands, there are additional DVD-specific commands that are not originally assigned to any keys. To use them, you will need to assign keys or remote buttons to those commands.

Command	Keystroke	Function
<b>Pause</b>	Ctrl+S	Pause playback. If already paused, advance one frame.
<b>Play</b>	Ctrl+D	Resume playback if paused.
<b>Play/Pause</b>	Ctrl+Shift+S, Middle Mouse Button	Toggles between paused & playing. If playing, playback will pause. If paused, playback will resume.
<b>Stop</b>	Ctrl+G	Closes the file and stops playback. You will be returned to the <a href="#">Main Menu</a> . For additional information, see the explanation for the <b>DVD Stop</b> option, below.
<b>Skip Forward</b>	Ctrl+F	Fast Forward 10 seconds. (This time is adjustable via the <a href="#">Fast Forward &amp; Rewind times</a> option.)
<b>Skip Bkwd</b>	Ctrl+A	Rewind 10 seconds. (This time is adjustable via the <a href="#">Fast Forward &amp; Rewind times</a> option.)
<b>Skip Fwd #2</b>	Ctrl+F8	Fast Forward 2:30 – 2 minutes, 30 seconds. (This time is adjustable via the <a href="#">Fast Forward &amp; Rewind times</a> option.)
<b>Skip Bkwd #2</b>	Ctrl+F7	Rewind 2:30. (This time is adjustable via the <a href="#">Fast Forward &amp; Rewind times</a> option.)

<b>Command</b>	<b>Keystroke</b>	<b>Function</b>
Channel Up	Page Up Ctrl+Up	Jump to the next DVD chapter.
Channel Down	Page Down, Ctrl+Down	Jump to the previous DVD chapter.
Volume Up	Ctrl+R, Ctrl+Right	Increase audio volume.
Volume Down	Ctrl+E, Ctrl+Left	Decrease audio volume.
Mute	Ctrl+Shift+M	Toggle audio mute on or off.
TV	Ctrl+V	Return to the previous menu.
Home	Home	Moves directly to the <a href="#">Main Menu</a> .
Guide	Ctrl+X	Moves directly to the <a href="#">Program Guide</a> .
Power	Ctrl+Z	Puts SageTV to sleep.
Info	Ctrl+I, Left Mouse Button	Toggles the OSD on or off.
Full Screen	Ctrl+Shift+F	Toggles whether SageTV should make its Window full screen or not.
Options	Escape, Ctrl-O, Right Mouse Button	Toggles the display of the Options pop-up menu for playback option choices. See the detailed description, below.
Num 0 – 9	0 – 9	Used to enter the DVD chapter to play. Enter the chapter number you wish to watch, then use the <b>Select</b> command (Enter key).

## DVD Playback Options Menu

Using the **Options** command will cause a pop-up menu to appear with additional options and DVD playback controls.

**Cancel** – Cancel the pop-up and close it. Using the **Options** command has the same result.

**Detailed Info** – Use this option to jump directly to the [Video Detail](#) menu for an imported DVD.

**DVD Menu** – Jump to the DVD's menu.

**DVD Return** – Returns the display from a submenu to its parent menu.

**Subtitles** – Toggles whether DVD subtitles are to be displayed. Subtitles are enabled if this option is checked.

**Subtitle Language** – Displays a pop-up menu where you can choose which language to use for subtitles.

**Main Menu** – Go directly to the [Main Menu](#).

**Standby** – Stops playback and puts SageTV into standby (or sleep) mode.

**DVD Stop** – Closes and stops DVD playback. You will be returned to the screen where playback was initiated. If that is not possible, then you will jump to the [Main Menu](#). Playback will be ended, so you will be unable to use the [Back](#) command to return to viewing the DVD.

**DVD Next Chapter** – Jump to the next chapter.

**DVD Previous Chapter** – Jump to the previous chapter.

**Audio Language** – Displays a pop-up menu where you can choose which language to use for audio playback.

**Jump to Beginning** – Jump to the beginning of the video. While this dialog is open, use the [Skip Bkwd #2](#) command as a shortcut for this option. This option is available while playing the movie portion of a DVD.

**Jump to End** – Jump to the end of the video. While this dialog is open, use the [Skip Fwd #2](#) command as a shortcut for this option. This option is available while playing the movie portion of a DVD.

**Aspect Ratio Mode** – Displays another pop-up menu where you can choose which aspect ratio to use for playback. See the [Aspect Ratio Mode selection dialog](#).

**Captions (On/CC1/CC2)** – Toggles between the Closed Caption display settings.

**Caption & Subtitle Options** – If subtitles and/or closed captions are available, this option will be shown, allowing setting various caption and subtitle options.

**Toggle Full Screen** – Toggles whether SageTV should make its Window full screen or not.

## Music Playback

During music playback, the On-Screen Display (OSD) will appear after using most playback control commands and will turn off after a short timeout period. Alternatively, you can use the **Info** or **Select** command to toggle the OSD on or off. **Note:** Only certain portions of the OSD may be shown, depending on the current status and the command used. **Tip:** To change the timeout period, see **Inactivity Timeout** and **OSD AutoHide** in **Detailed Setup: Customize Settings**.

The background consists of a visualization effect that changes with the music, or information about the currently playing song.

### OSD Top

The upper part of the OSD displays the music playback status information, including the song title, artist, album, and track information. Playlist information will be displayed only when playing a Playlist. If album art is available, the image will be displayed. The and icons can be used to change to the next or previous song with the mouse.

The upper right displays the current day and time, along with a volume indicator showing whether the volume has been muted or is audible. The volume may be controlled with the mouse by clicking on the volume bar. Clicking on the volume icon will turn the sound on or off.

### OSD Bottom

The bottom contains the time bar display (see below for details) showing the current point of playback along with the overall length of the song, and mouse icons to control playback, if mouse icons have been enabled. To control whether mouse icons are shown, use the **Show Mouse Icons** option in **Detailed Setup: General Settings**. Using the mouse, clicking on any point on the time bar moves the playback point to that position. Clicking on the icons performs these functions:



### OSD Time Bar

The time bar is used to indicate the length of the song, the current playback position, and the section that has been played.

The time bar always displays “0:00:00” as the beginning at the far left (click on that number to jump to the start of the song) and the video’s duration to the far right (click on that number to jump to the end of the song).

The music playback time bar uses two colors:

-  **White** – This part of the song has been played.
-  **Green** – This is the remainder of the song that has not yet been played.

## Playback Commands

Most SageTV commands are available during music playback. The most commonly used ones and their default key assignments are listed below. Please see [Appendix E: Remote Controls](#) for the default Hauppauge and Streamzap remote layouts and remember that you can customize your key assignments for every command. The [SageTV Commands](#) customization section contains full details of all the available commands, their default keys, and how to customize their assignments.

Command	Keystroke	Function
Pause	Ctrl+S	Pause playback.
Play	Ctrl+D	Resume playback if paused.
Play/Pause	Ctrl+Shift+S, Middle Mouse Button	Toggles between paused & playing. If playing, playback will Middle Mouse pause. If paused, playback will resume.
Stop	Ctrl+G	Closes the file and stops playback. You will be returned to the <a href="#">Main Menu</a> . For additional information, see the explanation for the <b>Close File</b> option, below.
Skip Forward	Ctrl+F	Fast Forward 10 seconds. (This time is adjustable via the <a href="#">Fast Forward &amp; Rewind times</a> option.)
Skip Bkwd	Ctrl+A	Rewind 10 seconds. (This time is adjustable via the <a href="#">Fast Forward &amp; Rewind times</a> option.)
Skip Fwd #2	Ctrl+F8	Fast Forward 2:30 – 2 minutes, 30 seconds. (This time is adjustable via the <a href="#">Fast Forward &amp; Rewind times</a> option.)
Skip Bkwd #2	Ctrl+F7	Rewind 2:30. (This time is adjustable via the <a href="#">Fast Forward &amp; Rewind times</a> option.)
Channel Up	Page Up, Ctrl+Up	Jump to the next track in the playlist, album, or song list, depending on where playback was started. If random playback is enabled, the next song selection will be randomly chosen.
Channel Down	Page Down, Ctrl+Down	Jump to the previous track. See comments for <b>Channel Up</b> , above.

<b>Command</b>	<b>Keystroke</b>	<b>Function</b>
Volume Up	Ctrl+R, Ctrl+Right	Increase audio volume.
Volume Down	Ctrl+E, Ctrl+Left	Decrease audio volume.
Mute	Ctrl+Shift+M	Toggle audio mute on or off.
TV	Ctrl+V	Return to the previous menu.
Home	Home	Moves directly to the <a href="#">Main Menu</a> .
Guide	Ctrl+X	Moves directly to the <a href="#">Program Guide</a> .
Power	Ctrl+Z	Puts SageTV to sleep.
Info	Ctrl+I, Left Mouse Button	Toggles the OSD on or off.
Record	Ctrl+Y	Saves a fully downloaded audio-only online media file.
Full Screen	Ctrl+Shift+F	Toggles whether SageTV should make its Window full screen or not.
Options	Escape, Ctrl-O, Right Mouse Button	Toggles the display of the Options pop-up menu for playback option choices. See the detailed description, below.
Num 0 – 9	0 – 9	Used to enter the track number to play. While a song is playing, either enter a 2-digit number or a single digit followed by <a href="#">Select</a> to jump to that track number on the current album or the song number in a playlist.

## Music Playback Options Menu

Using the [Options](#) command will cause a pop-up menu to appear with additional options:

**Cancel** – Cancel the pop-up and close it. Using the [Options](#) command has the same result.

**Album Details** – Jumps to the [Music Browser](#) view for the current song's album.

**Song Details** – Jumps to a screen displaying the detailed information for the current song.

**Save Downloaded File** – When playing a downloaded audio media file, this option will be available after the file has been completely downloaded. The downloaded audio-only file will be saved as an imported music file and may be played from the [Music Browser](#). Use the [Record](#) command as a shortcut for this option.

**Shuffle Music Playback** – This selection reflects whether random playback of the current music playlist is enabled or disabled. Selecting this item will toggle shuffled playback on and off.

**Repeat Music Playback** – This selection reflects whether repeat playback of the current music playlist is enabled or disabled. Selecting this item will toggle repeat playback on and off.

**Main Menu** – Go directly to the [Main Menu](#).

**Music Browser** – Go directly to the [Music Browser](#) menu.

**Standby** – Stops playback and puts SageTV into standby (or sleep) mode.

**Stop Playback** – Closes and stops music playback. You will be returned to the [Music Browser](#). Playback will be ended, so you will be unable to use the [Back](#) command to return to the music playback display.

**Jump to Beginning** – Jump to the beginning of the song.

**Jump to End** – Jump to the end of the song.

**Visualization: Graphics/Song Info** – This selection toggles between using a graphical visualization background, or displaying the current song's information as the background. **Note:** If graphical visualizations are not available for the current playback device, this option will remain set to Song Info.

**Toggle Full Screen** – Toggles whether SageTV should make its Window full screen or not.

## Picture Viewing

Viewing pictures in SageTV consists of viewing an individual image or a series of images, shown as a slideshow. Whether you have chosen to view an individual image or a slideshow, only a single image is displayed on the screen at one time. Images are shown full size, unless they are too large to fit inside the SageTV window, in which case they will be shrunk to fit the space available while retaining their original proportions. Images smaller than the screen may optionally be enlarged to fill the screen.



Images whose dimensions match the SageTV window will completely fill the display area.

This image is full sized and does not exceed the SageTV window size. No resizing is needed.

This image is larger than the SageTV window. It has been resized to fit the vertical dimension.

If picture viewing is started as a slideshow, the [Photo Browser Slideshow Options](#) will be used to determine whether the slideshow will automatically advance to the next image, and how long each image is displayed.

If picture viewing is started by selecting a single image in the [Photo Browser](#) menu, the selected image will be displayed, but all images from the same folder will be sent to the picture viewer. If there are multiple images in the folder, slideshow mode can be started by using the [Play](#) command.

While slideshow mode is active or paused, [Skip Forward](#), [Skip Bkwd](#), and other commands listed below can be used to manually browse to the next or previous images in the slideshow or folder list.

### Commands

A limited number of commands are available during picture viewing. The available commands and their default key assignments are listed below. Please see [Appendix E: Remote Controls](#) for the default Hauppauge and Streamzap remote layouts and remember that you can customize your key assignments for every command. The [SageTV Commands](#) customization section contains full details of all the available commands, their default keys, and how to customize their assignments.

Command	Keystroke	Function
Pause	Ctrl+S	Pauses slideshow playback. If music is also playing, music playback will also pause.
Play	Ctrl+D	Resumes slideshow playback if paused. If music playback has been paused, it will also resume.
Stop	Ctrl+G	Ends picture viewing and returns to the <a href="#">Photo Browser</a> .
Select	Enter	Toggles the display of the Options pop-up menu for picture option choices. See the detailed description, below.
Up	Up Arrow	Proceeds to the next image in the slideshow. If the current image is the last one, the slideshow will restart if the slideshow options are set to do so, or the slideshow will end.
Page Up	Page Up	
Skip Forward	Ctrl+F	
Skip Fwd #2	Ctrl+F8	
Smooth FF		
Down	Down Arrow	Returns to the previous image, if not viewing the first image.
Page Down	Page Down	
Skip Bkwd	Ctrl+A	
Skip Bkwd #2	Ctrl+F7	
Smooth Rew		
Info	Ctrl+I	View detailed information about the picture.
Back	Alt+Left	Ends viewing the image and returns to the <a href="#">Photo Browser</a> .
Left	Left Arrow	Issues the <a href="#">Back</a> command.
	Escape	Issues the <a href="#">Back</a> command.
Options	Ctrl-O, Right Mouse Button	Toggles the display of the Options pop-up menu for picture option choices. See the detailed description, below.
Home	Home	Moves directly to the <a href="#">Main Menu</a> .

## Mouse Control

While viewing an image, mouse control consists of the following:

**Left or Right Button** – Toggles the display of the Options pop-up menu for picture option choices. See the detailed description, below.

**Scroll Wheel** – Scrolls to the next or previous image if viewing a slideshow or if multiple images are available in the current image's folder when not viewing a slideshow.

**Back Button** – Ends viewing the image and returns to the [Photo Browser](#).

## Options Menu While Viewing a Single Image or a Slideshow

Using the **Options** or **Select** command while viewing an image will cause a semi-transparent menu to appear with these options:

**Close Menu** – Closes the semi-transparent menu.

**Next** – Displays the next image from the same folder or the next slideshow image, if there is one after the current image.

**Previous** – Displays the previous image from the same folder or the previous slideshow image, if there is one before the current image.

**Slideshow** – If a slideshow is paused, the **Play** command will resume the slideshow.

**Pause** – If a slideshow is playing, the **Pause** command will pause the slideshow.

**Thumbnails** – Ends picture viewing or the slideshow and returns to the **Photo Browser**. Use the **Stop** command as a shortcut.

**Info** – View detailed information about the picture. Use the **Info** command as a shortcut.

**Rotate (lossless)** – If the picture is a JPG file, this option will allow lossless rotation of the picture file.

**Hide Tip** – If unchecked, a tip will be displayed in the upper right corner of the screen when slideshow mode is paused. If checked, the tip will not be displayed.

**Regenerate Thumbnail** – Forces the thumbnail for the photo being viewed to be regenerated.

**Slideshow Options** – Display the pop-up **Photo Browser Slideshow Options** dialog, where the various options for slideshows can be set.

# Chapter 5: Configuring SageTV

## SageTV Setup

Initial SageTV setup consists of using the [Configuration Wizard](#) to configure SageTV, which includes setting various options and configuring TV recording and playback. Part of the Configuration Wizard consists of the [Source Setup](#), used to configure the encoding devices. Once SageTV is configured, options may later be adjusted for all the source capture devices, certain channels may be enabled or disabled through the [Channel Setup](#) and [Channel Manager](#) menus, [Parental Controls](#) may be changed, and various options may be configured in [Detailed Setup](#). All of these setup options are reached through the Setup submenu on the [Main Menu](#).

In addition to the options that you can from within SageTV, there are some additional advanced settings that can be changed by editing the Sage.properties or SageClient.properties file. Some of these advanced settings are explained in [Appendix A: SageTV Properties Settings](#).

## Configuration Wizard

The main **Configuration Wizard** menu provides options to complete the entire configuration wizard, or just certain parts of it:

**Complete the Entire Configuration Wizard** – Configure all of SageTV's essential options. The first time SageTV is started, this process will automatically begin. Configuration starts with Step 1 of the [Configuration Wizard: General and User Interface Options](#) and continues through all configuration steps.

**Set the General and User Interface Options** – Configure only the settings within this section of the configuration wizard. Go to Step 1 for this section: [Configuration Wizard: General and User Interface Options](#).

**Set the Media Center Options** – Configure only the settings relating to importing media files. Go to Step 1 for this section: [Configuration Wizard: Media Center Options](#).

**Configure TV Recording** – Configure only the settings regarding TV recording, including the video recording directories and capture device configuration using the [Source Setup](#). Go to Step 1 for this section: [Configuration Wizard: Configure TV Recording](#).

**Configure Video Playback** – Configure only the settings regarding playing TV recordings. Go to Step 1 for this section: [Configuration Wizard: Configure Video Playback](#).

**Return to the Main Menu** – Return to the [Main Menu](#).

**Tip:** All of the current properties settings are saved whenever this menu is exited.

## Configuration Wizard: General and User Interface Options

This portion of the Configuration Wizard handles configuring the basic options and proceeds through the following steps:

### Step G1: Choose Your Country

Select your country from the list shown.

### Step G2: Choose Your Language

Select your language from those in the list.

### Step G3: Choose Whether to Enable the SageTV Server (server only)

This option is only available in SageTV, not SageTVClient; enabling it allows SageTV to act as a server so that it can talk to any SageTV Clients that may be installed on other computers on your network. If you plan to use SageTVClient on another computer on your network, you must enable SageTV to act as a server. The options are:

- Yes – Enable the server so that I can use SageTV Client**
- No – Disable the server. I do not plan to use SageTV Client**

### Step G4: Choose Whether to Enable the Media Extender and Placeshifter Server (server only)

This option is only available in SageTV, not SageTVClient, when the SageTV Server option is already enabled (above); enabling it allows SageTV to act as a server for Media Extenders and Placeshifter Clients. If you plan to use a Media Extender or a Placeshifter Client, you must enable this server option. The options are:

- Yes – Enable use of an extender or Placeshifter client**
- No – Disable use of an extender or a Placeshifter client**

## Step G5: Manage the Placeshifter Users

Available when the Media Extender and Placeshifter Server is enabled, you may configure the Placeshifter users from this screen. **Note:** At least 1 Placeshifter user will need to be created in order to be able to use the Placeshifter client from a remote location.

The options are:

- tv **Configure Placeshifter users** – See the [Manage Placeshifter Users](#) dialog in the [Detailed Setup: Server Settings](#) menu.
- tv **Continue** – Continue the Configuration Wizard process.

## Step G6: Configure the Placeshifter Internet Connection (server or media extender only)

In order to use a Placeshifter Client from a remote location, your local network's router/firewall needs to be configured to allow access to your SageTV server from remote locations. It must be configured to forward all communication that comes from the internet and arrives at a specific port on your router so that the data received is sent to your local SageTV server. This configuration can be done manually on the router, or SageTV can be configured to automatically handle keeping access to the SageTV server open if your router has UPnP (Universal Plug and Play) capability.

### IMPORTANT NOTES:

- After entering this Configuration Wizard screen, SageTV will take a short time to check the current port forwarding configuration settings and options. You may exit the screen by using the **Continue** button while this is happening, but the **Configure Placeshifter Connection** button will not function until the check has been completed.
- If UPnP configuration fails, but your router does have UPnP capabilities, make sure that UPnP is enabled on the router or check to see if there is a firmware update for the router.
- Refer to your router's documentation regarding how to manually configure port forwarding or how to enable UPnP.
- If you manually configure port forwarding, you may need to also assign a static IP address for your SageTV server. If using UPnP, SageTV will monitor the local server's IP address and update the UPnP settings accordingly.

The available options are:

- tv **Configure Placeshifter Connection** – After the initial configuration check has been completed, you may select this option to configure port forwarding on your router.

Choose a port forwarding configuration method, then check external connections by selecting the **Test Placeshifter Connection** option.

- **Automatic UPnP Configuration** – Allow SageTV to use default values when using UPnP port forwarding. If a custom external port was previously set, it will be reset if this option is chosen. SageTV will report whether UPnP configuration was successful.
  - **Advanced UPnP Configuration with Port Selection** – If you have a need to use a different external port than the default 31099, this setting allows you to use a specific port with UPnP port forwarding. SageTV will report whether UPnP configuration was successful.
  - **Manual Configuration** – If your router does not have UPnP capability, or if you prefer not to use UPnP, then this option will allow you to specify the external port to use, then information about what port to forward will be displayed.
- tv **Copy Locator ID to System Clipboard** – Select this option to see the Locator ID for the server and to copy it to the system clipboard. This ID can be used by the place shifting client to find the server so that you do not need to know your actual IP address. **Notes:** When using a Media Extender, this button will only allow viewing the Locator ID. The Locator ID is also displayed on the [System Information](#) display.
- tv **Test Placeshifter Connection** – Once port forwarding has been configured, either manually or via UPnP, use this option to test the connection. The remote Locator ID server will be asked to attempt contacting your SageTV server. When the test is complete, the results will be shown.
- tv **Continue** – Select this button to continue with the next step of the Configuration Wizard, or to return to Detailed Setup if that is how you arrived at this screen.

## Step G7: Select the SageTV Startup Option

Choose whether SageTV should automatically be loaded at Windows startup, and how to run it if it should be loaded. **Note:** if using service mode, this option only affects the SageTV User Interface. The service uses its own options regarding running at Windows startup.

- tv **No – Don't Load SageTV** – SageTV will not start when Windows does.
- tv **Yes – Load SageTV in Full Screen mode** – When Windows starts, SageTV will also start and will run in full screen mode.
- tv **Yes – Load SageTV into the System Tray** – When Windows starts, SageTV will be started in sleep, or standby, mode. It will not open a window on the Windows Desktop, but will only be visible as an icon in the system tray.

## Step G8: Adjust Display Aspect Ratio

SageTV uses the **Display Aspect Ratio** to determine how best to display any graphics or video content. You may choose from a few pre-set choices, or use the **Left** and **Right** arrows to adjust the circle until it appears round. To adjust using larger increments, use the **Skip Forward** and **Skip Bkwd** commands. Once the circle appears round, **Select** the **Done** button to continue.

## Step G9: Adjust User Interface Overscan, Part 1

When viewing SageTV on a TV, the user interface may not fit the screen dimensions correctly. Use this 2-part overscan adjustment to resize the interface so that it is entirely visible on the TV. Note: This configuration step is skipped when using SageTV on a desktop computer.

Part 1 consists of positioning the upper left corner of the display such that the blinking red & yellow corner marker is visible on the screen. Use the **Left**, **Right**, **Up**, and **Down** arrows to position the corner. To adjust using larger increments, use the **Skip Forward**, **Skip Bkwd**, **Page Up**, and **Page Down** commands. Once the corner is positioned, **Select** the “**Done – Top Left**” button to continue with part 2.

## Step G10: Adjust User Interface Overscan, Part 2

This step continues the process of resizing the interface so that it is entirely visible on the TV.

Part 2 consists of positioning the lower right corner of the display such that the blinking red & yellow corner marker is visible on the screen. Use the **Left**, **Right**, **Up**, and **Down** arrows to position the corner. To adjust using larger increments, use the **Skip Forward**, **Skip Bkwd**, **Page Up**, and **Page Down** commands. Once the corner is positioned, **Select** the “**Done – Bottom Right**” button to continue the configuration wizard.

## Step G11: Display Videos on Menus?

SageTV is capable of displaying a video preview window or background on some menus. Choose when you wish to have videos displayed on the menus:

- tv **Never show videos on menus** – Tells SageTV that video playback should never be displayed on any menus.
- tv **If a video is playing, show it on menus** – This will activate videos on menus only if a video currently happens to be playing.

- tv **Always show videos on menus** – Video preview/background display will always be active. If there is currently no media playing, SageTV will initiate live TV playback.

### Step G12: Choose Style for Videos on Menus

If you chose to allow videos to be displayed on menus in the step above, then you will be asked how such videos should be displayed:

- tv **Display videos as the background** – Videos will be shown as the full sized background behind any active menu where such video is allowed to be displayed.
- tv **Display videos in the preview window** – Videos will be shown in the preview window area for any menu where there is room for such a preview window.

### Step G13: Select Remote Control

Choose the remote control you plan to use with SageTV, if any:

- tv **No Remote or External Setup** – If you do not plan to use a remote with SageTV, or if you plan to use a remote with a setup that is completely outside SageTV, then select this option. An externally configured remote might be one where the remote's receiver is used directly with Girder: It is configured to control SageTV, but SageTV itself does not control it in any way.
- tv **Hauppauge 34 Button Remote** – If you are using the older 34 button style Hauppauge remote with the Hauppauge IR receiver and software, select this option to have SageTV configure itself to respond properly to that remote. See: [SageTV Preconfigured 34 button Hauppauge Remote Control Commands](#). **Note:** Adding support for the Hauppauge remote must have been selected during [SageTV and SageTVClient Installation](#).
- tv **Hauppauge 45 Button Remote** – If you are using the newer 45 button style Hauppauge remote with the Hauppauge IR receiver and software, select this option to have SageTV configure itself to respond properly to that remote. See: [SageTV Preconfigured 45 button Hauppauge Remote Control Commands](#). **Note:** Adding support for the Hauppauge remote must have been selected during [SageTV and SageTVClient Installation](#).
- tv **StreamZap Remote** – If you are using the StreamZap remote and its software, select this option. See: [SageTV Preconfigured Streamzap Remote Control Commands](#). Note: SageTV does not directly control the StreamZap remote; this option simply lets SageTV know that remote is in use.
- tv **MCE Remote** – If you are using an MCE style remote, select this option to configure SageTV to directly recognize all the buttons for this type of remote.

- tv **USB-UIRT Receiver + Any Remote** – If you are using a USB-UIRT receiver directly through SageTV, select this option. SageTV will configure itself to control the USB-UIRT and receive commands via that device. In the next step, you will be asked to configure your remote by associating its buttons with your preferred SageTV commands.
- tv **Evation's IRMan Receiver + Any Remote** – If you are using an IRMan receiver directly through SageTV, select this option. You will then be asked which serial port (COM port) is being used by the IRMan. SageTV will configure itself to control the IRMan and receive commands via that device. In the next step, you will be asked to configure your remote by associating its buttons with your preferred SageTV commands.

### Step G14: Assign Remote Control Commands

If an IR receiver, such as the USB-UIRT or IRMan, was chosen to be controlled by SageTV in the previous step, you will be presented with a list of commands so that you can configure the buttons on your remote to control SageTV. For each button on your remote, decide which SageTV command to associate it with, then select that command from the list and teach the remote's button to SageTV. For more details, see: [Link Infrared/Keystroke to SageTV Command](#). The process is the same as the one described there.

### Step G15: Enable Intelligent Recording?

Choose whether to use SageTV's Intelligent Recording feature. See [SageTV Quick Start Guide: Intelligent Recordings](#) for details of how this works. For a completely new SageTV installation, you may want to wait a few weeks before enabling Intelligent Recording in order to build a viewing history that SageTV can refer to when deciding what shows to record for you. Or, you can enable it now and simply choose whether to watch any of the shows that get recorded.

- tv **No – Only record the shows I specifically ask for** – SageTV will only schedule recordings for shows that are Manual Recordings or Favorites.
- tv **Yes – Allow SageTV to schedule additional recordings** – During times when SageTV is not scheduled to record a Manual Recording or a Favorite, SageTV will be free to schedule recordings for shows that it thinks you may wish to watch.

### Step G16: Weather Report Configuration

Choose your location and units to be used when displaying your local weather conditions and 5-day forecast. (See the [Weather](#) menu.)

- tv **Configure the weather report location** – You will be asked to enter your zip code or city name, then SageTV will present a list of matching locations, if any are found. Choose the entry that is closest to your location.

- tv **Configure the weather report units** – Choose whether the weather units should be displayed using **English** (degrees Fahrenheit, miles per hour, etc.) or **Metric** (degrees Celsius, kilometers per hour, etc.) units.
- tv **Continue** – If using the [Configuration Wizard](#), continue to the next configuration step. If you arrived at this screen from the [Weather](#) menu, return to viewing your local weather conditions.

### Step G17: Set Parental Controls

Depending on whether Parental Controls are already enabled, some of the following options will be available:

- tv **Disable Parental Controls** – If parental controls are enabled, this option allows you to disable them.
- tv **Modify Parental Restrictions settings** – If parental controls are enabled, this option allows you to modify them, by proceeding to the next Configuration Wizard step.
- tv **Enable Parental Controls** – If parental controls are disabled, this option allows you to enable them.
- tv **Clear the Parental Lock Code** – If parental controls are disabled, this option allows you to clear the current Parental Lock Code. If you wish to change the current code, you could disable parental controls, clear the lock code, then enable the parental controls again – at which point you will be asked to enter a new lock code.
- tv **Continue Wizard, keeping the current settings** – Select this option if you want to continue using the current Parental Controls settings. If you are completing the entire Configuration Wizard, you will proceed to step 1 of [Configuration Wizard: Media Center Options](#). Otherwise, you will return to the home menu of the [Configuration Wizard](#).

Note that you will be asked to enter the Parental Lock Code where appropriate. For more details, see: [Parental Controls](#).

### Step G18: Set Parental Restrictions

If you chose to modify the parental restrictions in the previous step, the Configuration Wizard will continue with this menu, where you can do the following:

- tv **Modify Parental Restrictions** – A table of possible restrictions will be shown. Select those options that should be restricted. For more details, see [Parental Control Restrictions](#).

- tv **Return to Parental Controls** – Returns to the previous step, where you can set the overall Parental Controls options.
- tv **Continue Wizard** – Select this option to continue the rest of the wizard. If you are completing the entire Configuration Wizard, you will proceed to step 1 of [Configuration Wizard: Media Center Options](#). Otherwise, you will return to the home menu of the Configuration Wizard.

## Configuration Wizard: Media Center Options

This portion of the Configuration Wizard handles configuring the options pertaining to the imported media libraries and consists of the following steps:

### Step MC1: Configure the Media Center Import Directories

This menu is where you will configure SageTV's Media Center Import Directories, the locations where SageTV will search for media files that it will make available for playback or viewing in the [Video Browser](#), the [Photo Browser](#), or the [Music Browser](#).

SageTV can import and play several different music file formats and codec types. See Chapter 4's list of [Supported Media Types](#).

#### Existing Media Center Import Directories

The middle portion of the screen contains a scrollable list of the existing Media Center Import Directories and their current allowable imported media types. From this list, select:

- tv **Left side: Name of a Media Center Import Directory** – Select a directory name from the list to see an option to remove that directory from those that SageTV will scan for media to import. **Note:** No media files will be deleted from the computer's hard drive.
- tv **Right side: Media Type Selections** – Choose a button under a media type to enable or disable the importation of media files of that type from the associated media center import directory. You will be asked to confirm your choice if you are disabling a media type. **Note: If all media types are disabled for an import directory, that directory will be removed from the list.**

#### Add New Directory

Select this button to add a new Media Center Import Directory. Browse to the directory to be added and choose **Select Current**. For accessing network drives while using the SageTV service, see: [Accessing Network Drives with the SageTV Service](#).

After selecting a new directory, you will be asked to specify which media types are to be imported from the directory:

- tv **Import Videos** – Select this option to toggle between allowing Video files to be imported from the selected directory or not. The option is enabled when this button is checked.
- tv **Import Music** – Select this option to toggle between allowing Music files to be imported from the selected directory or not. The option is enabled when this button is checked.

- **Import Pictures** – Select this option to toggle between allowing Picture files to be imported from the selected directory or not. The option is enabled when this button is checked.
- **Done – Add the path** – Accept the import directory and the selected media types that may be imported from that location. The directory will be added to the list of Media Center Import Directories.
- **Cancel – Do not add this path** – Cancel the process of adding the new directory. The selected directory will not be added to the list of Media Center Import Directories.

### Continue

Select this button to tell the wizard to continue: If you are completing the entire Configuration Wizard, you will proceed to step 1 of [Configuration Wizard: Configure TV Recording](#). Otherwise, you will return to the home menu of the [Configuration Wizard](#).

## Configuration Wizard: Configure TV Recording

This portion of the Configuration Wizard handles configuring TV recording and proceeds through the following steps:

### Step R1: Set Analog Video Format

Select your video format: choose either NTSC or PAL.

### Step R2: Video Recording Directories

This menu is where you will configure SageTV's Video Recording Directories, where SageTV stores the recordings that it creates. SageTV supports the use of multiple folders on multiple drives as well as using mapped drives or UNC paths across a network, and will automatically handle determining which Video Recording Directory to use when making a recording; see: [Where to Store the Next Recording](#).

#### Existing Video Recording Directories

The middle portion of the screen contains a scrollable list of the existing Video Recording Directories and their current diskspace usage rules. From this list, select:

- tv **Left side: Name of a Video Directory** – Select a directory name from the list to see options to:

- o **Change the directory path** – To change the path, browse to the directory to be used and choose **Select Current**. It is recommended that you not specify more than one directory for each drive or partition being used to store SageTV recordings. For accessing network drives while using the SageTV service, see: [Accessing Network Drives with the SageTV Service](#).
- o **Remove this directory** – If you choose to remove the directory, SageTV will ask for confirmation before removing the directory from SageTV's list of Video Recording Directories. New recordings will no longer be stored in that directory. **Note:** The existing recordings that are already in that directory will remain and those recordings will still be listed in the [SageTV Recordings](#) menu. SageTV will not delete the directory or any files on your hard drive.
- o **Cancel** – Close the pop-up menu without changing anything.

- tv **Right side: Diskspace Usage Rule** – Select the current diskspace usage rule for a directory in order to modify its settings. From the resulting pop-up menu, you may:

- **Set the Diskspace Rule** – The current setting is displayed in a button next to this option. Choose the current setting’s button to change how the **Diskspace Size** setting (below) will be used:
  - **Use Only** – SageTV will use only the amount of space specified for this directory.
  - **Leave Free** – SageTV will leave the specified amount of disk space free.
  - **Use All** – All available disk space will be used; the **Diskspace Size** setting is ignored for this directory.

Note: When using the Use Only or the Leave Free settings, be sure the specified amount of disk space actually exists. For example: don’t tell SageTV to use 20GB of space or to leave 20GB free, if the drive only has 15GB available for SageTV to use when you create the new video directory.

- **Set the Diskspace Size** – Use the **Plus** and **Minus** signs to set the diskspace usage for this video directory. See the **Diskspace Rule** (above) to determine how this value will be used.
- **Accept this Rule** – Save the changes and close the pop-up menu.
- **Cancel** – Close the pop-up menu without changing anything.

### Add New Directory

Select this button to add a new Video Recording Directory. Browse to the directory to be added and choose **Select Current**. It is recommended that you not specify more than one video directory for each drive or partition being used to store SageTV recordings, otherwise SageTV could report that more space is available than there actually is when you view the [System Information](#) display. For accessing network drives while using the SageTV service, see: [Accessing Network Drives with the SageTV Service](#).

After selecting a new directory, you will be asked to define the Diskspace Usage Rule for the new directory. See directly above for a description of the options.

### Continue

Select this button to continue with the next step of the Configuration Wizard, or to return to Detailed Setup if that is how you arrived at this location.

### Step R3: Source Setup Wizard Introduction

Before configuring your capture devices, you will be shown a screen with basic instructions regarding how to proceed in the next step.

## Step R4: Source Wizard Summary

This step is really a multiple-part step consisting of the entire [Source Wizard Summary](#), where you will be able to edit any of your existing sources or add any new sources. (See the [Source Wizard Summary](#) for full details.)

When you have completed configuring all of your capture devices (sources), choose **Finish Source Setup**. If you are completing the entire Configuration Wizard, you will proceed to step 1 of [Configuration Wizard: Configure Video Playback](#). Otherwise, you will return to the home menu of the [Configuration Wizard](#).

## Configuration Wizard: Configure Video Playback

This portion of the Configuration Wizard handles configuring video playback settings. There is only a single step for this portion of the Configuration Wizard. The options for this screen are:

### Video Playback Setting

If the current setting is not **Custom**, use the < and > buttons to change the current playback configuration setting between these choices: **Basic**, **Medium**, **Standard**, and **Advanced**. As the option is changed, a synopsis of the current setting will be shown in the information display area at the top of the screen. If the video playback configuration has been changed in Detailed Setup to a setting that does not match one of the four listed above, the setting will be listed here as **Custom**.

### Test Video Playback: <status>

After choosing a **video playback setting**, select this option to test it. During the resulting full screen playback test, you will be asked whether playback is working properly on your system.

### Reset Video Playback Settings

If a custom playback setting has been set in Detailed Setup, this option will be available and may be used to reset the playback settings to **Medium**.

### Continue with the current Video Playback settings

When you are done configuring video playback, select this option to continue. If a test of the current video playback settings has either failed or not been run, you will be asked to confirm that you wish to continue anyway.

If you are completing the entire Configuration Wizard, you will now proceed to the [Main Menu](#). Otherwise, you will return to the home menu of the [Configuration Wizard](#).

## Source Wizard Summary

The **Source Wizard Summary** displays a list of the current recording sources and allows the addition of new sources. SageTV supports multiple recording sources, so all configured sources will be listed here.

Select the **Add New Source** button if you have another source to be configured. You will then proceed through the [Source Setup](#) to set up the new source.

When you have finished setup, select the **Finish Source Setup** button to return to the [Main Menu](#), or to continue the Configuration Wizard if that is currently active.

If you wish to see the details of one of the existing sources, select the desired source to go to [Source Details](#), where you can view and change its configuration details.

## Source Setup

The **Source Setup Wizard** is used to configure a new recording source for SageTV. Using the SageTV interface while going through the setup steps is the same as for the general SageTV menus. See [Using the SageTV Menu Interface](#) for more information.

SageTV is capable of using more than one recording source. Simply follow the step by step instructions provided below to configure one source at a time, until all sources have been configured.

Multiple sources can be configured to use the same or different Programming Guide Data providers, starting in [step 7](#), below -- not all capture devices have to use the same channel lineup. For example: you could have your local cable connected to one capture device and have a satellite service such as DirecTV connected to another device. Then, in the [Program Guide](#), you may see multiple entries with the same channel number, representing the fact that those multiple sources use the same channel number for different networks. Alternatively, if the same network is available on both sources, but on different channel numbers, that network may be listed only once using only one of those channel numbers. For example: CNN may be on both sources: as channel 6 on one and channel 25 on the other. The [Program Guide](#) will display CNN as channel 6 or 25, but not both; however, CNN will actually still be available from both sources on the proper channels. SageTV will internally track which channel belongs to each source. If all sources use the same channel lineup, all channels are listed only once.

**Note:** Be sure to have the SageTV computer connected to the internet before using the **Source Setup Wizard**. SageTV uses that connection to download information for the available TV services and to download the programming guide data, in order to have TV listings. If you are using a firewall, SageTV needs to be able to get through the firewall to download the EPG data via port 7760. That port may need to be opened in the firewall to allow SageTV through. See [Firewall Settings](#) for more port information.

### Step 1: Select Device

Choose which capture device to configure for the new recording source. Continue to [step 2A](#).

### Step 2A: Select Device Input

Choose the input type used by the selected device. (What capture device input is connected?) The choices presented here can change, depending on the capabilities of the device used as the source.

- tv **Component** – Continue to [step 3A](#).
- tv **Composite** – Continue to [step 3A](#).

- tv **S-Video** – Continue to [step 3A](#).
- tv **Digital TV Tuner** – Continue to [step 3B](#).
- tv **TV Tuner** – Continue to [step 3B](#).

Select an input to see a preview of the video from that input. Select it again to continue to the next step. **Note:** The video preview is not shown for digital tuners.

#### Notes:

- A) If the capture device is a software encoder, you will proceed to [step 2B](#) before continuing to step 3.
- B) The FM Radio input is not supported at this time.
- C) When configuring a DVB tuner, you will choose your region or provider before continuing to step 3.

### Step 2B: Select Audio Input

If the capture device is a software based encoder, then the audio input will need to be selected. After selecting one of the choices, it will be highlighted and a video preview will be displayed. Once the correct audio input has been selected, select it again to proceed to the section of step 3 decided by your choice in step 2A.

### Step 3A: Select the Component, Composite, or S-Video Tuning Option

Choose the tuning option for composite or s-video input types:

- tv **Use External Receiver** – Continue to [step 5](#).
- tv **Don't Configure Tuning** – Continue to [step 7](#).

### Step 3B: Select the TV Tuner Tuning Option

Choose the tuning option for a TV Tuner input type (options may vary depending on TV tuner type):

- tv **Use Tuner for Cable TV** – Continue to [step 7](#).
- tv **Use Tuner with Antenna** – Continue to [step 7](#).
- tv **Use External Receiver** – Continue to [step 4](#).
- tv **Don't Configure Tuning** – Continue to [step 4](#).

## Step 4: Choose the RF Channel

When using a TV Tuner on the capture device to connect to an external receiver, the capture device must know what channel to tune to in order to receive the external receiver's output. Enter the channel number here, then press Return.

- tv If you are using an external receiver, continue to [step 5](#).
- tv If you previously chose not to configure tuning, continue to [step 7](#).

## Step 5: Select the Tuning Plugin

When using an external receiver, SageTV needs a way to change the channels on that device. This is accomplished via either a serial connection directly to that device or by using an infrared emitter to send IR signals to it, just like its remote control would do.

Choose the tuning plugin:

- tv **DirecTV Serial Control** – Choose the COM port the receiver is connected to, then continue to [step 7](#).
- tv **USB-UIRT** – Continue to [step 6](#).
- tv **ACTiSYS IR200L** – Choose the COM port it is connected to, then continue to [step 6](#).
- tv **Other** – Other tuning plugins may be listed, depending on what is installed, such as the [Hauppauge IR Blaster](#) that comes with some new tuner cards. Select the appropriate plugin for your device and continue with the on-screen instructions.

## Step 6: Select the Cable Box or Satellite Receiver

If your receiver is listed here, select it and continue to [step 7](#).

If the receiver is not listed here, you will need to teach SageTV the infrared codes so that it can control the device. Choose **Add New Device** and then continue to [step 6A](#).

### Step 6A: Name the New Receiver Device

Name the new device that your IR tuning plugin will control. Simply type the name you wish to use and press Return. Continue to [step 6B](#). **Note:** Do not use any spaces in the name that is entered here.

## Step 6B: Teach SageTV the IR Codes from the Receiver's Remote Control

In order for SageTV to be able to control a new receiver device, it needs to be taught the codes from the receiver's IR remote control. Follow the instructions shown on the screen to teach SageTV the numbers 0 – 9 from the receiver's remote. When done, continue to [step 7](#).

SageTV displays a notification once a code has been successfully learned. If the IR code is not learned properly, SageTV will ask to try to relearn the code.

**Note:** For best results, make sure the remote is using fresh batteries and hold it just a few inches away from IR transceiver. Push and hold the button down until SageTV acknowledges that the code has been learned.

**Note:** Due to some problems with the Actisys IR-200L driver, you may notice a crash in SageTV when setting up a new device. This is outside of our control and we are limited by the third party nature of this driver. Please be patient and try again after restarting SageTV.

## Step 7: Choose Whether to use Programming Guide Data

Choose whether to have SageTV automatically download TV programming guide data for this source:

- Use US, Canada, or XMLTV Guide Data** – Continue to [step 8](#).
- Use tvtv Services Guide Data** – Follow the on-screen instructions for entering your tvtv account details and continue to [Step 10](#).
- Do Not Use Programming Guide Data** – Continue to [Step 10](#).
- Use or Copy an Existing Channel Lineup for this Source** – An existing lineup already in use by another tuner may be selected for use with this tuner, or the lineup may be copied to a separately configurable lineup for this tuner. This selection will complete the setup of this source.

**Note:** For more information regarding using the XMLTV plugin for programming data, see our website at [sagetv.com/configuration.html](http://sagetv.com/configuration.html).

## Step 8: Select Provider Type

Choose the provider type for the programming guide data:

- Cable or Satellite** – If connecting to a cable or satellite input, continue to [step 9A](#).
- Local Broadcast** – If the TV signal is received “Over-The-Air”, continue to [step 9B](#).

### Step 9A: Select Cable or Satellite Provider (Part 1: Zip/Postal Code)

Enter your zip or postal code so that SageTV can find providers for your area. If you have previously entered a zip or postal code, you can either select that one or enter a new one. **Note:** For Canadian postal codes, use the **Pause** command (Ctrl+S) on your remote to switch the display to enter text via the displayed number pad.

### Step 9A: Select Cable or Satellite Provider (Part 2: Select Provider)

From the zip or postal code previously entered, SageTV downloads a list of cable and satellite providers for your area. Scroll through the list and select your provider. If your provider is not listed, use the Left arrow to return to the previous step and try using a different zip code that is nearby.

If the selected provider is already in use by another tuner, you will be asked whether to use the same channels as other sources using that lineup, or to copy the channels to a new lineup where separate channels can be enabled & disabled. If the same channels are used, source setup will continue to the next step, otherwise the channels will be copied to a new lineup for the tuner being configured and source setup will continue to [Step 10](#).

### Step 9A: Select Cable or Satellite Provider (Part 3: Select Service Level)

Select the service level, either **Basic Service** or **Extended Basic Service**, that most closely matches the service you subscribe to from your provider. If you don't know what service you subscribe to, select **Extended Basic Service** for a complete channel lineup.

Continue to [Step 10](#).

### Step 9B: Select Local Broadcast Market

If you are receiving your TV signal "Over-The-Air", select your local broadcast market. Scroll through the list of areas and select the one that best describes the area from which you receive your broadcast stations.

If the selected local lineup is already in use by another tuner, you will be asked whether to use the same channels as other sources using that lineup, or to copy the channels to a new lineup where separate channels can be enabled & disabled.

Continue to [Step 10](#).

**Note:** If the local broadcast market is not listed for a Canadian location, return to [step 8](#), choose **Cable or Satellite** as the provider type, enter your postal code in [step 9A](#), then see if your local area is listed.

## Step 10: Choose the Channels to Receive

At this point, you will enter the [Channel Setup](#) menu, where you can manage the channel lineup used by the source being configured. You can choose which channels are enabled, scan for available channels, remap channels, and so on. For complete details, see [Channel Setup](#).

When entering the [Channel Setup](#) menu while configuring a new digital TV tuner, you will be asked to start the recommended channel scan. All digital TV tuners need to perform a channel scan in order to make sure they can properly tune the enabled channels on their lineup.

When you are done, select **Done with Channel Setup**.

You have now completed the [Source Setup](#) for this source and will be returned to the [Source Wizard Summary](#), where you can either add another source or complete the setup process and continue using SageTV.

## Source Details

From the **Source Details** menu, it is possible to view the status of a source, calibrate it, and change its configuration. The available options on the left are:

**Channel Setup** – Go to [Channel Setup](#) to view and change the list of enabled channels for the lineup associated with this source. Changing the channels in the lineup will affect all sources that use the same lineup.

**Color Calibration** – This option is available only for local sources; it is not available for Network Encoders, nor is it available for Digital TV Tuners and certain other sources. SageTV will begin playback of the last tuned channel with the color calibration options displayed over the image. The brightness, contrast, saturation, hue, and sharpness or audio level settings can all be configured, with any changes appearing on screen within a few seconds after a setting is changed. Due to this slight delay between making a change and seeing its results, please wait a short time between adjustments. The on-screen choices are:

- tv **Minus/Plus signs** – Decreases/Increases the value for the adjacent setting.
- tv **Revert** – Restore a setting to its value when the current calibration session was initiated.
- tv **Default** – Restore a setting to its default value, regardless of what it was when the current calibration session was initiated.
- tv **Done** – Finish calibration and return to the **Source Details** menu.

**tv** **Status** – This option will only be available when using tv guide data for the current source. Select it to see the tv guide account status information display.

**DVB Region or Provider** – This option will only be available when using a DVB tuner for the current source. Select it to choose from a list of available regions or providers.

**Remove Source** – If you no longer wish to use a recording source, use this option to delete it. SageTV will ask for confirmation before deleting the source.

**Back to Summary** – Return to the [Source Wizard Summary](#).

## Source Options

In addition to the above menu items, the following configuration options may be available on the right hand side of the screen, depending on the configuration of the source. (Use the **Right** arrow to navigate to these items from the menu list and **Select** one, or just left-click any of them.)

**Input Type** – A pop-up menu will appear with a list of available choices for this source's input type. The list of available inputs can change, depending on the capabilities of the device used as the source. If a source has been configured to be able to connect to an external receiver via a specific channel on the tuner, that option is added to the list. To exit this pop-up menu without

making any changes, use the **Options** command (default: Ctrl+O; Escape; or right-click with the mouse).

**RF Channel** – If the **Input Type** is set to use the tuner on a specific channel to receive its input from an external receiver, you will be able to change that channel here. Type in the channel number that the external receiver is set to use for its output and press Return.

**Cable/Antenna** – Toggles whether the source is configured to use a cable input or an antenna input.

**EPG Lineup** – Jumps to the [Setup Wizard: Step 7](#), where you can change the lineup that this source is configured to use. **Note:** When the new lineup configuration is done, you will be returned to the [Source Wizard Summary](#).

**Tuner Control** – This option is available when the source has been configured to use an IR tuning plugin to control an external receiver in [Setup Wizard: Step 5](#). A pop-up menu will appear with these options:

- tv **Change Tuning Device** – Displays a pop-up menu with a scrollable list of tuning devices that may be used with the tuning plugin selected in [step 5](#) of Source Setup. Either select the name of a device to use or choose **Cancel** to close the pop-up menu without making a change.
- tv **Test Infrared Code** – Displays a pop-up menu with a scrollable list of all the infrared codes that may be used. Select any code to test it to see if it is correctly received by the external receiver. When done, choose the **Close** list entry, or use the **Options** command.
- tv **Reprogram Infrared Code** – Displays a pop-up menu that is similar to the one for testing the codes. Select any code you wish to reprogram. You will see an on-screen prompt for reprogramming that code. When done with all codes needing to be reprogrammed, choose the **Close** list entry, or use the **Options** command.

**Note:** For best results, make sure the remote is using fresh batteries and hold it just a few inches away from IR transceiver. Push and hold the button down until SageTV acknowledges that the code has been learned.
- tv **Learn New Command** – Additional infrared commands can be learned by using this option. In the pop-up dialog, type the name of the new IR command and press Return. You will then proceed through the process of teaching the code to SageTV, as shown above.
- tv **Remote Control Options** – Another pop-up menu will appear with options for configuring how SageTV will use the IR transmitter to control the external receiver. See the [Remote Control Options](#) dialog for details, below.

- tv **Close** – Closes the pop-up menu. The **Options** command may also be used to close this menu.

**Audio Input** – If the tuner captures audio separately from the video (most software encoder devices), this option will be available. Select it to change the audio input source, then select the audio input from the pop-up menu that lists the available inputs.

## Remote Control Options

By choosing the **Remote Control Options** menu item from the **Tuner Control** pop-up menu, you may configure additional options for how SageTV uses the IR transmitting device to control an external receiver.

- tv **Digits per Channel** – Specifies the number of digits that SageTV will transmit to change to a new channel. Type in the number and press Return in the pop-up dialog. Example: If you enter 3 for the number of digits, then when changing to channel 7, SageTV will send “007”. Use 0 to transmit the actual number of digits in the channel number. Example: When changing to channel 7, SageTV will send “7”.
- tv **Channel Change Prefix Code** – Tells SageTV to always transmit the specified code before transmitting the digits for a channel change. A pop-up menu with all the IR codes will be displayed. Choose one to use as the prefix code, or choose **None** to close the pop-up without selecting a code. The **Options** command will also close the pop-up without making a selection.
- tv **Channel Change Confirm Code** – Tells SageTV to always transmit the specified code after transmitting the digits for a channel change. A pop-up menu with all the IR codes will be displayed. Choose one to use as the confirm code, or choose **None** to close the pop-up without selecting a code. The **Options** command will also close the pop-up without making a selection.
- tv **Delay Between Codes** – Tells SageTV how much time to delay between IR code transmissions. Type the number of milliseconds to delay between transmissions and press Return. (There are 1000 milliseconds in 1 second.) Use the **Options** command to close the dialog without changing the current setting.
- tv **Delay Between Channel Changes** – Tells SageTV how much time to delay between each channel change. Type the number of milliseconds to delay between channel changes and press Return. (There are 1000 milliseconds in 1 second.) Use the **Options** command to close the dialog without changing the current setting.
- tv **IR Blaster Repeat Factor** – Tells SageTV how many times to repeat the IR code being sent.
- tv **Close** – Closes the pop-up menu. The **Options** command may also be used to close this menu.

## Channel Setup

**Channel Setup** and the related [Remap Channel](#), [Add Channel to Lineup](#), [Channel Scan Results](#), and [Channel Manager](#) menus provide the tools used to manage a channel lineup.

### Notes:

- tv The list of enabled or disabled channels is linked to a channel lineup, not a capture device source, so if multiple sources use the same lineup, changing which channels are enabled in the lineup will affect all sources using that lineup. If you wish to enable/disable a different set of channels, then choose to copy an existing lineup in [Setup Wizard: Step 7](#), where you begin choosing the EPG lineup for a source.
- tv If the channel lineup is associated with a digital tuner, then a signal strength meter will be shown below the description area while a channel is being previewed. The signal strength display will be updated every few seconds.
- tv When entering the Channel Setup menu while configuring a new digital TV tuner, you will be asked to start the recommended channel scan. All digital TV tuners need to perform a channel scan in order to make sure they can properly tune the enabled channels on their lineup.
- tv To edit which channels are enabled on multiple lineups at one time, use the [Channel Manager](#) menu, accessed from the [Program Guide](#) menu.

**Tip:** Any changes made to the channel lineup will force SageTV to go online to refresh the programming data. Thus, if you wish to have SageTV update the channel listings in the [Program Guide](#), simply toggle any channel twice so that its enabled/disabled status is set back to its original value and then select **Done with Channel Setup**.

The first few items shown on this menu are options for managing the lineup. Those options are followed by a list of all the channels that are part of the lineup.

The options at the start of the list include:

### Done with Channel Setup

When **Channel Setup** is complete, highlight this entry in the list and **Select** it. You will be returned to [Source Details](#), unless you are in the middle of the [Source Setup](#), in which case you will be returned to the [Source Wizard Summary](#), instead.

## Edit Channel Lineup

Highlight this option to access the sub-options that will shown on the right side of the menu:

- tv **Clear all Remapped Channels** – Use this option to clear all remapped channels on this lineup. **Note:** Clearing remapped channels will also remove any manually added channels and certain channels added during a digital tuner channel scan.
- tv **Enable All Channels** – Enable every channel in the lineup, after confirming the action.
- tv **Disable All Channels** – Disable every channel in the lineup, after confirming the action.
- tv **Add Channel to Lineup** – Use this option to add a channel to the lineup, if it isn't already part of the lineup. If the desired channel exists on another lineup, then consider remapping the desired station to a channel on this lineup, described further below. Selecting this option will jump to the [Add Channel to Lineup](#) menu. **Note:** To remove an added channel, select its **Remap this Channel** button and use the **Delete** command while highlighting its Logical Channel button in order to reset its logical channel number. The channel will be removed from the lineup and will be removed from the database during the next EPG update, if the channel is not referenced by other database objects such as recordings or past airings.

## Channel Sorting Method

Highlight this option to see the channel sorting options listed to the right. You may choose to sort the channel list by **Channel Number**, **Channel Name**, or **Channel Description**. The enabled channels can be placed at the front of the list by checking the **List Enabled Channel First** option. **Tip:** The sorting method can be changed from anywhere in the channel list via the **Options** command.

## Scan for Available Channels

The option to scan for available channels is available for digital and analog TV tuners which are not tuned using an external converter box. When this option is highlighted, the right side of the screen will display when the last scan was performed and offer options to **Scan for available channels now** and, if a scan has already been performed for the tuner, an option to **View modified channels from the last scan results**.

Selecting **Scan for available channels now** opens a dialog with these options:

- tv **Start a Full Channel Scan** – Perform a full channel scan, which remaps channels to match the scan data, enables all found channels, and disables all non-tunable channels. This type of scan can be performed at any time, but should be used when the tuner is first being configured and at any time when you believe that many channels have changed.

- tv **Start an Update Channel Scan** – Perform an update channel scan, which tries to preserve existing channel mappings and tries not to enable or disable existing channels. This type of scan should be performed only after a full channel scan has been performed and you believe that most channels have not changed.
- tv **Skip Encrypted Channels** – Available only for DVB tuners. Before choosing the scan type to perform, check this option if the channel scan should ignore channels marked as encrypted.

During a channel scan, SageTV will scan through all channels to automatically determine which channels can be received. If the tuner is not a digital TV tuner, you will see a preview window of each channel as it is scanned. While the scan is being performed, a pop-up dialog will show the scan progress. Select the **Stop** button to cancel the scan. **Note:** After scanning using a digital tuner, it may be necessary to remap stations to match a found channel with its EPG data; see below and the [Remap Channel](#) menu..

After the channel scan completes, if any channel modifications were found by the scan, they results will be shown on the [Channel Scan Results](#) menu.

## Channel List

Below the general options is a list of the available channels where you can enable or disable any channel, depending on whether you can actually receive, or want to receive, that channel. If a channel has a green dot next to it, it is enabled, listed in the [Program Guide](#), and may be used by SageTV to record TV shows. Channels without green dots are not enabled and are not used by SageTV. To toggle an individual channel's enabled/disabled state, highlight the desired channel and **Select** it by pressing Return or left-clicking it with the mouse or use the **Don't Like** command.

When a channel item is highlighted, the right side of the menu will display the channel's details and options to:

- tv **Remap this Channel** – If you want to remap a channel's station, logical channel number, or physical channel number, select this option to jump to the [Remap Channel](#) menu.

**Notes:**

- o The **logical** channel number only affects the number SageTV displays in places such as the [Program Guide](#). The logical number can be set to any number without affecting SageTV's ability to tune the channel.
- o The **physical** channel number is the number that SageTV uses when tuning a channel. The physical channel number must be the correct number, or else SageTV may not be able to tune the channel properly, so it cannot be set to any desired value.
- o Digital TV tuners often need to have each channel's station and/or physical channel number remapped in order to tune a channel properly. The channel scan

should automatically determine the physical channel number, but the station may need manual correction.

- The station ID shown in the channel details area can be used to tell whether SageTV may be able to automatically receive EPG listings from Zap2it for that channel. If the ID is greater than or equal to 10,000, the ID is in the Zap2it range. If the ID is below 10,000, the station may need to be remapped in order to receive EPG listings for the channel.

- tv **Preview this Channel** – Select this option, or use the **Play** command, to start a preview of the currently highlighted channel. Use the **Stop** command to stop playback of the preview. The preview should remain active while using the Channel Setup related menus, but will automatically stop when jumping to a different menu.

## Channel Setup Options

Use the **Options** command to open this menu's options dialog, with these options affecting this menu:

- tv **Channel Sorting Method** – Choose to sort the channel list by **Channel Number**, **Channel Name**, or **Channel Description**. The enabled channels can be placed at the front of the list by checking the **List Enabled Channel First** option. This sorting option affects how channels are listed on this menu and the channel order used on the **Remap Channel** menu.
- tv **Automatically Enable Channels Newly Added to EPG Lineups** – Choose whether channels that have been added to an EPG lineup are automatically enabled or not. The option is initially enabled, but you may wish to disable it if new channels are often not viewable on your system. This option is also available in **Detailed Setup: Customize Settings**.

## Remapping Stations for EPG data using ATSC or QAM Digital Tuners

SageTV is often not able to automatically determine the Zap2it station call letters when configuring an ATSC or QAM digital tuner source. When this happens, the **Program Guide** may either contain No Data for some channels or it may list EPG data only for the next couple days from the broadcast stream. While configuring these channels, you should highlight the channel in Channel Setup, choose **Remap this Channel**, then remap the station, choosing the station name that matches the listings for your lineup on the Zap2it website. See the **Remap Channel** menu for details. Example: a scan might find WCBS-DT, but the actual Zap2it name for the channel is WCBSDT, so WCBSDT may need to be selected from the list of stations when remapping the station. Zap2it stations have IDs greater than or equal to 10,000.

When configuring the **SiliconDust HDHomeRun** (HDHR) on a Windows PC for QAM tuning, channel setup includes first using SiliconDust's channel editor to scan and remap channels.

SageTV can then use that data to automatically remap the QAM channels for an HDHR tuner. For ATSC tuning, the HDHR scans for channels in SageTV just like any other digital ATSC tuner. This setup process is kept up to date in the hardware section of the SageTV forums:  
<http://forums.sagetv.com/forums/forumdisplay.php?f=9>

The topic titled “Tuner Configuration Tips & Instructions” links to the HDHR instructions and to tips about configuring other tuners:

<http://forums.sagetv.com/forums/showthread.php?t=35004>

## Remap Channel

The **Remap Channel** menu is used to remap the station, logical channel number, or physical channel number for a channel.

The left side of the menu contains the main options for remapping the station or channel numbers:

- tv **Remap Station** – When this option is highlighted, the list of all stations in the database are listed to the right. Select the station that should be associated with the channel being remapped. **Tips:** The station list sorting method is configurable by using the [Options](#) command; see below for more details about the station sorting options. When any station is highlighted, enter letters or numbers to jump to the station name, number, or show that starts with that letter or number. The currently highlighted station's ID and EPG information are listed above the station list. IDs greater than or equal to 10,000 are in the range provided by Zap2it; those station may have downloadable EPG data available.
- tv **Remap Channel #** – When this option is highlighted, the following options are available to the right:
  - **Enabled** – Select this option to enable or disable the channel on this lineup. The channel is enabled if this option is checked.
  - **Logical Chan #** – Select this option to enter a new logical channel number, which is the number SageTV displays in places such as the [Program Guide](#).
  - **Physical Chan #** – Select this option to enter a new physical channel number, if it is different from the logical number. The physical channel number is the number that SageTV uses when tuning a channel. If this value is incorrect, SageTV will not be able to tune the channel. For more information about remapping digital channels, see [Remapping Channels for Digital Tuners](#).

Use the [Delete](#) command to reset the logical or physical channel numbers while those options are highlighted. If the channel was previously added to the lineup, then resetting its logical number will cause the channel to be removed from the lineup and it will be removed from the database during the next EPG update, if the channel is not referenced by other database objects such as recordings or past airings.

Along the bottom of the screen are the following options:

- tv **Exit** – Exit the menu and return to the previous menu.
- tv < **Chan** – When available, use this button to go to the previous channel in the lineup's list of channels. The [Smooth Rew](#) or [Skip Bkwd #2](#) commands may be used as shortcuts.

- tv > **Chan** – When available, use this button to go to the next channel in the lineup’s list of channels. The **Smooth FF** or **Skip Fwd #2** commands may be used as shortcuts.
- tv **Preview** – Use this button, or the **Play** command, to start a preview of the current channel. Use the **Stop** command to stop playback of the preview. The preview should remain active while using the Channel Setup related menus, but will automatically stop when jumping to a different menu.
- tv  – Use this button, or the **Options** command, to open this menu’s options dialog. See [Channel Remapping Options](#), below.

## Channel Remapping Options

Use the  button or the **Options** command to open this menu’s options dialog, with these options affecting this menu:

- tv **Channel Sorting Method** – Choose to sort the current lineup’s channel list by **Channel Number**, **Channel Name**, or **Channel Description**. The enabled channels can be placed at the front of the list by checking the **List Enabled Channel First** option. This sorting option will affect movement to the next and previous channels and also affects the sort order on the [Channel Setup](#) menu.
- tv **Station List Sorting Method** – Choose whether the station list on the right side of the screen is sorted by the **Currently Airing Show Title**, **Channel Number**, or **Station Name**. **Tip:** While a preview is active, if you recognize the show being played, sort the station list by the currently airing show title. If EPG data is available for the highlighted station, the currently airing show will be displayed above the station list.
- tv **Include stations with no EPG data access** – This option is only available when using SageTV’s built-in EPG data provided by Zap2it. When this option is checked, then all stations are included in the station list. When it is not checked, then stations that do not have Zap2it IDs are filtered out of the list. (Zap2it IDs are those greater than or equal to 10,000.)

## Remapping Channels for Digital Tuners

When configuring a digital tuner source, Channel Setup will first perform a channel scan. The scan results will be saved as a table in a .FRQ file in the SageTV installation directory, such as “FusionHDTV, Transport Stream Capture-0.frq”. The information found in this table is what SageTV uses for digital channel tuning and can be used as a reference when remapping digital channels.

When remapping a digital channel, in many cases the physical channel remapping can simply be set to the channel index number for the desired channel. This number matches the “ch:index” field, or the first number on a line in the .frq file, and is valid for ATSC, QAM, DVB-C, DVB-S, and DVB-T.

ATSC and QAM physical channels can alternatively be specified by entering a channel number in the “major-minor” format. The major number is the call sign number of the station in the USA and the minor number is the sub channel. The two numbers are entered with a dash between them, such as “58-2”.

The above two cases are the usual methods of remapping digital channels. More advanced remapping methods are listed below. If further help is needed for such remappings, contact SageTV technical support ([www.sagetv.com/support.html](http://www.sagetv.com/support.html)) or talk to other users on the SageTV online forums ([forums.sagetv.com/forums](http://forums.sagetv.com/forums)).

For ATSC or QAM, 3 numbers separated by dashes: “physical channel number-major number-minor number”. Tuning using this method is independent of the channel scan table file listed above.

For DVB-C or DVB-T, 3 numbers separated by dashes: “ONID-SID-TSID”. ONID is the original network ID, SID is the service ID, and TSID is the transport stream ID. The ONID, SID, and TSID values can be found via third party channel scanning utilities or public information found on the internet for the station. Tuning using this method is independent of the channel scan table file listed above.

For DVB-C or DVB-T, 4 numbers separated by dashes: “ONID-SID-TSID-index”. ONID is the original network ID, SID is the service ID, and TSID is the transport stream ID. The ‘index’ value is the index of the channel in the channel scan table. If the index is a valid index entry in the FRQ file and the table’s ‘control bits’ field is 1 for that index, then the scan table information is used to tune the channel; otherwise, the “ONID-SID-TSID” values are used for tuning. The ONID, SID, and TSID values can be found via third party channel scanning utilities or public information found on the internet for the station.

## Add Channel to Lineup

This menu is accessed from the [Channel Setup](#) menu and is used to manually add a new channel to a lineup by filling in the following fields:

- tv **Station Name** – Enter the call sign of the new channel. This is the station name, as is usually used for TV listings.
- tv **Station ID** – If you know the station ID, enter it here, or leave this field blank if you do not know the ID. If you know the Zap2it ID for the station, use that value so that SageTV can automatically download EPG listings for the channel, if SageTV has access to the channel's listings. **Note:** SageTV may not be able to download listings for channels that are over-the-air only, but listings should be available for any channel that Zap2it includes as part of any cable or satellite lineup.
- tv **Logical (Guide) Channel Number** – Enter the logical channel number, which is the number SageTV displays in places such as the [Program Guide](#).
- tv **Physical (Tuning) Channel Number** – If the physical number is different from the logical number, enter it here. The physical channel number is the number that SageTV uses when tuning a channel. If this value is incorrect, SageTV will not be able to tune the channel.

After entering the new channel information, choose from the following options along the bottom of the screen:

- tv **Cancel** – Cancel the new channel addition and return to the previous menu.
- tv **Add – Done** – Add the new channel and return to the previous menu.
- tv **Add – Again** – Add the new channel, reset the fields, and remain on this menu so that another channel can be added.
- tv **Reset** – Reset all the new channel entry fields and start over.

### Notes:

If you know the station ID, enter that value first. If the ID matches an existing channel in the database, its information will be entered into the other fields. You can add channels from other lineups to the current lineup this way, or even edit existing channels.

If the name of an existing channel is entered, its information will be entered into the other fields.

To remove an added channel from a lineup, highlight its entry on the [Channel Setup](#) menu, then choose to remap it. On the [Remap Channel](#) menu, highlight its logical channel number and reset it by using the [Delete](#) command to reset the logical channel number mapping. The channel will be removed from the lineup and will be removed from the database during the next EPG update, if the channel is not referenced by other database objects such as recordings or past airings.

## Channel Scan Results

After performing a channel scan on the [Channel Setup](#) menu, the list of channels modified as a result of the scan can be reviewed on this menu. After reviewing the modified channels, use the **Back** command or select **Done Reviewing Scan**.

When a channel scan result item is highlighted, the channel's details will be displayed to the right, along with the following selectable options:

- tv **Enabled** – Select this option to enable or disable the channel on this lineup. The channel is enabled if this option is checked.
- tv **Remap this Channel** – If you want to remap a channel's station, logical channel number or physical channel number, select this option to jump to the [Remap Channel](#) menu.
- tv **Preview this Channel** – Select this option, or use the [Play](#) command, to start a preview of the currently highlighted channel. Use the [Stop](#) command to stop playback of the preview. The preview should remain active while using the Channel Setup related menus, but will automatically stop when jumping to a different menu.

Selecting the scan result item will display a pop-up dialog with the following possible options, where applicable:

- tv **Enable Channel** – This is an alternate way to choose whether the channel is enabled. The channel is enabled if this option is checked.
- tv **Clear Remapped Channel** – Use this option to clear all of the channel's remappings. **Note:** this could result in the channel being removed from the lineup if it was previously added to the lineup.
- tv **Map Logical (Guide) # from X to Y** – Map the logical channel number from one value to the other.
- tv **Map Physical (Tuning) # from X to Y** – Map the physical channel number from one value to the other. **Note:** Mapping the physical channel number to the wrong value can result in SageTV not being able to tune the channel. You may want to preview the channel before and/or after choosing to remap the physical number.
- tv **Remap this Channel** – Select this option to jump to the [Remap Channel](#) menu.
- tv **Close** – Exit the dialog.

## Channel Manager

The Channel Manager lists all available channels on all channel lineups to allow choosing which lineups have each channel enabled, instead of editing each individual lineup in [Channel Setup](#) in order to enable or disable channels. In addition, the logical channel numbers (the numbers shown in the guide grid) can be remapped. This menu is accessed via the [Options](#) command on the [Program Guide](#) menu.

The left side contains some actions that can be performed:

- tv **Sort by: <Sort Style>** – Toggles whether the list of Channels is sorted by **Number** (default) or **Name**.
- tv **Reverse order: Yes/No** – Toggled whether the channel list is sorted in reverse order.
- tv **Back** – Return to the previous menu.

The right side of the screen contains the list of all channels, sorted by the selected Sort option and order. Each channel item display's the channel number, name, description (when available), and how many lineups contain the channel. Enabled channels have a checkmark icon next to them, are shown in the [Program Guide](#), and may be used by SageTV when scheduling recordings. Disabled channels do not have a marker, are not shown in the guide, and are not used for recording.

Select a **channel item** or use the [Don't Like](#) command on it in order to enable or disable it. If the channel is available only on a single lineup, then the channel will toggle between enabled and disabled. If the channel is available on multiple lineups, then a dialog will be shown where you can choose **Enable on All Lineups**, **Disable on All Lineups**, or choose each individual lineup where you want it to be enabled or disabled.

Select the **Remap** button to the right of a channel item to remap that channel's logical number. The logical channel number only affects the number SageTV displays in places such as the [Program Guide](#). The logical number can be set to any number without affecting SageTV's ability to tune the channel.

## Parental Controls

The **Parental Controls** options can be used to prevent others from watching selected types of shows unless they know the lock code. Initially, SageTV's **Parental Controls** menu displays the controls as disabled. Once the controls are enabled, the options on this menu will change accordingly.

The choices on this menu are:

**ENABLE Parental Controls** – Available when parental controls are disabled, this option enables the controls. If a lock code has not been previously entered, SageTV will ask for a new lock code and for confirmation of that code. When presented with the pop-up dialog, type in the desired lock code and press Return. SageTV will not show what you type, but will display asterisks for each character typed. Enter the code a second time to confirm it. If the second entry does not match the first, SageTV will not accept the new lock code.

**DISABLE Parental Controls** – Available when parental controls are enabled, this option disables the controls. Any restrictions that were previously set will be retained, but no lock code will need to be entered to watch shows that are restricted.

**Change Parental Lock Code** – Use this option to change the lock code. Changing the lock code also causes the parental controls to be enabled. As with **ENABLE Parental Controls**, above, you will be asked to enter the new lock code twice to confirm it. If the second entry does not match the first, SageTV will not accept the new lock code.

**Clear Parental Lock Code** – Available when a lock code has already been entered and parental controls are disabled, use this option to clear the current lock code. If you later decide to enable the parental controls again, you will need to enter a new lock code.

**Modify Parental Restrictions** – Go to the [Parental Control Restrictions](#) menu, where you can specify which types of shows require the entry of the lock code before they can be watched. The restrictions can be configured regardless of whether the parental controls are enabled or not, but will only be used when the controls are enabled.

**Back to Main Menu** – Return to the [Main Menu](#).

## Parental Control Restrictions

Parent Menu: [Parental Controls](#).

The Parental Control Restrictions menu is used to configure SageTV to ask for the parental control lock code when attempting to play media that matches the restrictions and to control access to some setup menus.

Use the arrow keys to highlight any criteria and use **Select** to turn that criteria on. Or, simply left-click on the desired criteria. This screen displays a marked checkbox next to all the restrictions that have been set.

If [Parental Controls](#) have been enabled, attempting to watch a recording that meets any of the chosen criteria or enter any of the protected setup menus will require the entry of the lock code before SageTV will play the recording or enter the setup menu. If the correct lock code is entered, then SageTV will begin playback of the recording or enter the setup menu.

If the wrong lock code is entered, SageTV will display a notification that the lock code was incorrect and will also display a playback error due to the parental code check having failed.

## Detailed Setup: General Settings

From the **General Settings** configuration menu, you can reach the other setup options by highlighting **Multimedia**, **Video/Audio**, **DVD**, **Commands**, **Server**, **Advanced**, or **Customize** in the right-hand column.

Highlight any setup subject in the left-hand column to view its options, or choose **Main Menu** to return to the [Main Menu](#).

On the right-hand column, highlight an option's setting to see its description at the bottom of the screen. **Select** the setting to change its option.

The **General Settings** are:

### Video Recording Directories

The Video Recording Directories are where SageTV stores the recordings that it creates. SageTV supports the use of multiple folders on multiple drives as well as using mapped drives or UNC paths across a network, and will automatically handle determining which Video Directory to use when making a recording; see the next option, below. Choose modify to go to the Configuration Wizard step for editing the [Video Recording Directories](#), where you will see a list of existing Video Recording Directories and to be able to add or remove directories. When you are done on that menu, you will be returned to Detailed Setup.

### Video Recording Path Optimization Style

Choose the method SageTV will use when determining where to store a new recording. Select one of these options:

- tv **Optimize for Space** – Choose a recording path by selecting the recording directory with the most available free space. This is the default option.
- tv **Optimize for Bandwidth** – Choose a recording path by trying to spread simultaneous recordings between multiple recording directories so that all current recordings aren't being written to the same hard drive at once. Consider trying this setting if you have many recording devices and want to try reducing the bandwidth required by a hard drive when recording many airings at once. **Note:** When optimizing for bandwidth and there is not enough free space for a new recording, SageTV may delete recordings that are the lowest priority in the recording directory it selects to store the new recording, but the deleted recordings may not be the lowest priority of all existing recordings.

Also see: [Where to Store the Next Recording](#).

## Media Center Import Directories

The Media Center Import Directories are used to tell SageTV where to find already-existing media files on your computer, such as videos, music files, and pictures. SageTV supports the use of multiple folders on multiple drives as well as using mapped drives or UNC paths across a network. Choose modify to go to the Configuration Wizard step for editing the [Media Center Import Directories](#), where you will see a list of existing Media Center Import Directories and to be able to add or remove directories. When you are done on that menu, you will be returned to Detailed Setup.

## Automatic Library Rescan Frequency

Set the delay time, in hours, before SageTV automatically rescans the [Media Center Import Directories](#) for new imported media again. Set this value to 0 in order to only rescan at startup or when manually initiated.

## Intelligent Recording

Enable this option to begin using SageTV's Intelligent Recording feature. See [SageTV Quick Start Guide: Intelligent Recordings](#) for details of how this works.

**Note:** When Intelligent Recording is disabled, live TV recordings will be automatically deleted shortly after the show's airing has completed and you have stopped watching it. This auto-deletion of live TV will not affect shows that have been scheduled to record, whether you watch them live or not. (See [Automatic Cleanup of Live TV](#).) However, disabling the Intelligent Recording feature will not delete all the existing Intelligent Recordings.

## Autodial if Needed for Internet

Enable this option if SageTV should try to establish a dial-up connection when an Internet connection is needed to update the programming guide information. If you are using an always-on type of connection, or if you wish to control all access to the internet, leave this option disabled.

## Sync System Clock with SageTV Server

Enable this feature if you want to synchronize your PC system clock with the SageTV server. This is highly recommended because the SageTV server is synchronized with the US Military Atomic clock for accuracy. If you have already configured such an atomic clock synchronization utility on your computer, enabling this option isn't needed.

**Note:** While this will ensure that your PC system clock is set to the correct time, TV stations' clocks may still be set differently. To make sure your Favorites and Manual Recordings record an entire show, you may wish to consider using padding on some of your recordings, particularly those aired on stations that regularly begin shows early or end them late. See [Record Options](#) for Manual Recordings and [Start Padding and Stop Padding](#) for Favorites.

## Animation Options

Choose settings for the various animation options:

- tv **Animation system** – Choose whether to enable or disable the animation system. This setting will determine whether additional animation options described below are displayed.
- tv **Menu transitions** – Controls whether the menus use an animation effect when moving from one menu to another.
- tv **Dialog transitions** – Controls whether animation effects are used when dialogs open or close.
- tv **Focus transitions** – Controls whether animation effects are used to move the highlight image when focus changes from one item to another.
- tv **OSD transitions** – Controls whether the playback OSD uses animation effects when being shown or hidden.
- tv **Thumbnail transitions** – Controls whether thumbnail transitions occur on various menus when a single item represents a group of media choices.
- tv **Cycle through subgroup items** – When a group of items is highlighted, such as a group of recordings on the [SageTV Recordings](#) menu, this option controls whether SageTV cycles through the items one by one in the group info area.

## Screen Saver Options

Opens a dialog where various screen saver options can be set. The options are as follows<sup>7</sup>

- tv **Screen Saver on Sleep** – When enabled, this option will use SageTV's built-in Screen Saver when you put SageTV to Sleep while it is running in Full Screen Mode. If this option is disabled or if SageTV is running in a window instead of full screen, SageTV will minimize to an icon in the system tray when it is put to sleep. SageTV will continue recording your programs while in Sleep Mode, but any live TV that is not a scheduled recording will stop. See [Sleeping SageTV](#).
- tv **Screen Saver Timeout** – Enter the Timeout period that SageTV will wait before starting the screen saver. Type in the number of minutes and press Return. Use the [Options](#) command (Ctrl+O, Escape, right-click) to cancel the pop-up without changing the current value. If the Timeout setting is not 0, the Screen Saver will launch based on the Timeout setting specified. This setting is used mostly in case you walk away from the application and don't want to be concerned with any screen burn. The screen saver will only start if SageTV is at a menu or if video playback is paused; it will not start if a video is actively playing.

- tv **Screen Saver Style** – Choose whether to use a moving **SageTV Logo** or a **Photo Slideshow** as the screen saver when music is not playing. The Photo Slideshow will use all imported pictures if there are two or more pictures (the same list viewable in the [Photo Browser](#)). **Note:** if music is playing, the music information will be displayed as the screen saver.
- tv **Random Screen Saver Slideshow Order** – Choose whether images are viewed in random order while playing a slideshow. Note: this setting affects screen saver slideshows and regular slideshows.

## Show Mouse Icons

This setting comes enabled by default to show you all the available mouse control icons spread throughout the application. If you are not going to use a mouse to control SageTV you can disable those icons here. Disabling this option will not prevent the use of a mouse with SageTV: a mouse can still be used to select menu items; there will just be no special-purpose mouse icons.

## Automatically Connect to Server (Client only)

**Note:** This option is only available when using SageTVClient.

When SageTVClient starts, you will be asked to enter the IP address or computer name of the SageTV server computer system on your network. Instead of entering this information every time SageTVClient is run, enable this option to automatically connect to the server. When enabled, this option will change from displaying **No** to displaying the name or IP address of the server, which you entered when SageTVClient started. See [Configure SageTV Client to Connect to the Server](#).

## Detailed Setup: Multimedia Settings

From the **Multimedia Settings** configuration menu, you can reach the other setup options by highlighting [General](#), [Video/Audio](#), [DVD](#), [Commands](#), [Server](#), [Advanced](#), or [Customize](#) in the right-hand column.

Highlight any setup subject in the left-hand column to view its options, or choose **Main Menu** to return to the [Main Menu](#).

On the right-hand column, highlight an option's setting to see its description at the bottom of the screen. **Select** the setting to change its option.

The **Multimedia Settings** are:

### Aspect Ratio Mode

This option sets the default **Aspect Ratio Mode** that will be used during video playback. Select the setting next to this option and choose a setting from the pop-up menu:

- tv **Fill** – Stretch the video to fill the SageTV playback area. (Initial setting.)
- tv **Source** – Use the video source information to determine the playback aspect ratio.
- tv **4x3** – Force playback to fit the video into a 4x3 ratio area, stretching or shrinking the video to do so.
- tv **16x9** – Force playback to fit the video into a 16x9 ratio area, stretching or shrinking the video to do so.

**Note:** The aspect ratio mode is set during playback for HD extenders. While on the [Video Playback](#) screen, use the **Options** command to choose or edit the aspect ratio mode.

### Aspect Ratio Settings

Select **Modify** to be presented with a pop-up menu containing the available adjustments for the selected **Aspect Ratio Mode**. The **Stretch** setting is used to determine the amount the video image is stretched in the horizontal and vertical dimensions in order to fit the screen, while the **Offset** settings are used to determine where the video image is placed. Each mode stores its own values for the settings presented here.

Select any of the **Stretch** or **Offset** values to change their settings. Enter the new value in the pop-up dialog and press Return. Use the **Options** command (Ctrl+O, Escape, right-click) to close the dialog without changing the current value.

The **Stretch** values may be greater than 100% initially to allow for overscan and hide the black borders that might otherwise be visible around the edges of TV recordings.

If you find that the upper left corner of the image is not in the correct location, use the **Offset** settings to change where that corner is positioned. Use positive values to move the video playback image to the right or down; use negative values to move the image to the left or up.

Use **Close** or the **Options** command to exit the pop-up menu.

**Note:** To get instant feedback regarding the Aspect Ratio settings as you make changes, make sure that a video is playing and that video playback is set to display on menus as the background. See [Video Menu Options](#), below.

### Overscan Settings:

Use the **Overscan Settings** option to modify the placement of the SageTV User Interface. Through a series of two full screen menus, you will first adjust the location of the upper left corner of the user interface, then you will adjust the location of the lower right corner of the user interface. When you are done, the user interface will completely fill the SageTV display.

Select **Adjust** to go to the 2-step Configuration Wizard process to [Adjust the User Interface Overscan](#). When you have completed both steps, you will be returned to Detailed Setup.

### Display Aspect Ratio Settings

SageTV uses the **Display Aspect Ratio** to determine how best to display any graphics or video content. Select **Adjust** to jump to the [Adjust Display Aspect Ratio](#) screen where this ratio is set. On that screen, you may choose from a few pre-set choices, or manually adjust the circle until it appears round. When done, you will be returned to Detailed Setup.

### Output Resolution

If SageTV is able to use multiple output resolutions, select this option to choose which resolution to use.

### Native Output Resolution Switching

If SageTV is able to automatically change the output resolution mode to match the resolution of the video being played, this option will be available. Select the option to enable or disable it.

### Recording Quality

Select **Set Quality** to see a pop-up dialog where you can set the default recording quality for SageTV overall, or for each individual capture device.

**Default Quality:** The setting near the top of the dialog is SageTV's overall default setting. This default recording quality will be used for all new recordings that are created using a capture device that does not have its own default quality setting.

**Individual Capture Devices:** If the setting next to a capture device is **Not Set**, then that device will use the overall **Default Quality** (above) when a new recording is made. If a capture device has its own default setting, then new recordings made using that device will use its own default setting rather than the overall setting. If the setting next to a capture device is **Digital Tuner**, then a default recording cannot be set for the tuner because digital tuners simply save the digital stream as it is received.

The default recording quality settings mentioned above are used for all new recordings made by SageTV, but they may be customized for individual Manual Recordings or for Favorites. See [Record Options](#) for Manual Recordings and [Recording Quality](#) for Favorites.

Select the current setting to the right of **Default Quality** or any **Capture Device** for a pop-up menu of recording quality choices. Choose one of the recording qualities listed, or use the **Options** command to close the pop-up without changing the setting. There is no "correct" choice; the quality setting you choose is a matter of personal preference and amount of hard drive space available. The lower quality settings will use less drive space and allow more shows to be recorded, but at the expense of reduced video quality. On the other hand, higher quality recordings can use disk space very quickly. It is recommended that you try a few settings to see which you are comfortable with. You may want to choose a medium quality setting as your default, then adjust your Favorites or Manual Recordings to higher or lower quality settings, based on their needs. For example: cartoons usually still look OK at lower quality recording rates, while sports may need very high quality settings to retain details during the fast motion scenes.

**Notes:** To add custom settings to this list, see [Appendix H: Custom Recording Quality Settings](#). Any change to the default **Recording Quality** will not take effect until a new recording starts.

### Enable TV Out for PVR-350

This option is only available when using a Hauppauge PVR-350 encoder/decoder tuner card.

Enable this if you are using the TV Out functionality of the PVR-350 card to view MPEG video.

### Enable UI on TV Out of PVR-350

This option is only available when using a Hauppauge PVR-350 encoder/decoder tuner card.

Enable this if you are using the TV Out of the PVR-350 to view the SageTV User Interface on your TV. After enabling this setting for the first time, reboot your computer for the settings to take effect. If, upon starting SageTV, the UI is not appearing on the TV Out, video must be activated for the TV Out to initialize. The best way to do this is to use the **TV** command (Ctrl-V) to initiate live TV playback.

## Hardware Decoding Only:

This option is only available when using a Hauppauge PVR-350 encoder/decoder tuner card.

Enabling this option disables software video rendering to the Windows Desktop. Now video will only be shown through the TV Out of the PVR-350.

## Video Menu Options

The **Video Menu Options** determines whether video playback can be displayed while using a menu and, if so, whether the video will be displayed in a window in the upper right corner or as the background of the menu. Not all menus can have video played in a window and a few may have background playback disabled also.

When you select the **Modify** button next to this option name, a pop-up menu will appear with the settings you can change. This pop-up menu is the same as the one that is displayed on nearly every menu when you use the **Options** command; in fact, using the **Options** command on this menu displays the pop-up menu also. Some menus have options menus specific for their possible settings, but most use the default general purpose **Video Menu Options** menu, or at least make those options available. See: [The Default Pop-up Menu: Video Menu Options](#).

Selecting the button next to **Display Video on Menus** displays a secondary pop-up menu, where three choices are presented:

- tv **Never** – Video playback will never be displayed on a menu, regardless of whether one is currently playing or not.
- tv **If Active** – Video playback will be displayed on a menu only if there is currently a video being played. When no video playback is active, no video will be shown on the menu.
- tv **Always** – Video playback will always be shown on menus. If there is no active video currently, live TV will be shown.

Selecting the button next to **Video Menu Style** also displays a secondary pop-up menu, where two additional choices are presented:

- tv **Background** – If video playback is shown on menus, it will be shown as the background for the entire menu. The menu will appear on top of the video.
- tv **Window** – If video playback is shown on menus, it will be displayed as a small window in the upper right-hand corner. Not every menu has the space needed for displaying video in a window; in those cases, the video will not be shown. The **Main Menu** is one such menu. **Tip:** Left click with a mouse on the video playing in the preview window to jump to the video playback screen. The **TV** command may be used to perform this action at any time using the keyboard or remote.

Finally, use **Close** to close the pop-up menu when done making selections

Example images showing video playback while using a menu:

**Note:** While video is playing on a menu, the commands that control playback continue to function. Please see [Chapter 4: Media Playback](#) for media playback details, or see the [List of All SageTV Commands](#) for complete details on all available commands. An additional point to remember is that some commands are combo commands, which function differently depending on whether SageTV is at a menu or on a playback screen. While on a menu, the playback versions of those commands may not function since the menu versions take precedence.

## UI Language

The current language setting will be displayed next to the **UI Language** option. Select the current setting to see a list of available language choices for the SageTV user interface and select your preferred language. If a translation file for that language is available, SageTV will use its translations when displaying text on the screen.

## Default Audio Language

Select this option to set the default audio language used during playback when a media file has multiple audio languages available.

## Default Subtitle Language

Select this option to set the default subtitle language used during playback when a media file has multiple subtitle languages available, or select **None** to show no subtitles (default).

## SageTV Window is Always On Top

This option is available only on a SageTV or SageTV Client UI while using on Windows. Selecting this option toggles whether the SageTV window will always be on top of other windows. **Note:** for a SageTV Placeshifter window, right click on the Placeshifter window to select its 'Always On Top' option.

## Detailed Setup: Video/Audio Settings

From the **Video/Audio Settings** configuration menu, you can reach the other setup options by highlighting [General](#), [Multimedia](#), [DVD](#), [Commands](#), [Server](#), [Advanced](#), or [Customize](#) in the right-hand column.

Highlight any setup subject in the left-hand column to view its options, or choose **Main Menu** to return to the [Main Menu](#).

On the right-hand column, highlight an option's setting to see its description at the bottom of the screen. **Select** the setting to change its option.

**Note:** When playback is currently in progress, choose **Reload Media Player** after making any changes.

The **Video/Audio Settings** are:

### Video Renderer

The **Video Renderer** is the filter used to render the video to the screen from the source during playback. Choose the setting displayed next to the option to see a pop-up menu listing the possible settings: **Default**, **Overlay**, **VMR9**, and **EVR**. SageTV is initially set to use **Overlay**. If there are problems with this setting, try the **Default** mode instead. The **EVR** option is only listed if EVR is available on your system.

If you are running a newer graphics card with 3D acceleration, give **VMR9** or **EVR** a try, which will also provide partial transparency to the On-Screen Display over video.

**Note:** Using **VMR9** or **EVR** requires [3D Acceleration](#) to be [Enabled](#) in the [Detailed Setup: Advanced Settings](#) configuration menu. If it is not enabled, **Overlay** will be used instead. If 3D Acceleration is not enabled when you choose the VMR9 or EVR setting here, you will be asked whether to enable 3D Acceleration. If you choose not to do so, the renderer will not be changed to VMR9 or EVR.

### MPEG2 Video Decoder Filter

A pop-up menu lists all the available video decoders, which are used to decode the MPEG2-formatted video data. The list of decoders depends on the MPEG-2 decoders that are installed on your PC related to your video card, DVD player and TV tuner/Capture card. Select the video decoder that you would like SageTV to use for MPEG-2 video playback.

**Note:** If you are using the Sigma Designs Xcard as your video decoder, select it from the list and set the **Video Renderer** to default. Also confirm that the [Audio Renderer](#) and [MPEG2 Audio Decoder Filter](#) are set to default as well.

## SageTV MPEG Video Decoder uses DXVA (hardware acceleration)

This option is available if the MPEG2 video decoder filter is set to use the SageTV MPEG Video Decoder. Select this option to enable or disable DXVA when that decoder is used. Enabling this option allows the decoder to use the video card's hardware assisted decoding during video playback.

## H.264 Video Decoder Filter

When using SageTV on a Windows system, you may choose this option to select the decoder filter used for playback of H.264 format videos. If no H.264 decoders are listed, but you know one has been installed on the PC, then choose "List all decoders" so see a list of all decoders.

## VC1 Video Decoder Filter

When using SageTV on a Windows system, you may choose this option to select the decoder filter used for playback of VC1 format videos. If no VC1 decoders are listed, but you know one has been installed on the PC, then choose "List all decoders" so see a list of all decoders.

## Media Player for non-MPEG Files

When using SageTV on a Windows system, you may choose the decoder to use for non-MPEG video playback, such as for MKV, AVI, MP4, OGG, etc. Choose to always use DirectShow, the SageTV Player, or a combination of the SageTV Player for online videos and DirectShow for all other non-MPEG videos.

## Dscaler Deinterlacer Filter

If you want to use Dscaler to deinterlace the video, enable this option. You can only select this option when selecting the Elecard Video Decoder filter (not included with the SageTV installation, but freely available at [www.elecard.com](http://www.elecard.com)) or the SageTV MPEG Video Decoder. Then select your Deinterlacing mode and whether or not you want to use Double Refresh Rate or Odd Field First. You may experience audio & video synchronization problems if you have Double Refresh Rate enabled on a PC that doesn't have enough CPU power. More information can be obtained about Dscaler and Deinterlacing at [www.dscaler.com](http://www.dscaler.com).

## Audio Renderer

The **Audio Renderer** is the filter used to render the audio after it has been decoded. Select a renderer from the pop-up menu showing the list of the available choices, which depends on what has been installed on your computer, related to DirectX and your sound card.

## MPEG2 Audio Decoder Filter

A pop-up menu lists all the available audio decoders, which are used to decode the MPEG2-formatted audio data. The list of decoders depends on the MPEG-2 audio decoders that are

installed on your PC related to your video card, DVD player and TV tuner/Capture card. Select the audio decoder that you would like SageTV to use for MPEG-2 audio playback.

**Note:** If you are using the Sigma Designs Xcard as your video decoder, set both the **Audio Renderer** and **Audio Decoder Filter** to default. See [MPEG2 Video Decoder Filter](#) for Xcard settings there.

### **HD Audio Decoder Filter**

When using SageTV on a Windows system, you may choose this option to select the decoder filter used for playback of videos with HD audio. If no HD audio decoders are listed, but you know one has been installed on the PC, then choose “List all decoders” so see a list of all decoders.

### **Audio Playback Delay**

If you are having problems with audio playback not being synchronized with video playback, you can set the **Audio Playback Delay** in order to get them to be synchronized. In the pop-up dialog, enter the number of milliseconds to delay the audio playback and press Return. (There are 1000 milliseconds in 1 second.) Use the **Options** command (Ctrl+O, Escape, right-click) to close the dialog without changing the current setting.

### **HD Audio Output**

Choose whether to enable HD audio output. If enabled, then SageTV will output the DolbyTrueHD or DTS-HD/MA streams when present. If disabled, then SageTV will output the AC3 or DTS streams instead.

### **Reload Media Player**

This button will appear only if playback is currently in progress. After making any changes, select this button to reload the media player so that the changes can take effect.

## Detailed Setup: DVD Settings

From the **DVD Settings** configuration menu, you can reach the other setup options by highlighting [General](#), [Multimedia](#), [Video/Audio](#), [Commands](#), [Server](#), [Advanced](#), or [Customize](#) in the right-hand column.

Highlight any setup subject in the left-hand column to view its options, or choose **Main Menu** to return to the [Main Menu](#).

On the right-hand column, highlight an option's setting to see its description at the bottom of the screen. **Select** the setting to change its option.

**Note:** When playback is currently in progress, choose **Reload Media Player** from [Detailed Setup: Video/Audio Settings](#) after making any changes.

The **DVD Settings** are:

### DVD-ROM Drive

Toggle this option between **Yes** and **No**, to tell SageTV whether the computer has a DVD drive installed and you want SageTV to access it for playback of local DVDs.

### DVD Video Renderer

The **DVD Video Renderer** is the filter used to render the video to the screen from the source during playback. Choose the setting displayed next to the option to see a pop-up menu listing the possible settings: **Default**, **Overlay**, **VMR9**, and **EVR**. SageTV is initially set to use **VMR9** for DVD playback. If there are problems with this setting, try the **Overlay** mode instead. The **EVR** option is only listed if EVR is available on your system.

If you are running a newer graphics card with 3D acceleration, **VMR9** or **EVR** will provide partial transparency to the On-Screen Display over video.

**Note:** Using **VMR9** or **EVR** requires [3D Acceleration](#) to be [Enabled](#) in the [Detailed Setup: Advanced Settings](#) configuration menu. If it is not enabled, **Overlay** will be used instead. If 3D Acceleration is not enabled when you choose the VMR9 or EVR setting here, you will be asked whether to enable 3D Acceleration. If you choose not to do so, the renderer will not be changed to VMR9 or EVR.

### DVD Video Decoder Filter

A pop-up menu lists all the available DVD video decoders, which are used to decode the DVD video data. The list of decoders depends on the MPEG-2 decoders that are installed on your PC related to your video card, DVD player and TV tuner/Capture card. Select the video decoder that you would like SageTV to use for DVD video playback.

**Notes:** **A)** The DVD video decoder needs to be able to decrypt the CSS encryption found on most DVDs. If the video decoder does not have this capability, it will not be able to play encrypted DVD video data. **B)** SageTV cannot use the Sigma Designs Xcard for DVD playback.

### DVD Audio Renderer

The **Audio Renderer** is the filter used to render the audio after it has been decoded. Select a renderer for DVD playback from the pop-up menu showing the list of the available choices, which depends on what has been installed on your computer, related to DirectX and your sound card.

### DVD Audio Decoder Filter

A pop-up menu lists all the available audio decoders, which are used to decode the DVD audio data. The list of decoders depends on the decoders that are installed on your PC related to your video card, DVD player and TV tuner/Capture card. Select the audio decoder that you would like SageTV to use for DVD audio playback.

## Detailed Setup: Commands Settings

From the **Commands Settings** configuration menu, you can reach the other setup options by highlighting [General](#), [Multimedia](#), [Video/Audio](#), [DVD](#), [Server](#), [Advanced](#), or [Customize](#) in the right-hand column.

Highlight any setup subject in the left-hand column to view its options, or choose **Main Menu** to return to the [Main Menu](#).

On the right-hand column, highlight an option's setting to see its description at the bottom of the screen. **Select** the setting to change its option.

The **Commands Settings** are:

### Link Infrared/Keystroke to SageTV Command

Choosing this option will display a scrollable list of all SageTV commands in the middle of the screen. When a command is highlighted, its keyboard and infrared code assignments are displayed in a list in the right-hand column.

To link new keystrokes or IR codes to a command, **Select** that command.

After choosing a command for key/IR code assignment, SageTV will display instructions for you to press the key or remote button to be assigned to the shown command. Any keyboard input at this point is considered to be a key assignment. You can cancel this process by clicking on the **Cancel** button with the mouse.

If a key or IR code already assigned to a different command is entered, SageTV will ask for confirmation regarding whether to reassign the key or IR code. Choose **Yes** to continue with the reassignment; **No** to cancel the reassignment. Using the **Options** command (Ctrl+O, Escape, right-click) also cancels the reassignment.

For a complete list of commands, see [SageTV Commands](#).

### Notes:

- tv If you are using a third party Infrared Receiver such as the IRMan or USB-UIRT, you will need to link every IR code to the commands in SageTV. To enable the use of either of these IR receivers, see [Remote Control Configuration](#), below.
- tv SageTV will only learn IR codes when it is directly using the IR receiver, such as those mentioned above. If you are using the Hauppauge or Streamzap receivers, for example, SageTV cannot learn the IR codes directly from the remotes.

- TV More than one key or IR code can be assigned to each command, but no two commands can share the same key or IR code.
- TV Some remotes use a toggle code where pressing the same key repeatedly results in the remote emitting two separate codes, toggling between them for each button press. For these remotes, you will need to teach both codes for each button to SageTV. Teach the first code to SageTV, then without pressing any other remote button in between, teach the second code to SageTV. In between those 2 button presses, use either the keyboard or mouse to control SageTV.

### Show SageTV Commands linked to Infrared/Keystroke

Choosing this option will display instructions for you to press a key or remote button to see which command, if any, it is assigned to.

### Unlink Infrared/Keystroke from SageTV Command

Choosing this option will display instructions for you to press a key or remote button that you wish to unlink from a command. Once a key or button is pressed, SageTV will ask to confirm the request. If you select **No** or use the **Options** command, the unlink process will be cancelled.

### Remote Control Configuration

The Remote Control Configuration option will display your current setting. To change it, select the button to proceed to the **Configuration Wizard** step to [Set your Remote Control](#). Once you have completed that one part of the Configuration Wizard, you will be returned to Detailed Setup.

## Detailed Setup: Server Settings

From the **Server Settings** configuration menu, you can reach the other setup options by highlighting **General**, **Multimedia**, **Video/Audio**, **DVD**, **Commands**, **Advanced**, or **Customize** in the right-hand column.

Highlight any setup subject in the left-hand column to view its options, or choose **Main Menu** to return to the [Main Menu](#).

On the right-hand column, highlight an option's setting to see its description at the bottom of the screen. **Select** the setting to change its option.

The **Server Settings** are:

### SageTV Server

This option is only available in SageTV, not SageTVClient, and toggles between **Enabled** and **Disabled**. If you plan to use SageTVClient on another computer on your network, you must enable SageTV to act as a server.

### Media Extender and Placeshifter Server

This option is only available in SageTV, not SageTVClient, when the SageTV Server option (above) is enabled; it opens a dialog when selected, where you may choose to toggle the setting between **Enabled** and **Disabled**. Enable this option if you plan to connect a Media Extender, such as the SageTV STX-HD100, STP-HD200, or Hauppauge MediaMVP, or a Place Shifting client to your SageTV server. **Note: changes to this setting won't take effect until the SageTV server (the above option) is restarted, so you will be asked whether to restart the SageTV Server when this option is changed.** In the dialog, choose **Yes** to change the option and restart the SageTV Server, choose **No** to change the option without restarting the SageTV Server, or choose **Cancel** to leave the setting as it is.

For details on Media Extenders, see [Appendix M: SageTV Media Extenders](#).

For details on the Placeshifter Client, see [Appendix N: SageTV Placeshifter Client](#).

### Configure Placeshifter Internet Connection

In order to use a Placeshifter Client from a remote location, your local network's router/firewall needs to be configured to allow access to your SageTV server from remote locations. This configuration can be done manually on the router, or SageTV can be configured to automatically handle keeping access to the SageTV server open if your router has UPnP (Universal Plug and Play) capability. For details about configuring the router, see [Step G6: Configure the Placeshifter Internet Connection \(server or media extender only\)](#) in the [Configuration Wizard](#). When you are done on that menu, you will be returned to Detailed Setup.

## Manage Placeshifter Users

Select **Configure** to view, add, or manage Placeshifter users. After selecting **Configure**, a dialog will be shown where new Placeshifter users can be added and existing users can be managed. If a user is disabled, the user name will still exist, but that user will not be able to log on via a place shifter client. **Note:** when a new user is created on the server, the STV assigned for that user will be the STV currently in use on the server. If a new user is created from a client, then the default STV will be assigned.

After selecting a user name, a dialog will be shown where various user settings can be configured, or the user can be removed completely. You can set the user's STV, change the password, disable/enable the user, or remove the user.

## Placeshifter Locator ID

Select the **View** option to see the Locator ID for the server, along with an option to copy it to the system clipboard. This ID can be used by the place shifting client to find the server so that you do not need to know your actual IP address. **Note:** The Locator ID is also displayed on the [System Information](#) display.

## Allow Placeshifter clients to automatically login

Choose whether Placeshifter clients can be configured to automatically login.

## Media Extender Conversion Quality

Choose whether to use **Standard** or **High** quality when video needs to be transcoded for playback on a Media Extender. Standard is SVCD quality, while High is DVD quality.

## Detailed Setup: Advanced Settings

From the **Advanced Settings** configuration menu, you can reach the other setup options by highlighting **General**, **Multimedia**, **Video/Audio**, **DVD**, **Commands**, **Server**, or **Customize** in the right-hand column.

Highlight any setup subject in the left-hand column to view its options, or choose **Main Menu** to return to the [Main Menu](#).

On the right-hand column, highlight an option's setting to see its description at the bottom of the screen. **Select** the setting to change its option.

The **Advanced Settings** are:

### Load at Windows Startup

Select the setting next to this option and choose a setting from the pop-up menu:

- No** – Do not start SageTV automatically when the computer starts.
- Yes – in Full Screen mode** – Start SageTV automatically when the computer starts, and start it running in full screen mode.
- Yes – sleeping in the System Tray** – Start SageTV automatically when the computer starts, but start it in **Sleep** mode, minimized to the system tray.

### Video Orbiting Duration

Use this setting if you have a Widescreen TV or HDTV and wish to shift the 4:3 image horizontally in the 16:9 screen area. The time controls how quickly the screen moves away from and back to its starting position. A value of 0 disables this feature. The image shifts quickly with low values and slowly with large values.

In the pop-up dialog, enter the number of minutes for the orbiting duration and press Return. Use the **Options** command (Ctrl+O, Escape, right-click) to close the dialog without changing the current setting.

### 3D Acceleration

This option toggles between **Enabled** and **Disabled**. Enable 3D Acceleration for better performance if you are using a Graphics card that support DirectX9 and 3D Acceleration. 3D Acceleration cannot be enabled if you are using the OSD through the TV-out of the PVR-350.

If enabling this option fails and you are not using the OSD through the TV-out of the PVR-350, then you should make sure that your video card drivers and DirectX installations are up to date. Also, note that 3D Acceleration require a video card with at least 32 MB RAM.

**Note:** This option must be enabled in order to use VMR9 or EVR as the [Video Renderer](#) in [Detailed Setup: Video/Audio Settings](#) or as the [DVD Video Renderer](#) in [Detailed Setup: DVD Settings](#). If VMR9 or EVR is the renderer for either of those settings, you will be asked to confirm whether to disable 3D Acceleration. If you choose to disable it, any VMR9 and EVR settings will automatically be changed to use Overlay instead.

### Use Full Screen Exclusive Mode

**This option will only appear if 3D Acceleration is enabled, above.** When using 3D Acceleration, you will have a choice of how SageTV will operate when run in Full Screen mode. Normally, SageTV will still act as a regular Windows application, except that it covers the entire screen; however, when using full screen exclusive mode, SageTV will attempt to gain exclusive control of the screen, just as a Windows game run in full screen mode would do. When successful, this exclusive control of the display is intended to provide smoother video playback, especially with the VMR9 renderer. But, exclusive mode is not always available, depending on certain system settings and the video card that is being used. **If you turn this option on and experience playback problems, turn it back off.**

### Overlay Color Keying

This option toggles between **Enabled** and **Disabled**. When using Overlay as the [Video Renderer](#) in [Detailed Setup: Video/Audio Settings](#) or as the [DVD Video Renderer](#) in [Detailed Setup: DVD Settings](#), enable Color Keying if you want the On-Screen Display to have transparency.

### Optimized Image Loader

Choose whether to have the optimized image loader **Enabled** or **Disabled**. Enable it for faster loading of larger images; disable it only if images are not loaded properly.

### Rescan Existing Library Files

Choose this option to force SageTV to rescan the entire library and perform format detection and metadata importing again for all imported media.

### Automatic Update Checks

Choose whether SageTV can automatically perform the checks for updates listed below. When enabled, SageTV will perform these checks once per day after jumping to the [Main Menu](#).

- **Check for and install updates for the lists of online videos** – When enabled, SageTV will check for updates for online video feeds listed on the [Online Services](#) menu. If an update is found, it will be downloaded and installed.

- tv **Check for and notify when updates are available for the STV, installer, or extender firmware** – When enabled, SageTV will check for updates for the STV, new versions of SageTV, and new firmware versions if an extender is in use. If an update is found, a system message will be generated for viewing on the [System Messages](#) menu.
- tv **Include notifications for installer and firmware beta updates** – If the above option to check for new installer and extender firmware versions is enabled, this option will be available. When enabled, SageTV will include checking for new beta versions. If a beta update is found, a system message will be generated for viewing on the [System Messages](#) menu.

### Check for STV Update

Select **Update** to see if there is an update available for the default STV file set. The current version number is shown directly below this option's title. **Note: The default STV file (SageTV3.xml or SageTV7.xml) must be the currently loaded application package for the update to proceed.** This option may be used to install fixes or add new features, but frequent updates are not expected.

If an STV file set update is available, a dialog will list any change notes for the new version and ask for confirmation to download and install the update. After performing an update, it is suggested that you check for another update in case one update was required before the next update could be installed.

### Revert to the default STV

When using a customized STV, this option can be used as a shortcut to change back to the default STV provided in the SageTV installer.

### Reload last custom STV

When using the default STV, this option can be used as a shortcut to change back to the last-used custom STV, if one has been previously loaded.

### Manage STVI plugins

**Note: This option is no longer enabled by default. Use the [Plugin Manager](#) instead.**

In addition to being able to specify which SageTV custom interface file (STV) to use, see below, it is also possible to load one or more STVI import modules that will add or change functionality of an existing interface file. See below for information where import modules may be found online. **Note:** Before importing an STVI module, especially for the first time, make backup copies of wiz.bin and Sage.properties and/or SageClient.properties.

After selecting the option to manage the plugins, the STVI Plugin Manager dialog will open. From there, you may choose from the following actions:

- tv Rest the base STV to the current STV if it is not already the base used for imports or it is not the plugin managed STV that already has the imports.
- tv Remove any existing plugins – select a plugin from the list to remove it.
- tv Add a new STVI plugin file – select to choose a new import in a file browser dialog.
- tv Automatically prompt for rebuild – Check this option to have SageTV automatically check to see if the base STV or any of the import files have changed since the last time the plugin managed STV was built. The check will be performed when SageTV starts or when an STV is loaded.
- tv Force Rebuild and Reload STV File with plugins – Select this option to immediately import all the plugins into the base STV.
- tv Load Existing STV with plugins – If the base STV is loaded and the plugin managed STV exists, this option allows quickly reloading the plugin managed STV without rebuilding again. (If the automatic prompt for rebuild option is enabled, then the check will be performed after the managed STV has been loaded.)
- tv Close – Exit the dialog. The status of the plugin managed STV will be checked when the dialog closes and you may be prompted to rebuild if it is out of date.

Note: The process of importing the selected plugins may take a few minutes, depending on how many plugins are in the list and how complex each one is. When the rebuild process is done, the resulting updated Application Package will be saved as a new XML file, it will remain loaded as the current Application Package, and SageTV will return to the Main Menu.

### SageTV Full UI Package (.STV or .XML File)

SageTV is capable of using custom files that define what the user interface looks like and what capabilities it contains. The appearance and functionality is defined in SageTV application package files, which have a file extension of **STV** or **XML**.

Choose this option to open a dialog where you can choose a new STV file to use as the SageTV interface.

To find custom STV files, please see:

- tv The **SageTV Customizations** forum is one of the forums on the SageTV site, where some users who have created custom STVs have posted information about those STV files and may answer questions about them.  
[forums.sagetv.com/forums/forumdisplay.php?f=27](http://forums.sagetv.com/forums/forumdisplay.php?f=27)

## Import UI Modification (.STVi File)

**Note:** Use the [Plugin Manager](#) instead if the desired import is available there.

In addition to being able to specify which SageTV custom interface file (STV) to use, it is also possible to load STVi update modules that will add or change functionality of an existing interface file. See above for information where import modules may be found.

**Note:** Before importing an STVi module, make backup copies of wiz.bin and Sage.properties and/or SageClient.properties.

After choosing the Application Package Import file, you will be asked to confirm whether to proceed with the import process. If you choose to proceed, SageTV will import the selected file and save the resulting updated Application Package as a new XML file, then load it as the current Application Package and return to the Main Menu.

## Select the User Interface Theme

Select this option to choose which set of graphics (theme) is to be used for the user interface. A dialog will open, displaying a list of the available themes along with a description and preview of the currently highlighted theme, if a description and preview image are available. SageTV installs with the **Standard** theme.

For more information about themes and how to create custom themes, see: [Appendix O: User Interface Themes](#). Additional user created themes may be found on the SageTV online forums at [forums.sagetv.com/forums](http://forums.sagetv.com/forums) and may be available in the [Plugin Manager](#).

## Debug Logging

Choose whether to enable debug logging on the SageTV server, and local client if using a client. SageTV will need to be restarted after changing this setting.

## Detailed Setup: Customize Settings

From the **Customize Settings** configuration menu, you can reach the other setup options by highlighting **General**, **Multimedia**, **Video/Audio**, **Commands**, **Server**, or **Advanced** in the right-hand column. Note that there are more options than can fit on a single screen, so you will need to scroll down the list to see some choices.

Highlight any setup subject in the left-hand column to view its options, or choose **Main Menu** to return to the [Main Menu](#).

On the right-hand column, highlight an option's setting to see its description at the bottom of the screen. **Select** the setting to change its option.

The **Customize Settings** are:

### Fast Forward & Rewind times

Select **Configure** for a pop-up options menu where you can set the times for the fast forward and rewind commands. Select any of the choices to set the jump times associated with these commands:

- **Fast Forward** – The current **Skip Forward** time is displayed and may be changed.
- **Fast Forward 2** – The current **Skip Fwd #2** time is displayed and may be changed.
- **Rewind** – The current **Skip Bkwd** time is displayed and may be changed. Rewind times are negative values. If you enter a positive value, it will automatically be changed to a negative one.
- **Rewind 2** – The current **Skip Bkwd #2** time is displayed and may be changed. Rewind times are negative values. If you enter a positive value, it will automatically be changed to a negative one.
- **Time Scroll** – The current **Time Scroll** time is displayed and may be changed. For details about using Time Scroll, see: [A Note About Time Scroll Playback Mode](#).

### Inactivity Timeout and OSD AutoHide

Select **Configure** for a pop-up options menu where you can set the options for the playback OSD autohide functionality after a timeout period:

- **Enable Inactivity Timeout and hide the OSD after timeout?** – Select this setting to toggle between:
  - **Yes** – Enable the inactivity timeout timer and allow the OSD to automatically hide itself if there is no user activity during the timeout period, or

- **No** – Disable the inactivity timeout and OSD autohide feature
- tv **Inactivity Timeout** – If the Inactivity Timeout is enabled, above, select this option to configure the time out period.

## Automatically Enable Channels Newly Added to EPG Lineups

Choose whether channels that have been added to an EPG lineup are automatically enabled or not. The option is initially enabled, but you may wish to disable it if new channels are often not viewable on your system. This option is also available on the [Channel Setup](#) menu via the [Options](#) command. When a new channel is added, a system message will be generated for viewing on the [System Messages](#) menu.

## Power Management settings

Select **Configure** for a pop-up options menu where you can set the options for SageTV's power management timings:

- tv **Idle timeout** – Set the time for how long SageTV can be idle with no user input or video playback before allowing the operating system's settings for going into standby to take over. To reset this value, enter 0.
- tv **Server wake up time prior to starting a new recording** – Set this value to the time it takes for your SageTV server system to wake itself up and return to actively running. SageTV will schedule the server system to wake up this much time prior to when a scheduled recording is to begin.

## Font Size Limitation Settings

Select **Configure** for a pop-up options menu where you can set the options for font size limitations:

- tv **Smallest font size** – Use this option to set the smallest font size that SageTV will use in the user interface. If you find some of the text in the UI too small to read, try increasing this value. To reset this value, enter 0.
- tv **Minimum shrunk font size** – SageTV will shrink some text to fit in its allotted space. Use this option to set the minimum font size text can be shrunk to. To reset this value, enter 0.

## Numeric Text Input Settings

Numeric text input is a method used for entering text using only the numeric keypad on a remote and is similar to how text is entered via a telephone's keypad. Each number is assigned a few characters or symbols. Then, when entering text, do the following:

1. Press a number repeatedly to cycle through that number's available characters until the desired character is reached. The number will be available as the last character in the cycle.
2. To accept the current character, you may do one of the following:
  - a. wait until the input is accepted
  - b. press another number to accept the current character and begin cycling through the characters for the new number
  - c. use the Play command to accept the current character.
3. To enter more characters, return to step 1.

On the screens where numeric text input is available, a keypad will be displayed showing all the numbers and the characters assigned to them. During data entry, the entered number's list of characters will be displayed below the entry field and the current character will be highlighted. The default assignments are:

- TV 1 – various symbols and 1
- TV 2 – ABC2
- TV 3 – DEF3
- TV 4 – GHI4
- TV 5 – JKL5
- TV 6 – MNO6
- TV 7 – PQRS7
- TV 8 – TUV8
- TV 9 – WXYZ9
- TV 0 – Space and 0
- TV Stop command – Clear the last input.
- TV Play or Play/Pause command – Accept the current input character.
- TV Pause command – Toggle Numeric Text Input mode between Upper Case, Lower Case, and Off.



Select **Configure** for a pop-up options menu where you can set the options for SageTV's numeric text input feature. **Note:** The below options to reconfigure the numeric keys and their hints are not available on clients that cannot use keyboards, such as media extenders.

- TV **Use Numeric Text Input** – Choose whether Numeric Text Input will be enabled by default when a text entry field is in use. **Note:** You may use the **Pause** command to change the Numeric Text Input mode while entering data.
- TV **Delay time before auto-accept** – This is the amount of time without any input before SageTV will automatically accept the currently highlighted character. Enter the number of milliseconds for this delay. (There are 1000 milliseconds in 1 second.)
- TV **Configure the upper case numeric keys** – Select these options to see or configure the list of the current upper case character assignments for each number.

- **Configure the upper case hint text** – Select these options to see or configure the list of the upper case text that is displayed beneath each number on the number pad.
- **Configure the lower case numeric keys** – Select these options to see or configure the list of the current lower case character assignments for each number.
- **Configure the lower case hint text** – Select these options to see or configure the list of the lower case text that is displayed beneath each number on the number pad.
- **Close** – Close the dialog.

## Online Video Options

This item opens a dialog where options for online videos can be configured:

### Online Video Access

This option is used to control access to the [Online Services](#) menu and its online video feeds. Choose from these three options:

- **Always Enabled** – The online video menus will always be available.
- **Always Disabled** – The online video menus will never be available and will not appear in the Online Services menu.
- **Determined by Parental Controls** – The online video menu items will be available, but access is controlled by the [Parental Controls](#) options. If Parental Controls are enabled, the correct code must be entered to enter the online video menus. If Parental Controls are not enabled, online video menus may be entered without any code required.

### YouTube Video Quality

This option is used to control the highest resolution video that SageTV will attempt to download when playing a YouTube video. If a higher resolution is not available, SageTV will automatically try playing the next lower resolution. Low bandwidth Internet connections may work better using a lower resolution setting here. Choose from these three options as the first resolution to try:

- **HD 1080p**
- **HD 720p**
- **SD High Resolution**
- **SD Low Resolution**

## Channel.com Options

This option is used to configure options for the Channels.com item on the [Online Services](#) menu. Configure these options:

- **Languages** – Select the languages you wish to allow in the Channels.com feeds, or choose **Allow Any Language**.
- **Allow Adult Content** – Choose whether the Channels.com feeds can include those with adult content. If Parental Controls are enabled, the correct code must be entered in order to enable this option. If Parental Controls are not enabled, this option can be toggled on or off without any code required.

## Temporary File Storage Location

Choose the location where temporary files are to be stored when playing online media.

### Reset Temporary File Storage Location

If the Temporary File Storage Location has been customized, use this option to clear it.

## Mouse Auto-Repeat Rate

Use this option to configure settings used when a mouse button is clicked and held over a mouseable icon, such as a list scroll arrow. Set the time (in milliseconds) for:

- **Delay before first repeat** – Sets the amount of time to wait while the mouse button is held before automatically issuing the first repeated mouse click.
- **Period between repeats** – Sets the amount of time to wait while the mouse button is held before automatically issuing each subsequent repeated mouse click.

## Ignore Leading Articles During Text Sorting

Use this option to configure whether articles at the beginning of text, such as ‘a’, ‘an’, and ‘the’, are ignored while sorting text, along with which articles can be ignored. After selecting this option, a dialog will be shown with settings that can be changed:

- **Ignore leading articles while sorting** – Toggle whether the leading articles are ignored while sorting.
- **List of leading words to ignore** – Use this option to configure which words are considered leading articles to be ignored.

## Instant Search mode on Navigation Menus

This option controls whether and how **Instant Search** functions while on a navigation menus (menus like the Main Menu). Select this option to open a dialog with these choices:

- Instantly start searching** – Jump to the Search menu as soon as any alphanumeric characters are entered.
- Use dialog for more text entry** – When alphanumeric characters are entered, open a dialog to allow further input before starting the search.
- Do not use Instant Search** – Disable the use of Instant Search.

## Maximum Results per Search

Sets the maximum number of search results per search. The default value is 1000. Increasing this number can cause searches to take longer.

## Action to take when SageTV Window is closed

When you exit the SageTV Window, either by clicking on the X in the upper right corner or by pressing Alt+F4 on the keyboard, SageTV can either exit or go into sleep/standby mode. Select this button to choose whether that action will result in exiting the program (**Exit SageTV**) or putting SageTV to sleep (**Sleep SageTV**).

## Video Background Color

The **Video Background Color** is the color SageTV displays on the **Video Playback** screen in areas not covered by the video being played. For example: a 4x3 image won't cover the entire screen for a 16x9 display, and vice-versa. Choosing to **Modify** this setting opens an external dialog box where you can select a new color to display in the areas outside the video.

## Focus follows mouse movement

If you interact with SageTV using a mouse, SageTV can automatically change the user interface element focus to the item that the mouse cursor is pointing to. Selecting this option toggles between turning this feature on or off.

## Delete Live TV files when not using Intelligent Recording

Choose whether SageTV should automatically delete live TV recordings shortly after the show has finished airing and you have stopped watching the recording. By default, this will be on. If you disable live TV autodeletion, the recordings will still be deleted when more disk space is needed for a new recording.

## Use aggressive negative profiling for Intelligent Recordings

Only available when Intelligent Recordings have been enabled in [Detailed Setup: General Settings](#); this option tells SageTV to give more consideration to shows that have been marked as Don't Like, so that SageTV is less likely to record similar shows.

### Include episode names in filenames

Selecting this item toggles between enabling or disabling adding the episode name of a show to the filename generation when a show is recorded.

### Remove padding on back to back Favorites

Choose whether back to back Favorites that are on the same channel should have their overlapping padding removed. If padding is not removed, then such shows cannot be recorded by a single tuner; if there is only one tuner, overlapping Favorites on the same channel will generate a conflict, causing one to either be recorded at a later airing or not recorded at all.

### Add ShowID as part of Movie Favorites

Choose whether to add the Show ID as a keyword when creating a Favorite for a movie. Using the ShowID as part of the Favorite would help limit the Favorite to that specific movie, not other movies or shows with the same title.

### Reset watched shows when played again

Choose whether an already-watched recording should have its Watched status reset when you start watching it again. By clearing the Watched status, SageTV will be able to track your last-watched position again, in case you stop playback before the end of the recording.

### Always ask whether to resume or restart partially watched videos

Choose whether to always resume at the last-played position when starting playback of a partially watched video or whether SageTV should always ask whether to resume or restart at the beginning.

### Always start video playlist items from the beginning

Choose whether video playlist items will always start from the beginning while playing the playlist or whether each video should start at its last-played position.

### Detect repeat airings with non-unique IDs

Choose whether SageTV should try to detect when airings that have the same non-unique generic ShowID are actually the same show. (See [Notes about Scheduled Recordings](#) for more details about ShowIDs.) If set to Yes, SageTV will attempt to detect whether such airings are, in fact,

the same show. If set to **No**, SageTV will treat all shows with the same SH-based ShowID as if they are all different shows.

### **Automatically add converted videos to database**

Choose whether SageTV should automatically add converted videos to the SageTV database. If you regularly convert videos for use on a different media player instead of in SageTV, you may wish to leave them out of the database. **Note:** Converted videos that are replacing the original videos or are being placed in a recording or import folder will be added to the database regardless of this setting.

### **Enforce recording quality in schedule**

Choose whether SageTV should assign Manual Recordings and Favorites that have been configured to use specific recording qualities only to a tuner that can record using that specified quality. Example: If a Favorite is set to use an MPEG quality, this setting determines whether that Favorite can only be recorded by a tuner than can record using MPEG, or whether it can be recorded by any available tuner, such as the Hauppauge HD-PVR, which records in H.264 format.

### **Number of Days to Schedule Recordings**

Configure how many days into the future SageTV will schedule Favorites and Intelligent Recordings, if IR is enabled. If the scheduler is set to cover fewer days than the EPG data covers, the automatic scheduler can schedule a show to be recorded beyond the initial number of days if it conflicts with other shows during that time period and if it will be aired again during the extended time that the guide covers. By default, SageTV is configured to schedule for the next 14 days, covering all EPG data. **Note:** Manual Recordings can be scheduled for any time by the user and are not covered by this option.

### **Enable MPEG4 timeshifting (requires hardware encoder)**

Selecting this option shows a dialog asking whether to allow live timeshifted playback while recording in an MPEG4 recording quality, such as MPEG4 or DivX. If this option is disabled, you will not be able to watch the show until the recording has completed. **Note:** timeshifting MPEG4 recordings is only available when using a hardware based encoder.

### **Always tune channel**

Selecting this option shows a dialog asking whether to have SageTV always force a channel tuning event every time a recording is to start, even if the next recording is on the same channel as the last recording. When using an IR blaster to tune an external converter box, enabling this option can help if the IR blaster sometimes changes the channel incorrectly or if the converter box is sometimes reset or has its channel changed by another method, such as direct user control.

## Channel Entry Options

Select **Configure** for a pop-up options menu where you can set the channel entry options:

- tv **Auto-accept after timeout** – If enabled, SageTV will automatically change to the selected channel after the input timeout period has passed without further input.
- tv **Max Channel Digits** – Enter the maximum number of digits which a channel may contain. After entering this number of digits, the channel change will occur without pressing Enter or OK. If 0 (zero) is entered, then SageTV will automatically determine the number of digits in the largest channel number.

## DirecTV Fast Serial Channel Changes

Select this option to toggle between **Fast** and **Normal** mode for channel changing when controlling DirecTV boxes via a serial cable.

## Show recording status marker icons in lists

Selecting this option toggles whether the various marker icons are shown next to a show's name for each show entry in a list, such as the list shown on the [SageTV Recordings](#) menu. For a description of the various marker icons, see [Marker Icons](#).

## Ask to delete recording at end of playback?

Select this option to choose when to be asked whether to delete recordings as soon as they have finished playing, via the [Video Playback Completion Options](#) dialog. You can select to be asked only for recordings that SageTV cannot automatically delete (Manual Recordings and Favorites with AutoDelete turned off), for all recordings, or never.

## Use expanded options for the Record command

Selecting this option toggles whether the expanded pop-up options dialog is shown when the **Record** command is used. When **enabled**, use of the Record command causes the [Record Command Options Dialog](#) to be shown, where you can add or cancel a Manual Recording, adjust the recording's options, add or remove a Favorite, or adjust the Favorite's settings. When this setting is **disabled**, use of the Record command simply toggles whether a show is a Manual Recording or not.

## Options menu mode for videos and recordings

Selecting this option toggles whether the [Airing and Video Options Dialog](#) uses **Basic** or **Advanced** mode.

### For grouped items: Select opens options dialog, Info browses into group

Selecting this option toggles whether the **Select** command or the **Info** command opens the **Grouped Airings and Videos Options Dialog** for a group of airings or imported videos. Toggling also affects which of those command is a shortcut to browse into the group.

### Alternate Movie category name

SageTV color-codes Movies in the **Program Guide**, the **SageTV Recordings** menu, and other menus where the shows are listed. If your EPG does not mark movies as “Movies”, select this option to enter the phrase uses for movies. By default, the alternate name is “Film”.

### Display pop-up when a new drive detected

Select this option to toggle whether the **New Drive Detected** dialog is shown when SageTV detects a new driver, such as when a Compact Flash card is inserted.

### Display OSD between Playlist Segments

Select this option to configure whether the OSD will be shown on the playback screen when a playlist changes to another item in the playlist. The option is set independently for video and music playlists.

### Reset Disabled Warnings

Resets all disabled warning messages, such as the warning about trying to set the default recording quality when digital tuners are configured.

### Use wrap-around scrolling in single column vertical lists

Selecting this option displays a dialog where you can choose whether most single column vertical lists should wrap vertically from the last item to the first item when scrolling up or down. Choose **Enabled** or **Disabled**.

### Use vertical wrap-around scrolling in the Program Guide grid

Selecting this option displays a dialog where you can choose whether the Program Guide grid should wrap vertically from the last channel to the first channel when scrolling up or down. Choose **Enabled** or **Disabled**.

### Use ‘Fixed Focus’ in single column non-wrapped vertical lists

Selecting this option displays a dialog where you can choose whether single column vertical lists, such as those used in the imported media browsers, should try to keep focus on the item in the center of the screen. Choose **Always On**, **Always Off**, or **Automatic**. For the Automatic

setting, the option will be disabled on desktop UIs and enabled on extender UIs, where a remote is used instead of a mouse or keyboard.

### TV Category Background Colors

Selecting this option displays a dialog that shows the background colors used for various TV airing categories. The existing categories and their colors may be edited, or additional categories may be added. This option is also available via the Setup -> Help submenu on the [Main Menu](#).

### RC5 Repeat Detection

This option is available for **HD Extenders Only**. Choose whether repeat detection is enabled when using a remote that uses the RC5 IR protocol, which toggles its code each time the same button is pressed. The SageTV and Hauppauge remotes properly toggle their RC5 codes, so this option should remain enabled for those remotes. If you have a customized remote which does not toggle the RC5 codes, then try disabling this option.

## System Information

The **System Information** screen displays information about the status and configuration of your SageTV system. Its parent menu is the [Main Menu](#).

At the top of the screen is a button whose function is to go **Back to Main Menu**. Next to it is a button to jump to the [System Messages](#) menu.

Below the button area, the rest of the screen is dedicated to the display of various system information statistics. The information shown will cover much more than a single screen, so be sure to use the Down arrow to highlight and scroll the information display to see the rest of the information.

**Tip:** Use the **Info** command (Ctrl+I) to write the System Information details to a text file (SystemInfo.txt) in your SageTV directory. This file may be requested if you contact SageTV Technical Support.

### Notes:

At times, the System Information may take a short time to fully update itself. While the data is being updated, there will be an “Updating” message displayed after the “System Status” and “System Configuration Details” section headers. Wait until the information has finished updating before using the **Info** command to write the System Information details to a text file.

If using tvtv for your TV listings, click on the tvtv logo at the top to check your tvtv account status.

This menu is quickly accessible from the [Main Menu](#) via the **Info** command.

## System Messages

The **System Messages** screen displays messages from SageTV about various situations that the user should be aware of.

On the left are a few options:

- tv **Back** – Return to the previous menu.
- tv **Reset Alert** – Resets to the alert level, clearing the alert icon from the menu header.
- tv **Delete All** – Choose this option to delete all current system messages.

To the right is the list of all current system messages, with the newest messages listed first. Highlight a message to see its description displayed at the bottom of the screen. Some messages have actions that can be performed; **Select** a message to see any options for a message. Use the **Delete** command to delete the currently highlighted message.

The icon to the left of each message indicates its alert level:

- tv No Icon – General message; lowest level of importance.
- tv  – Information
- tv  – Warning
- tv  – Error

If a new message with a higher alert level than the existing alert level is added, then the menu header will be updated to display an alert icon. See: [Status Indicator Icons](#). To clear the alert level, choose **Reset Alert** on the left side of this menu.

## SageTV Commands

Except when using a mouse to simply point to and click on menu choices, SageTV is controlled through the use of its commands. Whether the commands are sent via keystrokes, through infrared codes by directly using a supported IR receiver with SageTV, or by sending Windows messages from a 3<sup>rd</sup>-party application, the commands you can use are all the same. When SageTV is installed, it automatically configured support for some commands to be sent from the keyboard or from a Hauppauge or Streamzap remote. It is up to you to configure the usage of any additional commands.

Most SageTV commands are individual commands that perform one function at a time. A few commands are combo commands, which perform a function depending on the current SageTV context. For example: “**Left/Volume Down**” will function as a **Left** command when on a menu, or as **Volume Down** during media playback.

### Sending Commands via Keystrokes

Keystrokes are sent directly to SageTV by using the keyboard, or by using a 3<sup>rd</sup>-party application that mimics sending keyboard input to SageTV, such as the Hauppauge remote control software. The commands that keystrokes are assigned to can be configured in Detailed Setup by using the option to link a keystroke to a command. See: [Link Infrared/Keystroke to SageTV Command](#).

### Sending Commands via Infrared Codes

When using Evation’s IRMan ([www.evation.com](http://www.evation.com)) or a USB-UIRT ([www.usbuirt.com](http://www.usbuirt.com)), SageTV can directly receive codes from an infrared remote control. Like keystrokes, these infrared codes can be assigned to commands in Detailed Setup by using the option to link an infrared code to a command. See: [Link Infrared/Keystroke to SageTV Command](#).

### Sending Commands via Windows Messages

SageTV can also be controlled by events sent as Windows messages through the SendMessage Windows API function call. When sending a command event via SendMessage, the following parameters must be used:

Parameter	To Control SageTV or Placeshifter	To Control SageTVClient
Window Class:	SageApp	SageClientApp
Window Name:	SageWin	SageWin
Message ID:	WM_USER + 234 (1258)	WM_USER + 234 (1258)
wParam:	0 (not used)	0 (not used)
lParam:	Event number	Event number

The event numbers for each command are listed in the [List of All SageTV Commands](#), below.

## Sending Commands via Multimedia Keyboards and Remotes

SageTV can also respond to certain media control buttons on multimedia keyboards or remotes. These buttons actually send WM\_APPCOMMAND messages that contain the command. The following multimedia buttons/WM\_APPCOMMAND commands are recognized by SageTV:

<b>Button</b>	<b>WM_APPCOMMAND command</b>	<b>SageTV command</b>
Back	APPCOMMAND_BROWSER_BACKWARD	Back
Forward	APPCOMMAND_BROWSER_FORWARD	Forward
Play	APPCOMMAND_MEDIA_PLAY	Play
Play/Pause	APPCOMMAND_MEDIA_PLAY_PAUSE	Play/Pause
Pause	APPCOMMAND_MEDIA_PAUSE	Pause
Stop	APPCOMMAND_MEDIA_STOP	Stop
Record	APPCOMMAND_MEDIA_RECORD	Record
Forward	APPCOMMAND_MEDIA_FASTFORWARD	Skip Forward / Page Right
Rewind	APPCOMMAND_MEDIA_REWIND	Skip Bkwd / Page Left
Next Track	APPCOMMAND_MEDIA_NEXTTRACK	Channel Up / Page Up
Prev Track	APPCOMMAND_MEDIA_PREVIOUSTRACK	Channel Down / Page Down
Chan Up	APPCOMMAND_MEDIA_CHANNEL_UP	Channel Up / Page Up
Chan Down	APPCOMMAND_MEDIA_CHANNEL_DOWN	Channel Down / Page Down
Vol Up	APPCOMMAND_VOLUME_UP	Volume Up
Vol Down	APPCOMMAND_VOLUME_DOWN	Volume Down
Mute	APPCOMMAND_VOLUME_MUTE	Mute

## List of All SageTV Commands

Command	Default Keystroke	Event	Description
		#	
Left	Left	2	Moves the menu focus to the item towards the left of the currently highlighted item. If there is no such item, it will return you to the previous menu.
Right	Right	3	Moves the menu focus to the item towards the right of the currently highlighted item. If there is no such item, it will select the item and proceed to the next screen.
Up	Up	4	Moves the menu focus to the item above the currently highlighted item. Many menus will wrap from top to bottom if there is no item above the current one.
Down	Down	5	Moves the menu focus to the item below the currently highlighted item. Many menus will wrap from bottom to top if there is no item below the current one.
Pause	Ctrl+S	6	Pauses playback. For videos: if already paused, advance one frame.
Play	Ctrl+D	7	Resumes playback if paused.
Skip Fwd & Page Right	Ctrl+F	8	Combo command <b>Playback:</b> Fast Forward 10 seconds. (This time is adjustable in <a href="#">Detailed Setup: Customize Settings</a> .) <b>Menus:</b> Moves one page to the right.
Skip Bkwd & Page Left	Ctrl+A	9	Combo command <b>Playback:</b> Rewind 10 seconds. (This time is adjustable in <a href="#">Detailed Setup: Customize Settings</a> .) <b>Menus:</b> Moves one page to the left.
Time Scroll		10	See <a href="#">A Note About Time Scroll Playback Mode</a> . The first use of this command enters time scroll mode.  Then, use the <b>Skip Fwd &amp; Skip Bkwd</b> commands to jump forward/backward 2:30. (This time is adjustable in <a href="#">Detailed Setup: Customize Settings</a> .) Or, use the <b>Skip Fwd #2 &amp; Skip Bkwd #2</b> commands to jump to the end or beginning of the video, respectively.  Use this command again to exit time scroll mode and jump to the new playback location. Use the <b>Play</b> command while in time scroll mode to cancel the time scroll jump.

<b>Command</b>	<b>Default Keystroke</b>	<b>Event #</b>	<b>Description</b>
Channel Up & Page Up	Page Up	11	Combo command <b>Playback:</b> If watching live TV, change to the next higher channel number. If playing a DVD, jump to the next DVD chapter. If playing music, jump to the next track. <b>Menus:</b> Moves one page up.
Channel Down & Page Down	Page Down	12	Combo command <b>Playback:</b> If watching live TV, change to the next lower channel number. If playing a DVD, jump to the previous DVD chapter. If playing music, jump to the previous track. <b>Menus:</b> Moves one page down.
Volume Up	Ctrl+R	13	Increases audio volume.
Volume Down	Ctrl+E	14	Decreases audio volume.
TV	Ctrl+V	15	If on a menu: jumps to media playback. If no playback is occurring, live TV will start. If viewing playback: jumps to the most recently viewed menu.
Play Faster	Ctrl+M	16	For DVD playback: increases playback speed.
Play Slower	Ctrl+N	17	For DVD playback: decreases playback speed.
Guide	Ctrl+X	18	Jumps to the <b>Program Guide</b> . If you have scrolled the guide away from the current time, use this command again to return to the current time in the guide.
Power	Ctrl+Z	19	Puts SageTV to sleep if it is awake, or awakens SageTV if it is sleeping.
Select	Enter	20	Selects the currently highlighted item in a SageTV menu and performs whatever function is appropriate when that item is selected.

<b>Command</b>	<b>Default Keystroke</b>	<b>Event #</b>	<b>Description</b>
Watched	Ctrl+W	21	Toggles the currently highlighted show, recording, or imported video as having been completely watched or not. If the show has a unique show ID, SageTV will remember that you have watched the show and will not record it again. If Intelligent Recording is enabled, watched shows are considered to be shows that you like.
			This command can also be used on groups of shows. A confirmation dialog will ask whether to Set or Clear the Watched status for all shows in that group.
Favorite	Ctrl+K	22	Marks the currently highlighted show or recording as a Favorite and creates a new entry for that show in the <a href="#">Favorites Manager</a> , if the show is not currently a Favorite. If the show is already a Favorite, it will be removed from your list of Favorites after you confirm the removal.
Don't Like	Ctrl+J	23	Toggles the Don't Like setting for the currently highlighted show or recording. SageTV will not record shows that you mark as Don't Like, unless it is a manual recording. If Intelligent Recording is enabled, shows marked as Don't Like are not considered for recording and will influence which other shows may not be recorded.
			<b>Notes:</b> To turn Intelligent Recording on or off, see the <a href="#">Intelligent Recording</a> option at <a href="#">Detailed Setup: General Settings</a> .
			This command can also be used on groups of shows. A confirmation dialog will ask whether to Set or Clear the Don't Like status for all shows in that group.
Info	Ctrl+I	24	While in a menu: jumps to the detailed information screen for a highlighted video. During playback: Toggles the On Screen Display (OSD) on or off.

<b>Command</b>	<b>Default Keystroke</b>	<b>Event #</b>	<b>Description</b>
<b>Record</b>	Ctrl+Y	25	This command is used to add or remove a scheduled Manual Recording, or even a Favorite. See the <a href="#">Record Command Options Dialog</a> to see the various choices available when this command is used.
			Shows marked as a Manual Recording take priority over all other types of recordings and will never be automatically deleted by SageTV. Shows listed in the <a href="#">Program Guide</a> that are marked as Manual Recordings will be added to the upcoming recording schedule.
<b>Mute</b>	Ctrl+Shift+M	26	Toggles audio playback on or off.
<b>Full Screen</b>	Ctrl+Shift+F	27	Toggles whether SageTV should make its Window full screen or not.
<b>Home</b>	Home	28	Jumps to the <a href="#">Main Menu</a> .
<b>Options</b>	Escape, Ctrl+O	29	Toggles the display of the Options pop-up menu for the current menu or media playback type.
<b>Num 0</b>	0, Num0	30	Enters the number 0.
			Used to enter channel changes during media playback. While watching live TV, enter the channel number you wish to watch, then use the <a href="#">Select</a> command. During DVD playback, this jumps to the specified chapter. During music playback, it jumps to the track number.
			In the <a href="#">Program Guide</a> , enter a number followed by <a href="#">Select</a> to jump to that channel in the listings. Or, enter a number and then use the <a href="#">Page Right</a> or <a href="#">Page Left</a> command to jump ahead/back that many days in the guide.
<b>Num 1</b>	1, Num1	31	Enters the number 1.
<b>Num 2</b>	2, Num2	32	Enters the number 2.
<b>Num 3</b>	3, Num3	33	Enters the number 3.
<b>Num 4</b>	4, Num4	34	Enters the number 4.
<b>Num 5</b>	5, Num5	35	Enters the number 5.
<b>Num 6</b>	6, Num6	36	Enters the number 6.
<b>Num 7</b>	7, Num7	37	Enters the number 7.
<b>Num 8</b>	8, Num8	38	Enters the number 8.

<b>Command</b>	<b>Default Keystroke</b>	<b>Event</b>	<b>Description</b>
		#	
Num 9	9, Num9	39	Enters the number 9.
Search		40	Jumps to the <a href="#">Search</a> .
Setup		41	Jumps to the <a href="#">Detailed Setup</a> .
Library		42	Jumps to the <a href="#">Video Browser</a> menu.
Power On		43	Wakes SageTV if it is sleeping.
Power Off		44	Sleeps SageTV if it is running.
Mute On		45	Turns audio playback OFF.
Mute Off		46	Turns audio playback ON.
Aspect Ratio Fill		47	During video playback, stretch the video to fill the SageTV playback area.
Aspect Ratio 4x3		48	During video playback, force playback to fit the video into a 4x3 ratio area, stretching or shrinking the video to do so.
Aspect Ratio 16x9		49	During video playback, force playback to fit the video into a 16x9 ratio area, stretching or shrinking the video to do so
Aspect Ratio Source		50	During video playback, use the video source information to determine the playback aspect ratio.
Right & Volume Up	Ctrl+Right	51	Combo command <b>Menus:</b> Moves the menu focus to the item towards the right of the currently highlighted item. If there is no such item, it will select the item and proceed to the next screen. <b>Playback:</b> Increases audio volume.
Left & Volume Down	Ctrl+Left	52	Combo command <b>Menus:</b> Moves the menu focus to the item towards the left of the currently highlighted item. If there is no such item, it will return you to the previous menu. <b>Playback:</b> Decreases audio volume.

<b>Command</b>	<b>Default Keystroke</b>	<b>Event #</b>	<b>Description</b>
Up & Channel Up	Ctrl+Up	53	Combo command <b>Menus:</b> Moves the menu focus to the item above the currently highlighted item. Many menus will wrap from top to bottom if there is no item above the current one. <b>Playback:</b> If watching live TV, change to the next higher channel number. If playing a DVD, jump to the next DVD chapter. If playing music, jump to the next track.
Down & Channel Down	Ctrl+Down	54	Combo command <b>Menus:</b> Moves the menu focus to the item below the currently highlighted item. Many menus will wrap from bottom to top if there is no item below the current one. <b>Playback:</b> If watching live TV, change to the next lower channel number. If playing a DVD, jump to the previous DVD chapter. If playing music, jump to the previous track.
Page Up	F5	55	Moves one page up.
Page Down	F6	56	Moves one page down.
Page Right	F8	57	Moves one page to the right.
Page Left	F7	58	Moves one page to the left.
Play/Pause	Ctrl+Shift+S	59	Toggles between paused & playing. If playing, playback will pause. If paused, playback will resume.
Previous Channel		60	During media playback, switches to the previously playing media. That could be the previously watched channel while watching live TV, the previously viewed recording or video, or the previously played song.
Skip Fwd #2	Ctrl+F8	61	Fast Forward 2:30 – 2 minutes, 30 seconds. (This time is adjustable in <a href="#">Detailed Setup: Customize Settings</a> .)
Skip Bkwd #2	Ctrl+F7	62	Rewind 2:30. (This time is adjustable in <a href="#">Detailed Setup: Customize Settings</a> .)
Live TV		63	From a menu: Jumps to live TV playback.  During playback: Jumps playback to the current time for live TV.
DVD Reverse Play		64	Toggles DVD playback between forward play and reverse play.

<b>Command</b>	<b>Default Keystroke</b>	<b>Event</b>	<b>Description</b>
		#	
DVD Next Chapter		65	Jumps to the next DVD chapter.
DVD Prev Chapter		66	Jump to the previous DVD chapter.
DVD Menu		67	Jumps to the DVD's menu.
DVD Title Menu		68	Jump to the DVD's title menu.
DVD Return		69	Returns the DVD display from a submenu to its parent menu.
DVD Subtitle Change		70	Changes to the next DVD subtitle language, if others are available.
DVD Subtitle Toggle		71	Toggles whether DVD subtitles are displayed.
DVD Audio Change		72	Changes to the next DVD audio language, if others are available.
DVD Angle Change		73	Changes to the next DVD playback angle, if others are available.
DVD		74	Initiates DVD playback if SageTV finds a DVD in the DVD drive on your computer.
Back	Alt+Left	75	SageTV remembers the sequence of menus and playback screens you viewed. Use <b>Back</b> to jump back to the previous SageTV screen you were viewing in that sequence.
Forward	Alt+Right	76	SageTV remembers the sequence of menus and playback screens you viewed. After using the <b>Back</b> command to jump back in that sequence of screens, use <b>Forward</b> to return to the screens ahead of the current one. <b>Forward</b> will not do anything if there are no screens to jump forward to.
Customize	Ctrl+Shift+F12	77	Opens SageTV Studio, where you can edit STV files. See <a href="#">SageTV Studio</a> for more information about Studio. (Not available during a trial period.)
Custom1		78	Performs a custom command when using a custom STV, if this command has been assigned a function.
Custom2		79	Performs a custom command when using a custom STV, if this command has been assigned a function.

<b>Command</b>	<b>Default Keystroke</b>	<b>Event #</b>	<b>Description</b>
Custom3		80	Performs a custom command when using a custom STV, if this command has been assigned a function.
Custom4		81	Performs a custom command when using a custom STV, if this command has been assigned a function.
Custom5		82	Performs a custom command when using a custom STV, if this command has been assigned a function.
Delete	Delete	83	Available for all videos except a currently recording video, use this option to remove a video from SageTV and delete it from the computer's disk drive. A pop-up menu will ask for deletion confirmation.
			<b>Note:</b> This command can be used on grouped lists of recordings. A confirmation process will double-check that you wish to delete all the recordings, all of the watched recordings, or all of the not liked recordings in the highlighted group. Once the deletion process begins, you will have the option to cancel it, but any recordings deleted up to that point will already be deleted.
Music Jukebox		84	Jumps to the <a href="#">Music Browser</a> menu.
Recording Schedule		85	Jumps to the <a href="#">Recording Schedule</a> .
SageTV Recordings		86	Jumps to the list of <a href="#">SageTV Recordings</a> .
Picture Library		87	Jumps to the <a href="#">Photo Browser</a> .
Video Library		88	Jumps to the <a href="#">Video Browser</a> .
Stop	Ctrl+G	89	Stops playback of the current media and closes the playback file. If you are on a playback screen, you will be returned to the <a href="#">Main Menu</a> .
			If you are watching live TV and the show is not a scheduled recording, the recording process will stop also.
Eject		90	Not used by SageTV under Windows.
Stop/Eject		91	Not used by SageTV under Windows.
Input		92	Not used by SageTV under Windows.

Command	Default Keystroke	Event	Description
		#	
Smooth FF		93	Toggles Smooth Fast Forward mode when playing recordings on a Media Extender and during DVD playback on a PC with some DVD decoders. No effect during playback of recordings on a Windows system.
Smooth Rew		94	Toggles Smooth Rewind mode when playing recordings on a Media Extender and during DVD playback on a PC with some DVD decoders. No effect during playback of recordings on a Windows system.
-	- (dash)	95	The dash is used when entering ATSC TV sub channels, such as channel 5-1.
Aspect Ratio Toggle		96	Changes the Aspect Ratio to the next setting.
Full Screen On		97	Enters full screen mode.
Full Screen Off		98	Exits full screen mode.
Right & Skip Fwd		99	Combo command: <b>Menus:</b> Moves the menu focus to the item towards the right of the currently highlighted item. If there is no such item, it will select the item and proceed to the next screen. <b>Playback:</b> Fast Forward 10 seconds. (This time is adjustable in <a href="#">Detailed Setup: Customize Settings</a> .)
Left & Skip Bkwd		100	Combo command: <b>Menus:</b> Moves the menu focus to the item towards the left of the currently highlighted item. If there is no such item, it will return you to the previous menu. <b>Playback:</b> Rewind 10 seconds. (This time is adjustable in <a href="#">Detailed Setup: Customize Settings</a> .)
Up & Volume Up		101	Combo command: <b>Menus:</b> Moves the menu focus to the item above the currently highlighted item. Many menus will wrap from top to bottom if there is no item above the current one. <b>Playback:</b> Increases audio volume.
Down & Volume Down		102	Combo command: <b>Menus:</b> Moves the menu focus to the item below the currently highlighted item. Many menus will wrap from bottom to top if there is no item below the current one. <b>Playback:</b> Decreases audio volume.
Online		103	Jumps to the <a href="#">Online Services</a> menu.

Command	Default Keystroke	Event	Description
		#	
Video Output		104	Toggles through the available output resolutions that SageTV can use.
Scroll Left		105	Scrolls a scrollable table or panel so that one item comes into view from the left.
Scroll Right		106	Scrolls a scrollable table or panel so that one item comes into view from the right.
Scroll Up		107	Scrolls a scrollable table or panel so that one item comes into view from the top.
Scroll Down		108	Scrolls a scrollable table or panel so that one item comes into view from the bottom.

# Chapter 6: Troubleshooting Guide

This Troubleshooting Guide should be your first reference for any questions or problems you are having with SageTV. As new troubleshooting items are added, they will be available online at [www.sagetv.com/troubleshooting.html](http://www.sagetv.com/troubleshooting.html). For additional support, you can post your questions in our discussion forum at [forums.sagetv.com/forums](http://forums.sagetv.com/forums). If your question still remains unanswered, submit a support request at [www.sagetv.com/request.html](http://www.sagetv.com/request.html) and we will reply within 72 hours.

## General Crashes and Errors

**If you are receiving errors that contain this phrase, "Problem utilizing the specific capture configuration".**

You might not be using a supported capture card. Please check our System Requirements page at [www.sagetv.com/requirements.html](http://www.sagetv.com/requirements.html).

**If you are experiencing random crashes, lockups or freezes in SageTV:**

Be sure you have the latest drivers installed for your TV Tuner/Capture card. You may also want to try upgrading your video card drivers and updating your motherboard's BIOS to the latest version.

**Sage crashes on startup or going to Live TV. And/or I get Java errors on startup.**

Remove all versions of Java from Add/Remove programs. Install the newest version of Java into its default directory. To download Java, go to [java.sun.com/getjava](http://java.sun.com/getjava).

**If you download the trial versions of SageTV and you get the following message; "Corrupt installation detected, check source media or re-download":**

You must update your Windows Installer to the latest version. Use the "Windows Update" feature of your operating system or go to [www.microsoft.com](http://www.microsoft.com) and choose "Windows Update" from the left menu.

**If your system hangs or reboots after exiting SageTV:**

You need to upgrade to the latest version of your Java Runtime Environment from [java.sun.com/getjava](http://java.sun.com/getjava). This is a bug with Java Runtime version 1.4.1\_01.

**I have a little box that bounces around the screen.**

Your Elecard Video Decoder ([www.elecard.com](http://www.elecard.com)) trial has expired. Use a different decoder or purchase the Elecard Video Decoder.

**If upon starting SageTV, you are getting stuck at "Priming Seeker" on the splash screen, try the following solutions in order:**

- tv Check your video file directories to see if there are any "0kb" files and delete them and restart SageTV.
- tv Delete your sage.properties file and restart SageTV. Note that you will have to go back through the [Source Setup](#) to restore your configuration settings.
- tv Uninstall SageTV and delete the SageTV folder, then reinstall SageTV.

**I'm receiving the error message "There was a MPEG-2 video error in playback details: Failed connecting video stream to overlay mixer ErrCode = 0x80040217".**

- tv Go into your Detailed Setup and click on the Video tab. Change the Rendering Filter from Overlay to Default or vice versa. Then choose "Reload Media Player" for version 2 or later.

**I'm getting an error during startup of SageTV "Initializing DirectShow Recording Graph: There was a problem utilizing the specific capture configuration. Unable to connect analog video cross streams ErrCode = 0x0040217".**

Some other process is using the capture card. Make sure there are no other instances of Sage running in the system tray or any other capture programs running.

**I'm using the Hauppauge PVR-USB2 capture device. I'm getting this error message "Failed running the graph for encoding ErrCode=0&80070017".**

There is a specific USB patch from Microsoft that corrects this error. Run Windows Update ([windowsupdate.microsoft.com](http://windowsupdate.microsoft.com)) and run all current patches.

**Is there a debugging console for SageTV?**

The console can be used to troubleshoot problems. You can do this by creating a new DWORD value in the registry. Go to start, run and type in regedit. Here's the path: "**\HKEY\_LOCAL\_MACHINE\SOFTWARE\Frey Technologies\Common**". Right click on the Common folder and select New – DWORD Value. Name it "**consolewin**" without the quotes and hit enter. Now double click on consolewin and change the value from 0 to 1. This will open up a DOS window for debugging when you start SageTV.

**What does the following error message mean? "There was a problem with the Shared Async Reader Filter. Failure loading file ErrCode=0x80004005".**

If you are getting this error with SageTV Client then try to connect to SageTV by IP address instead of the computer name. If you are not using SageTV Client and this happens with SageTV, then update to the newest version of Java from [java.sun.com/getjava](http://java.sun.com/getjava).

**If your system crashes unexpectedly for any reason while SageTV is running and SageTV does not recognize the TV Tuner-Encoding card upon restart, perform the following:**

- tv Shut down SageTV and open the Sage.properties file from the SageTV directory.
- tv Find the line "**mmc/ignore\_encoders**" and delete the related device that's listed. **Note:** If a supported capture device is added to this property line, inform SageTV (at [www.sagetv.com/support.html](http://www.sagetv.com/support.html)).
- tv Save the changes and restart SageTV.

## Video Issues

### I get sound, but my Video is black.

- tv You might not be using a supported capture card. Please check our System Requirements page at [www.sagetv.com/requirements.html](http://www.sagetv.com/requirements.html).
- tv Go to the display settings for your video card. You more than likely have the Overlay surface set to be on the monitor only, so video will show up as black on your TV.
- tv Make sure you have a Video Decoder installed and selected in your Detailed Setup -> Video. Try a different Video Decoder. Also try uninstalling SageTV and deleting the SageTV folder. Reinstall SageTV. In V2 or later, you can also try disabling Overlay Color Keying.

### I can't tune to channels above 14.

Go to Setup > **Source Setup** and select the affected source. On the **Source Details** menu, make sure the Cable/Antenna setting is Cable instead of Antenna.

### If you experience a "black and white" picture using the S-video or composite input on your PVR-350:

Upgrade to the newest Hauppauge drivers and choose one of the new inputs.

### My reception is poor, but it looks fine under WinTV. I'm using the Coaxial input on the capture card.

Go to Setup > **Source Setup** and select the affected source. On the **Source Details** menu, check the Cable/Antenna setting. Change it from Antenna to Cable or vice versa. Restart SageTV and change channels to make sure it worked. Also make sure to do a scan for channels in Channel Setup.

### Poor or snowy picture quality on certain channels or all.

Sometimes the use of a Signal Amplifier can work. Also, change out the cables you are using. If you are using a splitter try using a different splitter.

### What can I do to improve the performance of the video quality? (For Hauppauge users)

Try out our registry performance increase for Hauppauge users. This works when you are also using the InterVideo NonCSS Video Decoder for Hauppauge as the selected Video Decoder in SageTV Recorder/SageTV.

Just change these registry settings to 1 while SageTV is shutdown:

- HKLM\Software\Intervideo\Custom\Hauppauge\VideoDec\Dxva
- HKLM\Software\Intervideo\Custom\Hauppauge\VideoDec\Hwmc

For the newer decoders the location is:

- HKLM\Software\IviSDK4Hauppauge\Common\VideoDec\Dxva
- HKLM\Software\IviSDK4Hauppauge\Common\VideoDec\Hwmc

## Audio Issues

### I get video, but I'm not getting any audio.

You might not be using a supported capture card. For a list of requirements, see the latest requirements listed on the SageTV website at [www.sagetv.com/requirements.html](http://www.sagetv.com/requirements.html).

### The audio stops being recorded after a certain amount of time. It's fine after I restart SageTV.

Sometimes MSN Messenger can cause this problem. Make sure you disable MSN Messenger. Also, other USB devices can cause this as you plug in and unplug them.

## Installation

### What software is necessary to run SageTV?

For a list of requirements, see the latest requirements listed on the SageTV website at [www.sagetv.com/requirements.html](http://www.sagetv.com/requirements.html).

### How do I do a clean reinstall of SageTV?

Go to Add/Remove programs and uninstall Sage. Then delete the SageTV folder. Reinstall SageTV.

**What files are necessary to backup so that I don't lose my settings and recordings?**

SageTV automatically backs up your configuration and data files. If you wish to keep an extra backup, you can backup your Sage.properties and Wiz.bin files. **Note:** If you are doing a clean install of SageTV to repair a problem, remember that the properties file may have been the source of the problem, so do not restore it after reinstalling in this case.

**I want to create a new machine for Sage and I want to keep all my favorites and settings intact. How do I do this?**

Check the FAQ for this topic in the SageTV discussion forum at:  
<http://forums.sagetv.com/forums/showthread.php?t=30697>

**What Video Decoder and Audio Decoders are defaults on my system?**

Play an MPEG-2 video in Window Media Player, and then click on File -> Properties. That will list what Video Decoder and Audio Decoder WMP uses. These are the default Decoders.

## Customizations

**I can't play DVD's through Sage. What can I do?**

Be sure to have selected a DVD compatible Video Decoder and an Audio Decoder. For example the SageTV Decoder, InterVideo NonCSS Video Decoder for Hauppauge, or the Eleckard Video Decoder are not DVD compatible.

**How do I keep the SageTV window always in front of open applications?**

Open up SageTV in windowed mode and right click on the blue bar at the top. Click on **Video Always on Top**. Or, see the [SageTV Window is Always On Top](#) option in [Detailed Setup: Multimedia Settings](#).

**How come when I play DVD's I get Closed Captioning?**

This can happen when using the Default Decoders. You need to choose another Decoder.

**How do I get 5.1 sound from DVD playback?**

It depends on your setup. You will need a sound card that supports 5.1 out and DVD Decoders. To get ideas for a setup you can search our discussion forums at [forums.sagetv.com/forums](http://forums.sagetv.com/forums).

**Can I use my cable provider's guide instead of the guide built into SageTV?**

This is not possible. SageTV needs to use its own guide to work.

**Is there a way to automatically skip commercials?**

No there isn't. You can set the interval of how much time it skips when you skip forward. It can be 10, 30, or 120 seconds. The default is 10 seconds. See the [Fast Forward & Rewind times](#) option in [Detailed Setup: Customize Settings](#).

**When I play a file in my video library, does SageTV stream the data to the client machines?**

Yes it does.

**Is there a way to export my recording schedule?**

Yes. Make sure SageTV is closed and open up your Sage.properties file and look for this line, "[scheduler\\_export\\_file](#)". Type in the path to your file after the "=" sign.

## Infrared Devices

**How do you configure the Hauppauge remote control?**

The receiver plugs into the back of the PVR card. Then, make sure you install the IR Remote application from the Hauppauge CD or website. There should be a little remote control icon in your system tray. After the IR Remote application has been installed and is working, make sure to check the box that says, "Configure support for the Hauppauge PVR-250/350 IR Remote Control", in [step 4 during SageTV installation](#). Check to make sure your batteries are good. If for some reason you install/reinstall the IR Remote application after you have installed SageTV you must then reinstall SageTV. See details for the [Hauppauge Remote](#) in the Appendix.

**If you are using an Actisys IR-200L:**

Make sure you uninstall any software related to the Actisys prior to installing SageTV or SageTV Recorder. SageTV and SageTV Recorder will install the appropriate .DLL file needed to recognize the IR-200L.

**If you are experiencing problems with the Actisys IR-200L learning your remote codes:**

Try a different learning method. The different learning methods are "press", "tap, tap", "press, tap" and "tap, press".

## License

**My trial period has run out. Can I get an extension?**

There is no way to extend your trial. You will need to reformat your computer or use another computer to try the software again. Or, the trial period is sometimes reset when a new version of SageTV is released.

**I have a valid key for SageTV Client, but I get license errors when I connect to the server. What can I do?**

Restart your server.

**If you are using the SageTVClient on more than one PC and accidentally entered the same license key from another PC you will get an error message – "Unable to connect to the SageTV Server".**

To enter the correct license key, open your SageTV folder, right-click on the SageTVClient.exe file and create a new shortcut. Then right-click on the shortcut and go to Properties. Then enter in the Target line at the end after the quotes a space and then the word REGISTER. The correct entry will look like this:

**"C:\Program Files\SageTV\SageTV\SageTVClient.exe" REGISTER.**

Then you will be prompted to enter the new license key. After your correct license key is accepted, you can delete the shortcut you just created.

## **EPG**

**My SageTV can't connect to the EPG Server to gather the guide information. What can I do?**

Make sure you don't have any Firewall protection applications running. Something like ZoneAlarm or Windows XP built in Internet Connection Firewall. If you do, you can open one port on your Firewall protection program. The port is 7760.

## **International**

**I don't live in the United States. Is there any way I can get guide data for my Sage?**

Go to our configuration page in the Support section of our web site ([www.sagetv.com/configuration.html](http://www.sagetv.com/configuration.html)) and get the XMLTV EPG Data Plugin.

## **Misc.**

**Can I record in either MPEG1 or MPEG2 formats?**

Yes you can, but MPEG1 only supports playback and record, no time shifting. There's a link on the configuration page of our web site ([www.sagetv.com/configuration.html](http://www.sagetv.com/configuration.html)) regarding creating a custom recording quality that uses MPEG1 instead of MPEG2 when using a Hauppauge encoding card. See: [www.sagetv.com/2\\_papers/HPquality.txt](http://www.sagetv.com/2_papers/HPquality.txt).

## Is there a debugging console for SageTV?

The console can be used to troubleshoot problems. You can do this by creating a new DWORD value in the registry. Go to start, run and type in regedit. Here's the path: “**\HKEY\_LOCAL\_MACHINE\SOFTWARE\Frey Technologies\Common**”

Right click on the Common folder and select New – DWORD Value. Name it “**consolewin**” without the quotes and hit enter. Now double click on consolewin and change the value from 0 to 1. This will open up a DOS window for debugging when you start SageTV.

## Client – Server Connection

### My SageTV Client is unable to connect to the server. What should I check?

Make sure the client is trying to connect to the correct IP address of the SageTV server. The [System Information](#) screen on the server lists its address and hostname. Try using that address or hostname when connecting with the client.

Make sure that SageTV and SageTV Client are allowed to communicate through ports 42024 and 7818. You may need to check the firewall for both computers to make sure those ports have been opened for those programs.

# Chapter 7: Frequently Asked Questions

Many questions that SageTV users ask are answered in the following sections. Additional answers can be found in our discussion forum at [forums.sagetv.com/forums](http://forums.sagetv.com/forums) and the forum's FAQ topic at <http://forums.sagetv.com/forums/showthread.php?t=1601>. If you need answers to a technical support issue, submit a support request at [www.sagetv.com/request.html](http://www.sagetv.com/request.html) and we will reply within 72 hours.

## General

### **Is it normal for two SageTV processes to be running on my PC?**

Yes, when viewing the list of running processes on your PC, two of each SageTV process will be listed, so you will see two SageTV.exe, two SageTVService.exe, and/or two SageTVClient.exe processes depending on how SageTV is running on your PC.

## Setup & Installation

### **SageTV is having problems controlling my cable box.**

For SageTV to control your cable box you must use a third party IR transmitter like the Actisys IR-200L available through SageTV's website. You can setup & configure the IR-200L through the [Source Setup](#). There you need to teach the IR-200L the commands to change channels on your cable box.

### **I have the IR-200L configured properly but it's missing some of my channel changes.**

The IR-200L needs to be positioned so that your cable box can receive the Infrared commands that are sent by the transmitter. Look to see where the Infrared receiver is on your cable box and position the IR-200L so that it's sending the commands to that Infrared receiver within the cable box. You may have to try a few different positions to get the best results. You may also need to adjust the delay times between IR codes sent to your box.

### **SageTV is having problems controlling my satellite receiver.**

For SageTV to control your satellite receiver you must either use the Actisys IR-200L as explained above for cable box control, a USB-UIRT, or a serial cable. If you are using a serial cable to control your satellite receiver, make sure you've selected this option during the [Source Setup](#).

**SageTV is not recognizing my remote control through my IRMan or USB-UIRT receiver.**

Check to make sure you have the correct COM or USB port selected in Setup > Detailed Setup > Commands > [Remote Control Configuration](#).

## Watching Live TV

**I'm not getting any video through SageTV.**

First check all your video connections to and from the PC. Also check to make sure you have the correct connection/source selected in SageTV in the [Source Setup](#). Then launch the application that came with your TV tuner/capture card and see if you get any video there. If not, follow the troubleshooting instructions from the manufacturer. If you see video through the manufacturer's application, try using a different video decoder within SageTV. You can access the [MPEG2 Video Decoder Filter](#) settings at Setup > Detailed Setup > Video. If the problem persists then check the discussion forum ([forums.sagetv.com/forums](http://forums.sagetv.com/)) for other discussions related to your setup or create a new post.

**I'm not getting any audio through SageTV.**

First check all your audio connections to and from the PC. Then launch the application that came with your TV tuner/Capture card and see if you hear any audio there. If not follow the troubleshooting instructions from the manufacturer. If you hear audio through the manufacturer's application, try using a different [MPEG2 Audio Decoder Filter](#) within SageTV. You can access the Audio Decoder settings at Setup > Detailed Setup > Audio. If the problem persists then check the discussion forum ([forums.sagetv.com/forums](http://forums.sagetv.com/)) for other discussions related to your setup or create a new post.

**The audio and video are out of sync during playback.**

Try changing channels or putting SageTV to sleep and restoring it. If that doesn't work, shut down SageTV and reboot your computer. If you are still having problems on a regular basis, you can modify the [Audio Playback Delay](#) in Setup > Detailed Setup > Audio.

**I'm getting audio and video but the video is of poor quality, stuttering, hesitating, etc.**

Try another [Video Renderer](#) or [MPEG2 Video Decoder Filter](#) from Setup > Detailed Setup > Video. You must put SageTV to sleep or restart for these settings changes to take effect.

**I'm trying to select a program to view from the Live TV guide but it won't play.**

Check to make sure you are selecting a program within the current time slot. Programs on Live TV are only available for viewing within their original time slots. If SageTV recorded a program it would appear under Sage Recordings.

## Recording Programs

### Can SageTV record while my PC is not on?

For SageTV to record programs your PC must be on and the SageTV application must be running. You can put SageTV to sleep instead of shutting down the application, then SageTV will appear in your Taskbar/System Tray. SageTV will then be able to perform all recordings and you will be free to use your PC for other operations. See [Sleeping SageTV](#).

### Can I watch a program while it is being recorded?

Yes, you can watch a program as it is being recorded. To view the program either select [Program Guide](#) from the [Main Menu](#) and select the specific program in the listings, or go to [SageTV Recordings](#) and select the currently recording show.

### Can I watch a different program while one is being recorded?

Yes, you can watch one program while it is recording another as long as it's a previously recorded program. If you are using multiple tuners, you can also watch different "Live" programs at the same time.

### What if I want to record two programs on at the same time?

SageTV supports the use of multiple tuners to record more than one channel at a time. Install the additional tuner cards according to the manufacturer's instructions, then launch SageTV and go through the [Source Setup](#) to configure the additional tuners. You will then be able to schedule as many recordings at the same time as the number of tuners installed and configured for SageTV to use.

### What if I set up conflicting recordings?

SageTV has extensive Conflict Resolution that will prompt you of any Favorites or Manual Recordings that are scheduled to be recorded at the same time. You will then be able to tell SageTV the priority of these recordings. When shows are aired at multiple times, SageTV will automatically record another airing to fit both programs in, when possible. For information about conflict notifications, see: [Recording Conflicts](#).

### Some of my programs especially sporting events are being cut off at end, how can I fix this?

SageTV records programs based on their allocated time span by the networks. Some events can go past their allocated time on occasion. To alleviate this you must "pad" the beginning or end of a program when you specify it to be recorded. To add padding, go to the [Recording Schedule](#), select a show, then choose [Record Options](#) to adjust its start or stop time. (Select Record if Record Options isn't visible.) View the [Favorite Details](#) of a Favorite to always add padding for those recordings.

## How do I record a Pay-Per-View event?

You can browse Pay-Per-View events by utilizing the guide within your cable box or satellite receiver. Once you find what event you are going to order, submit your order and then add that channel to SageTV in the [Channel Setup](#). Now you can specify it for recording at the airing time from the [Program Guide](#). Once the event is over remove the channel from the [Channel Setup](#) screen again.

## The SageTV EPG service

### The [Program Guide](#) is not getting updated programming information.

First go to the [System Information](#) screen to see when SageTV last updated the [Program Guide](#) data. You can access this through Setup > System Information. If it says the last attempt failed, check your internet connection or the [Autodial if Needed for Internet](#) option located within Setup > Detailed Setup > General.

### A portion of my [Program Guide](#) says “No Data”.

This means that the station has not provided programming data for that period or you've gone past the amount of data available for approximately the next 14 days. Also, if you have just finished configuring SageTV, it may not have had time to download all the guide data.

### Some of my channels are not appearing in the [Program Guide](#).

Go to Setup > Setup Video Sources > choose the configured tuner for the channel in question > [Channel Setup](#) and see if you have that channel selected for viewing. If the channel does not appear in the lineup there is a discrepancy between Zap2it, our Programming Data provider and your service provider. Please send us an email at [support@sagetv.com](mailto:support@sagetv.com) so we can contact Zap2it directly.

### Some of my ATSC, QAM, or other digital tuner channels have no or limited EPG data.

The channels may not be mapped to the correct station names. See the information about [Remapping Stations for EPG data using ATSC or QAM Digital Tuners](#), in chapter 5's section for [Channel Setup](#).

### I'm behind a firewall and I'm having problems accessing the SageTV EPG service. What ports do I need to have open on the firewall to allow SageTV to communicate to the server?

SageTV uses port 7760 in TCP/IP mode.

## Configuration & Customization

### My PC clock is out of sync with my programs.

You can have your PC system clock sync up with the SageTV guide server, which is set to the Atomic clock on a daily basis. This option is available in Setup > Detailed Setup > General.

## Firewall Settings

### What ports do I need to open in my firewall for SageTV?

These are the ports that should be opened:

- **7760 (TCP)** – This port must be opened for SageTV to be able to connect to the EPG server so that it can download program listings for the [Program Guide](#).
- **42024** and **7818 (TCP)** – These ports must be opened on both the SageTV and SageTVClient systems in order for the server to be able to communicate with the client.
- **8270 (UDP)** – This port is used for automatic server discovery when SageTV Client starts. This port is not required to be open, since you can simply enter the IP address or name of the server computer to connect to when the client starts. (See [Configure SageTV Client to Connect to the Server](#).) Also, you can configure SageTV to automatically connect to the same server every time it starts. See [Detailed Setup: General Settings](#) to set that option.
- **8000 (TCP)** – This port is only used on a Linux installation of SageTV in order to contact SageTV for license activation.

### What ports do I need to open in my firewall for SageTV network encoders?

These are the ports that should be opened when using [network encoders](#):

- **8271 (UDP)** – Should be opened on the SageTV server; used by the server to find network encoders.
- **6969 (TCP)** – Should be opened on any SageTV network encoders; used by the network encoder to talk to the SageTV server.

### What ports do I need to open in my firewall for the Media Extender?

The following ports are used by any Media Extender:

- **31100 (UDP)** – For discovering the SageTV server after booting.
- **31099 (TCP)** – For SageTV usage after fully booted and SageTV is loaded.

In addition, the following ports are also used by a Hauppauge MediaMVP Media Extender:

- **16867 (UDP)** – For booting the MVP Media Extender.
- **16869 (UDP)** – For booting the MVP Media Extender.
- **16881 (UDP)**

## What ports do I need to open in my firewall for the Placeshifter Client?

The following port is used by a Placeshifter Client:

- **31099 (TCP)** – For SageTV usage. This port should be opened on your firewall/router and forwarded to the computer that is running the SageTV server.
- **31100 (UDP)** – For SageTV Placeshifter usage. The Placeshifter uses this port to auto-discover SageTV servers on the local network.
- **8018 (TCP)** – For SageTV Placeshifter usage. When using a Locator ID to locate your SageTV server, your server uses this port to register its Locator ID and the Placeshifter client uses this port to contact the Locator server to find your server.  
**Note:** If an IP address is used instead of a Locator ID, this port does not need to be used.
- **7818 (TCP)** – For SageTV Placeshifter usage. When the Placeshifter is set to not transcode the video over a local network connection, this port is used to stream the media.

## Can the Media Extender or Placeshifter Client port be customized?

If the default port is changed, then a Media Extender will not be able to connect to the server, however a Placeshifter client will still be able to connect. The default port **31099** can be configured in sage.properties on the SageTV server computer via this property:

- **extender\_and\_placeshifter\_server\_port**

However, if your goal is to change the external port number on your router/firewall, a better solution is to use UPnP port forwarding configuration (see the [Configure Placeshifter Internet Connection](#) configuration wizard in the [Detailed Setup: Server Settings](#) menu) and choose a custom external port number. This will keep the internal port as 31099, allowing Media Extenders to still be able to connect to the server.

When using a Placeshifter Client with a custom external port number, the Locator ID will be able to automatically connect using that port. If you have your Placeshifter client connect directly to your IP address by adding a new Placeshifter server in the [SageTV Placeshifter Servers Manager](#) (see [Placeshifter Client Connections](#)), specify the address of the server followed by “:port”, such as:

- **<your IP address>:31099**

# Chapter 8: Version History

Listed below are some of the changes to SageTV and this document for versions 6.0 and later, shown in no particular order for each version. This change list does not represent every change; it is only meant to highlight some of them.

## Version 7.0

- Redesigned the user interface, with new layouts and options on most menus. The default STV file is now SageTV7.xml instead of SageTV3.xml. Use the **Options** command to explore the options available on menu.
- Seamless recording/playback transitions between shows when watching Live TV
- DirectShow demux filter for handling MKV, MP4 and FLV media types
- New 'Effects' rendering system with support for more advanced and easier to use animations (layers are no longer needed)
- Background image loading system allows for faster loading of thumbnails and other image resources w/out interfering with UI responsiveness.
- Support added for playback of ISO DVD & BDMV (BluRay) files on all platforms that support non-ISO playback (on Windows this requires the free application Virtual Clone Drive to be installed).
- New Pan/Zoom style slideshow transition effects.
- SageTV recordings now have their full metadata embedded into the file.
- When viewing the list of running processes on a PC, two of each SageTV process will be listed, so you will see two SageTV.exe, two SageTVService.exe, and/or two SageTVClient.exe processes depending on how SageTV is running on a PC.
- Added the **Plugin Manager** menu and its related menus; used to simplify installing customizations developed by other SageTV users.
- Added the SageTV HD Theater, model STP-HD300, to [Appendix M: SageTV Media Extenders](#).
- The list of [Supported Media Types](#) has been updated.
- Added support for Blu-ray video playback; see [Playing Hard Drive Based Blu-rays](#).

-  Added several new options to the [Detailed Setup](#) menu, including these options in these sections of Detailed Setup:
- General
    - [Video Recording Path Optimization Style](#) – Option to affect how SageTV chooses which recording directory to use to store the next recording.
    - [Animation Options](#) – Updated for the new animation system and to enable/disable additional options.
  - Multimedia
    - [Default Audio Language](#)
    - [Default Subtitle Language](#)
    - [SageTV Window is Always On Top](#)
  - Video / Audio
    - [VC1 Video Decoder Filter](#)
    - [Media Player for non-MPEG Files](#)
    - [HD Audio Decoder Filter](#)
    - [HD Audio Output](#)
  - Advanced
    - [Automatic Update Checks](#) – Set options regarding automatically checking for online video, STV, SageTV, and extender firmware updates.
  - Customize
    - [Font Size Limitation Settings](#)
    - [Online Video Options](#) - Expanded the set of options to include options for Channels.com online videos and setting the temporary file storage location for use when playing online videos.
    - [Ignore Leading Articles During Text Sorting](#) – New options related to ignoring articles at the beginning of text, such as ‘a’, ‘an’, and ‘the’, when sorting.
    - [Add ShowID as part of Movie Favorites](#) – An option to help limit a Favorite to a specific movie.
    - [Always ask whether to resume or restart partially watched videos](#)
    - [Automatically add converted videos to database](#)
    - [Number of Days to Schedule Recordings](#) – Set the number of days SageTV looks ahead when creating a recording schedule.
    - [For grouped items: Select opens options dialog, Info browses into group](#) – Toggles whether the [Select](#) or [Info](#) command is used to open the options dialog for a group vs browsing into the group.
    - [Use wrap-around scrolling in single column vertical lists](#)
    - [Use vertical wrap-around scrolling in the Program Guide grid](#)
    - [Use ‘Fixed Focus’ in single column non-wrapped vertical lists](#)
    - [TV Category Background Colors](#) – Adds another way to access the option to set the background colors for TV airings; already available via the [Setup](#) -> [Help](#) submenu on the [Main Menu](#).

- tv Changes to the [Favorite Details](#) menu:
  - o The **Keep At Most** setting can now be set up to 63.
  - o **User-Defined Categories** can be assigned to Favorites.
  - o The **Automatic Conversion** option can be used to automatically convert a Favorite after its recording completes.
  - o When changing the settings for a Favorite, if a change will result in the Favorite being the same as another Favorite, the change will not take effect and a message will be shown.
  - o Any Favorite can have a **Keyword** added.
- tv The default scheduling lookahead time is now 14 days. See **Scheduling up to 14 Days in Advance** under the [Notes about Scheduled Recordings](#). The setting can be changed via the [Number of Days to Schedule Recordings](#) option.
- tv STP-HD200 and STP-HD300 extenders can use graphical visualizations on the [Music Playback](#) screen.
- tv Added the **More by People in Show** option to the [Airing and Video Options Dialog](#); used to find more airings by people with credits for a show or add/change that person's Favorite.
- tv Added **Edit User Categories** and **Edit Video Information** options to the [Airing and Video Options Dialog](#) and [Grouped Airings and Videos Options Dialog](#); used to edit user defined categories for recordings and MPAA rating and category for imported videos.
- tv The [Check for STV Update](#) option in [Detailed Setup: Advanced Settings](#), used to check for, download, and install updates for the default user interface, is now available on Windows Vista and Windows 7 systems even if UAC is enabled.
- tv Added the [Channel Manager](#) menu, used to enable or disable channels from all lineups in one place.
- tv Overhauled the UI theme system; see: [Appendix O: User Interface Themes](#).
- tv The [Video Playback Options Menu](#) and [DVD Playback Options Menu](#) now have options to **Jump to Beginning** and **Jump to End**.
- tv Added **Enter Network Path** to the [File Browser Options](#) when browsing a network file system in the [File Browser](#) menu.
- tv The [SageTV Recordings](#) menu can filter by user defined categories as part of its [Filtering Options](#) dialog.
- tv The number of views on the [SageTV Recordings](#) menu can be configured from 4 to 8 via the **Number of Views** option in the [SageTV Recordings Menu Options](#) dialog.

- The Parental Control Restrictions menu allows restricting access to setup related menus.
- Added Channel.com Web Shows to the Online Services menu.
- The Video Browser menu now has a Category view, which groups all imported videos by their categories.
- The Video Browser Menu Options dialog's Advanced Options now has an option to choose whether recorded files found by SageTV in video import directories should be considered to be recordings or imported videos.

## Version 6.6

- Added the System Messages menu, where important SageTV system status and information messages are listed. Alert icons are displayed on the menu header when new system messages have been added. See Status Indicator Icons.
- The Channel Setup series of menus have been reorganized and improved. There are too many changes to be listed here. See the Channel Setup, Remap Channel, Add Channel to Lineup, and Channel Scan Results menus for full details about their usage.
- The folder view of the Music Browser menu can now be configured to display the music import folders separately or combined into a single tree view.
- Added Always start video playlist items from the beginning option in Detailed Setup: Customize Settings.
- Added "Maximum Results per Search" option in Detailed Setup: Customize Settings.
- Added "Debug Logging" option in Detailed Setup: Advanced Settings.
- Added the "H.264 Video Decoder Filter" option in Detailed Setup: Video/Audio Settings.
- Added the "Reload last custom STV" option in Detailed Setup: Advanced Settings.
- During Picture Viewing, use of the Pause and Play commands will also pause and resume music playback if music is playing while viewing a slideshow.
- Added the "Allow Placeshifter clients to automatically login" option in Detailed Setup: Server Settings.
- Slideshows may be played in random order via an option available when starting a slideshow on the Photo Browser menu, or via the "Random Screen Saver Slideshow Order" option in the Screen Saver Options dialog in Detailed Setup: General Settings.

- tv Added support to recognize Blu-ray (BD) disks in the [Video Browser](#) and other appropriate places.
- tv Default recording quality settings can no longer be set for digital tuners via the “[Recording Quality](#)” option in [Detailed Setup: Multimedia Settings](#). Also, when trying to configure recording quality settings there or via the [Record Options](#) for Manual Recordings and [Recording Quality](#) for Favorites, the user is warned if only digital tuners are in use or if there is a mixture of digital and analog tuners. The warning can be disabled after viewing it.
- tv Added the [Reset Disabled Warnings](#) option in [Detailed Setup: Customize Settings](#).
- tv The “[Automatically Enable Channels Newly Added to EPG Lineups](#)” option in [Detailed Setup: Customize Settings](#) is also available on the [Channel Setup](#) menu via the [Options](#) command.
- tv When setting a Manual Recording for an airing that is a padded Favorite, a dialog will ask whether the Manual Recording should inherit the Favorite’s start and end padding.
- tv Closed captions are now supported; see [Appendix K: Closed Captions](#).
- tv The [Video Playback Options Menu](#) and [DVD Playback Options Menu](#) now have additional subtitle and closed caption options.
- tv The [Aspect Ratio Mode selection dialog](#) now has the “ZoomC” and “Fill Wide” aspect ratio modes for HD Extenders only.

## Version 6.5

- tv Added the SageTV HD Theater, model STP-HD200, to [Appendix M: SageTV Media Extenders](#). And, added references to using the new SageTV STP-HD200 HD Theater as an extender, in places where only the STX-HD100 had been mentioned.
- tv Added information for [Remapping Stations for EPG data using ATSC or QAM Digital Tuners](#) as part of the [Channel Setup](#) description.
- tv Added [Display OSD between Playlist Segments](#) option in [Detailed Setup: Customize Settings](#). Configure whether the OSD will appear on the playback menu when a music or video playlist changes to a different playlist item.
- tv Added [RC5 Repeat Detection](#) option in [Detailed Setup: Customize Settings](#), for HD extenders only. This option can be used if you have a customized remote that does not properly toggle the codes for the RC5 IR protocol.
- tv The [Remote Control Options](#) dialog in the [Source Details](#) menu now includes an option to set the **IR Blaster Repeat Factor**.

- tv Like the [Music Browser](#) menu already did, the [File Browser](#) menu now displays the playback information and controls at the bottom of the screen only when media is playing; when nothing is playing, the browser content expands to fill the space.
- tv Added an option to **Clear all Remapped Channels** in the [Edit Channel Lineup](#) dialog on the [Channel Setup](#) menu.
- tv During video playback, if the video contains multiple subtitle languages, the pop-up Options menu will contain a choice for selecting the subtitle language to use.

## Version 6.4

- tv Added more information about the [Aspect Ratio Mode selection dialog](#), where the aspect ratio mode can be selected during playback and where custom aspect ratio modes can be created and edited while using the STX-HD100 or STP-HD200 HD extender.
- tv Added the [Revert to the default STV](#) option in [Detailed Setup: Advanced Settings](#), used to load the default STV when a custom STV is currently loaded.
- tv After choosing the EPG data provider in [Source Setup](#), if the lineup is already in use by another source using a different physical input type, the user is asked whether to use the same channel lineup or to copy the channels to a separately configurable lineup.
- tv Added a new [File Browser](#) menu, where you can browse the SageTV server's files, local files, network files, import library paths, or recording paths, depending on the available file systems and media paths.
- tv The General tab on the [Placeshifter Settings](#) dialog now has a selection for Local Filesystem Security, determining the SageTV server's level of access to files on the Placeshifter's computer.
- tv When available, EXIF information is displayed when viewing the detailed information dialog for a photo.
- tv Added a "Regenerate Thumbnail" option to the [Options Menu While Viewing a Single Image or a Slideshow](#) to force the photo's thumbnail to be regenerated.
- tv When rotating a photo from the [Options Menu While Viewing a Single Image or a Slideshow](#), if the photo has camera orientation data, there will be an option to autorotate the image to its correct orientation.
- tv Due to changes in the weather.com information feed, the [Weather](#) menu now contains a 5-day forecast.
- tv The [Favorites Manager](#) can list all the Favorites sorted by Priority or by Title.

- tv On the [Recording Schedule](#) menu, added an option to configure the number of tuner columns displayed in the Parallel schedule viewing mode.
- tv Added the [DirecTV Fast Serial Channel Changes](#) option in [Detailed Setup: Customize Settings](#) to allow choosing Fast or Normal mode for changing DirecTV channels via serial cable.

## Version 6.3-B

- tv Fully downloaded online video and audio-only files may be saved from the [Video Playback](#) or [Music Playback](#) screen by using the [Record](#) command or the [Save Downloaded File](#) option in the pop-up options dialog during playback. The files will become imported media, available for playback from the [Video Browser](#) or [Music Browser](#).
- tv Favorites can be limited to multiple channels on the [Favorite Details](#) menu, instead of being limited to only a single channel.
- tv Imported DVD files no longer need to be in the VIDEO\_TS subdirectory; see: [Appendix I: Playing DVDs and BDs from the Hard Drive](#).
- tv On the [Program Guide](#), the [Skip Fwd #2](#) and [Skip Bkwd #2](#) commands can be used to jump 1 day ahead or back, respectively. Or, enter a number before using those commands to jump by that many days.

## Version 6.3-A

- tv The trial usage period is now 21 days.
- tv Added the SageTV HD Media Extender, model STX-HD100, to [Appendix M: SageTV Media Extenders](#).
- tv The [Favorite](#) command is now available for grouped TV airings or recordings. See [Grouped Airings and Videos Options Dialog](#) for more information.
- tv Added new options in [Detailed Setup: Multimedia Settings](#) for [Output Resolution](#) and [Native Output Resolution Switching](#).
- tv Added the [SageTV MPEG Video Decoder uses DXVA \(hardware acceleration\)](#) option in [Detailed Setup: Video/Audio Settings](#), which is used to enable or disable hardware assisted video decoding when using the SageTV MPEG Video Decoder.

## Version 6.2

- tv Added a new appendix to cover some of the SageTV differences on the various operating systems which can be used with SageTV. See: [Appendix P: Operating System Differences](#).
- tv Added a new consolidated [Search](#) menu, where you can search for any type of media.
- tv Added [Instant Search](#), where search text can be entered while on a navigation menu before jumping to the Search menu. Also added the [Instant Search mode on Navigation Menus](#) option in [Detailed Setup: Customize Settings](#), used to configure how the Instant Search feature works while on navigation menus.
- tv The [Remote Control Options](#) dialog in the [Source Details](#) menu now includes an option to set a [Prefix Code](#), which is transmitted before transmitting the digits for a channel change.
- tv The [TV Show Editorials](#) and [TV Show Highlight](#) menus now include markers on the editorials to indicate which shows are scheduled to be recorded, along with which ones are first runs, watched, etc.
- tv The [YouTube Video](#) and [Google Video](#) content lists are cached for several minutes, so that the same category can be viewed again without having to wait for the list to download again every time that category is selected. In addition, their search results menus have a category bar providing quick access to some other categories without leaving the search results menu.
- tv The [Music Browser](#) menus display the playback information and controls at the bottom of the screen only when media is playing; when nothing is playing, the browser content expands to fill the space.
- tv Added the [Channel Entry Options](#) in [Detailed Setup: Customize Settings](#), where auto-accept after timeout can be enabled and the maximum number of digits in a channel can be set.
- tv Added the [Optimized Image Loader](#) option in [Detailed Setup: Advanced Settings](#); when enabled, the option allows for faster loading of larger images.
- tv The [Video Detail](#) screen for imported videos can now display details about a video, if metadata has been imported along with the video.
- tv Can jump to the [System Information](#) display from the [Main Menu](#) by using the [Info](#) command.

## Version 6.1

- tv Added YouTube Video link to the [Online Services](#) menu.
- tv The Placeshifter client can now be controlled by remote control. It can use an IRMan or USB-UIRT IR receiver, and can respond to MCE remotes, multimedia keyboards, and commands sent via Windows messages. See [Placeshifter Settings](#) to use an IRMan or USB-UIRT, and see [SageTV Commands](#) for information about using messages or multimedia keyboards and remotes.
- tv Added notes about hard drive based DVD playback to [Appendix I: Playing DVDs and BDs from the Hard Drive](#).
- tv When a music item is highlighted in the [Music Browser](#), the **Play** command can be used as a shortcut to add the music to any currently playing playlist. Previously, this shortcut was only available when the **Now Playing** playlist was playing. Also, when music is added to a playlist, a semi-transparent message is temporarily shown, confirming that the action has been taken.
- tv Moved the Server options from [Detailed Setup: Advanced Settings](#) to the new [Detailed Setup: Server Settings](#) menu.
- tv The [Photo Browser](#) can now sort pictures by filename or file date, in either ascending or descending order.
- tv The **Stop** command may be used while on the [Channel Setup](#) menu to stop playback of the channel video preview.

## Version 6.0

- tv The [Online Services](#) menu is now accessible from the [Main Menu](#), and has been extended to include links to the [Google Video](#) and [TV Show Editorials](#) menus.
- tv A pop-up dialog has been added to provide options to be performed on an entire group of airings or videos. See the [Grouped Airings and Videos Options Dialog](#) for details.
- tv The new [Series Information](#) screen provides more information about a series, such as a description of the series, its history, and list of cast members. Only available when a series has such data to be viewed.
- tv Videos may be converted from one format to another. The current status of all conversion processes can be viewed on the new [Video Conversions](#) screen.
- tv During video playback, if the video contains multiple languages, the pop-up Options menu will contain a choice for selecting the language to use.

- tv During music playback, the background visualization can be changed to show information about the currently playing song.
- tv A **Photo Slideshow** may be used as the Screen Saver Style setting in the [Screen Saver Options](#) dialog in [Detailed Setup: General Settings](#). Also, if music is playing, the music information will be displayed as the screen saver.
- tv The settings to be used when a mouse button is clicked and held over an icon are configured via the new [Mouse Auto-Repeat Rate](#) option in [Detailed Setup: Customize Settings](#).
- tv The MVP Media Extender can play imported DVDs in the video library. See [MVP Supported Media Types](#).
- tv Left-clicking on the video preview window while video playback is active in that window will cause SageTV to jump to the playback screen.
- tv Added the [Adjust Display Aspect Ratio](#) screen to both [Detailed Setup: Multimedia Settings](#) and [Configuration Wizard: General and User Interface Options](#).
- tv During [Picture Viewing](#) for a single picture, if there are additional pictures in the same folder as the current picture, you can scroll through the pictures without leaving the viewing screen.
- tv The [Picture Viewing](#) screen has been updated to treat all picture viewing as a slideshow. If a slideshow is started, it will play according to the slideshow option settings. If a single image is viewed, a slideshow of all images in the current folder will begin in paused mode, with the selected image displayed. From this paused state, the [Play](#) command can be used to switch to active slideshow mode. Additionally, the options available while viewing pictures have been expanded and displayed as a transparent overlay on top of the current picture.
- tv The Shift+Ins keystroke can be used to paste the text contents of the system clipboard into a text entry field.
- tv When configuring a DVB tuner source, the DVB region or provider will be selected from a list presented after choosing the Device Input during [Source Setup](#). And, after the source has been added, there will be an option to choose the DVB region or provider on the [Source Details](#) menu.
- tv Additional information has been added for remapping digital channels. See [Remapping Channels for Digital Tuners](#).

## Appendix A: SageTV Properties Settings

In addition to the customization settings available on the [Detailed Setup](#) menus, SageTV has additional advanced settings that can be changed by editing the properties file, found in your SageTV directory.:

- tv When using SageTV in Service Mode, the service will use **Sage.properties** while the UI will get its settings from **SageClient.properties**.
- tv When not using Service Mode, SageTV uses only **Sage.properties**.
- tv SageTVClient uses **SageClient.properties**.
- tv The Media Extender and Placeshifter clients use properties files located in the **clients** directory, found in your SageTV installation directory. **Notes:** The **clients** folder may not exist after installing SageTV; it is automatically created when it is needed, as a remote client connects. Not all properties affect these remote clients.

Some of the properties file settings correspond to settings made within SageTV. We recommend saving a copy of your existing properties file before editing it.

To change any of the settings in the properties file, you must first exit the service, SageTV, or SageTVClient completely; do not just put it to sleep. See [Exiting SageTV](#) for exiting the UI portion and [Controlling SageTV's Service Mode Options](#) for stopping the service. If you do not exit SageTV first, any changes will be overwritten the next time SageTV exits and the new settings will never be used. After exiting, you can edit the properties file in any basic text editor, such as Windows Notepad with Word Wrap turned off. When done, save the file and restart SageTV or SageTVClient.

**Note:** You will need to precede any of the three special characters ‘:’ (colon), ‘=’ (equal sign), or ‘\’ (backslash) with a ‘\’ backslash before using them in a property value. However, when the equal sign is used to assign a property value, it does not need the extra backslash.

### Configurable properties for SageTV Version 2.0 and later

#### **actisys\_irtune\_global\_preroll**

amount of time in milliseconds to wait after a channel switch before performing any external tuning operation

#### **always\_autotune**

true/false to allow autotuning for best frequency

**antialias\_text**

whether or not to use antialiasing for rendering text

**antialias\_text\_point\_size\_min**

if antialiasing text is enabled, fonts below this point size will not be antialiased

**epg/epg\_import\_plugin**

Java class name for EPG plugin

**close\_video\_on\_pvr350osd\_reset**

if the PVR350 OSD reports an error this will also close the MediaPlayer before trying to reset the 350 OSD

**disable\_desktop\_ui\_rendering**

disables drawing the UI to the desktop window when **3D Acceleration** is **Disabled** in the **Detailed Setup: Advanced Settings** configuration menu

**epg/logo\_dir**

directory to use for importing channel logos in .jpg, .gif or .png format

**java2d\_render\_higher\_quality**

enables high quality rendering when the 3D renderer is disabled

**load\_at\_startup\_runnable\_classes**

list of classes to create instances of and create threads for at SageTV startup. The classes must implement “Runnable”.

**media\_player\_uses\_system\_volume**

if set to false will use the media player's volume controls instead of the windows system volume controls

**minimum\_video\_memory\_for\_dx9**

the minimum amount of VRAM of computer needs to have to allow 3D acceleration to be enabled

**mmc/country\_code**

number that specifies which country's tuning frequencies to use for channel tuning; use the international telephone code for your country.

**mmc/feature\_mask\_disable**

allows disabling of certain hardware multimedia functions, a value of 8 will disable the Hauppauge Micronas hack which may be causing PAL users some problems

**mmc/ignore\_encoders**

list of the capture devices for SageTV to ignore, these will NOT show up in the list of capture devices

**mmc/encoders/XXX/encoder\_merit**

used to determine which capture device is 'preferred' when all other things are equal; higher numbers mean higher priority

**mmc/encoders/XXX/never\_stop\_encoding**

will cause SageTV to never stop recording on that capture device, helps fix problems with the PVR350 TV output crashing

**mmc/video\_format\_code**

Can be one of the following values:

- 0 AnalogVideo\_None
- 1 AnalogVideo\_NTSC\_M
- 2 AnalogVideo\_NTSC\_M\_J
- 4 AnalogVideo\_NTSC\_433
- 16 AnalogVideo\_PAL\_B
- 32 AnalogVideo\_PAL\_D
- 128 AnalogVideo\_PAL\_H
- 256 AnalogVideo\_PAL\_I
- 512 AnalogVideo\_PAL\_M
- 1024 AnalogVideo\_PAL\_N
- 2048 AnalogVideo\_PAL\_60

SageTV interprets anything below 8 to be NTSC and anything >= 8 to be PAL.

**quick\_menu\_sizes**

list the SageTV window sizes available for quick access when you right-click on the window's title bar, separating WxH options with commas. The property is initially set for two sizes: 640x480,320x240. Heights will be automatically corrected for PAL users.

**sagetv\_port**

port to use for TCP/IP connections between the SageTV Client & SageTV

**scheduler\_export\_file**

set to write a file out with the current Sage recording schedule, can be used to create a simple web page to show SageTV's current scheduled recordings

**seeker/channel\_change\_ask\_advance**

amount of time before SageTV needs to change the channel that it will ask, in milliseconds

**seeker/max\_duration\_encoder\_reset**

the maximum amount of time that can pass before resetting a non-multiplexed MPEG encoder, in milliseconds

**seeker/music\_library\_import\_filename\_extensions**

list of music filename extensions that are valid for Library importing

**seeker/picture\_library\_import\_filename\_extensions**

list of picture filename extensions that are valid for Library importing

**seeker/use\_errant\_dir**

Set to true to move errant recordings to a subfolder called "errant" in the existing Video Directory. If false, the unrecognized recordings will be imported into the Video Library instead.

**seeker/video\_library\_import\_filename\_extensions**

list of video filename extensions that are valid for Library importing

**startup\_delay**

causes a sleep when the app loads before it does anything, can help with loading at startup issues

**time\_zone**

can be used to force a time zone setting; set to the ID for your TimeZone, either an abbreviation such as "PST", a full name such as "America/Los\_Angeles", or a custom ID such as "GMT-8:00", without quotes.

**ui/disable\_2d\_double\_buffering**

disables double buffering in the UI when not using the 3D renderer

**ui/fixed\_resolution\_height**

height for the PVR350 OSD in pixels, set to 576 to use the PVR350 OSD in PAL format, also set the DWORD registry variable:

**HKEY\_LOCAL\_MACHINE\SOFTWARE\Frey Technologies\Common\NTSC=0**

**ui/focus\_follows\_mouse**

if true then items will obtain the focus when the mouse cursor moves over them

**ui/frame\_decoration**

This setting has an effect on how the SageTV window looks. **0**=standard frame, **1**=frame with no title bar (can't be moved), or **2**=frame with no border or title (can't be moved or resized).

**ui/system\_memory\_2dimage\_cache\_size**

minimum bounds to use when maintaining the system memory image cache

**ui/system\_memory\_2dimage\_cache\_limit**

maximum bounds to use when maintaining the system memory image cache

**ui/text\_shadow\_always**

if true, text shadowing will always be used.

**ui/text\_shadow\_never**

if true, text shadowing will never be used. Will be overridden if **ui/text\_shadow\_always** is also set to true.

**ui/thumbnail\_folder**

folder to store thumbnails created by SageTV for imported picture files

**ui/thumbnail\_height**

height to use when generating thumbnails

**ui/thumbnail\_width**

width to use when generating thumbnails

**ui/video\_memory\_image\_cache\_limit**

the maximum amount of VRAM that SageTV will use to cache 3D textures

**videoframe/additional\_audio\_filters**

additional options for the Audio Decoder Filters. Semicolons separate additional FilterName entries.

**videoframe/additional\_video\_filters**

additional options for the Video Decoder Filters. Semicolons separate additional FilterName entries.

**videoframe/disable\_visualizations**

true/false for music visualizations

**videoframe/local\_encoding\_to\_playback\_delay**

the amount of time SageTV should wait after starting recording of a file to start playing it back if the capture device is not a network encoder

**videoframe/network\_encoding\_to\_playback\_delay**

the amount of time SageTV should wait after starting recording of a file to start playing it back if the capture device is a network encoder

**videoframe/skip\_dvd\_menus**

when playing back a DVD SageTV will attempt to skip over any DVD Menus and start playing the movie directly, sometimes this is not allowed by the DVD

**videoframe/time\_behind\_live\_to\_disable\_skip\_forward**

the amount of time you can be behind 'live TV' for SageTV to not allow you to try to skip forward anymore

**videoframe/time\_to\_start\_into\_tv\_file\_playback**

amount of time to start after the beginning of anything recorded from TV, used to avoid seeing the channel change at beginning of a recording

**videoframe/volume\_step**

fraction to increase the volume by for volume adjustments (scale of 1-100)

**wizard/clear\_profile**

will remove all information from the database concerning things you've watched or recorded and all of your favorites

**wizard/clear\_watched**

will remove all information from the database about things you've watched with SageTV

**wizard/widget\_db\_file**

the STV file that SageTV should load for its application definition, including the full path to the file.

## Appendix B: Adding Channel Logos

SageTV supports the use of channel logo images in the [Program Guide](#), or nearly any place where the channel name is displayed. The logos are stored in the directory specified by the `epg/logo_dir` property, by default this would be a subdirectory named "**ChannelLogos**" in your SageTV directory. SageTV can import logos stored in the JPEG (.jpg), GIF (.gif), or PNG (.png) formats.

To add a logo for a channel, first determine the channel name: simply look at the [Program Guide](#) to see the name displayed under the channel number. In the screen portions shown, channel 39 is TBS. The channel name is then used as the name of the image file to be used as the logo: if the file happens to be a JPEG image, the filename would be: "**tbs.jpg**", without the quotes. Place a copy of that file in the logo directory. If SageTV is already running, it will automatically find the file and begin using it as the logo for TBS, so there is no need to restart SageTV. However, sometimes there may be a delay before new logos are recognized and loaded. If you wish to have the logos loaded and used immediately, you can exit and restart SageTV.



SageTV does not provide channel logos. You may either create the images yourself or download them from various web sites, such as [www.satlogo.com](http://www.satlogo.com). Search the internet for other logo sources.

## Appendix C: Managing Recording Files

SageTV can automatically manage the disk space for all the video recording directories configured in [Detailed Setup: General Settings](#), including deleting old recordings to make room for new ones. Or, if you prefer, you can manage the recordings yourself, removing recordings you no longer wish to keep by using the [Delete](#) command. Either way, if you do happen to run out of available disk space in all your video recording directories, SageTV will still automatically remove recordings when it needs to do so to make space for new ones. **Note:** If there is not enough space available to create a new recording and none of the existing recordings may be deleted automatically, then SageTV will be unable to record additional shows until you delete some recordings.

### Where to Store the Next Recording

When SageTV prepares to record a new show, it first must decide where to store the recording.

**When there is a single recording to be active:** if there is enough free space already available for the expected size of that single recording, SageTV will simply choose to store the recording in the video directory that has the most space available. Thus: the video directory with the most space available for use by SageTV will always be used first. Remember: when determining the amount of space available in a directory, SageTV will take into account the space you may have specified that it should not use on that drive. If the free space is 40GB, but you told SageTV to leave 15GB free for that video directory, only 25GB is available.

**When multiple recordings are active at the same time:** depending on the [Video Recording Path Optimization Style](#) setting, SageTV may decide to store the next new recording in the recording directory with the most available free space (the default **Optimize for Space** setting) or it may try to spread simultaneous recordings across multiple recording directories so that not all recordings are being written to the same drive at the same time (optional **Optimize for Bandwidth** setting). **Note:** When optimizing for bandwidth and there is not enough free space for a new recording, SageTV may delete recordings that are the lowest priority in the recording directory it selects to store the new recording, but the deleted recordings may not be the lowest priority of all existing recordings.

**Note:** It is recommended that you not specify more than one video directory for each drive or partition being used to store SageTV recordings, otherwise SageTV could report that more space is available than there actually is when you view the [System Information](#) display.

### No More Free Space

At some point, if you allow SageTV to manage your recording files for you, there will not be enough space available for a new recording. When this happens, SageTV will automatically

delete an existing recording to make room for another one. Which show gets deleted is determined by the relative priorities of all recording types, with lower priority recordings being deleted before those with a higher priority. From highest to lowest, the priority rankings are:

- TV Manual Recordings and Favorites with AutoDelete off. **Note: These types of recordings are never automatically deleted.**
- TV Favorites with AutoDelete on
- TV Intelligent Recordings
- TV Watched Shows
- TV Live TV
- TV Recordings marked as Don't Like

This ranking means that recordings marked as Don't Like are deleted first; then Live TV; then shows marked as watched; then Intelligent Recordings; then deletable Favorites. If two shows have the same priority, the older of the two will be deleted first. Some further notes:

- TV **Manual Recordings are never automatically deleted by SageTV.**
- TV **Favorites with AutoDelete set to 'No' (Manual) are never automatically deleted by SageTV.**
- TV **Archived SageTV Recordings are never automatically deleted by SageTV.**
- TV **Intelligent Recordings will not be scheduled in place of Manual Recordings or Favorites, nor will any unwatched deletable Favorites be deleted to make room for new Intelligent Recordings.**
- TV **When optimizing for bandwidth and there is not enough free space for a new recording, SageTV may delete recordings that are the lowest priority in the recording directory it selects to store the new recording, but the deleted recordings may not be the lowest priority of all existing recordings.**
- TV **If there is not enough space available to create a new recording and none of the existing recordings may be deleted automatically, then SageTV will be unable to record additional shows until you delete some recordings.**

## Automatic Cleanup of Live TV

When used with the Intelligent Recording feature disabled, SageTV is initially configured to automatically delete all Live TV recordings that are not scheduled Favorites or Manual Recordings. So, if you were to watch Live TV, the recording file used while the show is airing will be saved to your drive; however, shortly after it finishes airing and you stop watching the recording, it will be deleted. If the Live TV that you watch happens to be an in-progress recording of a scheduled Favorite or Manual Recording, that show will not be deleted immediately after the show is over.

When the Intelligent Recording feature is enabled, this auto-cleanup feature is not enabled, so all recordings will remain on your drive until SageTV needs room for additional recordings. This means that all the partial Live TV files that might have been created when channel flipping will still be on your drive, but they will be some of the first files deleted when additional space is needed. So, don't worry that the files are wasting space: they will eventually be deleted, just not as soon as if auto-cleanup were active.

**Note:** If the Intelligent Recording feature is disabled, existing Intelligent Recordings will **not** automatically be deleted immediately. Similarly, if you were to delete or change a Favorite's settings or if you were to clear a recording's Manual Recording setting, the recording will not be automatically deleted immediately. Existing recordings will remain until space is needed or until you delete the recording.

If you wish to disable auto-cleanup permanently, see the option to [Delete Live TV files when not using Intelligent Recording](#), found in [Detailed Setup: Customize Settings](#). Again: while some files will not be deleted immediately, SageTV will delete the unneeded files when more space is required.

## Appendix D: SageTV Command Line Parameters

SageTV and SageTVClient can accept a few command line parameters when they are run. To do so, simply add one of the parameters listed below to the command line when the exe file is started, whether you do so at a command line prompt, in a Windows shortcut, in a batch file, or in some other form of script. Note that the character in front of some of the parameters is a single dash ('-' without the quotes) without any space between the dash and the parameter. There is, of course, a space between the exe path and the parameter.

If you wish to create a shortcut where you can use a parameter, open your SageTV folder, right-click on the SageTV.exe or SageTVClient.exe file and create a new shortcut. Then right-click on the shortcut and go to Properties. In the Target line at the end after the quotes, enter a single space and then the desired parameter. The correct entry will look like this, with "parameter" equal to whatever parameter you used:

- tv "C:\Program Files\SageTV\SageTV\SageTV.exe" parameter
- or
- tv "C:\Program Files\SageTV\SageTV\SageTVClient.exe" parameter

The parameters are:

### -event #

Sends the # command message to an already running copy of the same exe. See the [List of All SageTV Commands](#) for the event number for each command.

**Note:** If the exe is not already running, using this parameter will have no effect. Also, it will only send a single event number each time the exe is started, so do not use a series of parameters such as "-event # -event #".

An alternative to using this parameter is to use the user-provided **SendMessage** utility, which can send multiple messages to SageTV or SageTVClient each time it is run. See [Appendix J: Using the SendMessage Utility](#)

### -dvd

This sends the same command to SageTV as using the -event parameter with the **DVD** command (-event 74). This could be used to tell SageTV to go to DVD mode as part of DVD autoplay when a DVD is inserted into the drive.

### -awake

Used to awaken an already running copy of the program that is currently sleeping. If SageTV is not already running, SageTV will not start. This is the same as sending the -event parameter with the **Power On** command (-event 43).

Compare to: Running the exe with no parameters while it is already sleeping also wakes SageTV, and it also starts SageTV if it wasn't already running.

**-client**

**For SageTV only:** starts SageTV in client mode; often used when configuring a second full installation of SageTV as a network encoder. See [Appendix G: Network Encoding](#).

**-connect hostname**

**For SageTVClient only:** causes it to connect to the specified server when it starts.

**-startup**

When the property "ui/startup\_type=2" is also set, this disables the splash screen and loads SageTV in the system tray.

**-stv filepath**

Used to specify which STV file is to be used when SageTV starts. For the **filepath** listed after the **-stv** parameter, use the full path to the STV file to be used. If there are spaces in the full path, enclose the entire path in quotes. **Note:** The SageTV installer associates the .STV file extension for the SageTV application. If SageTV is not running, you can double-click on an STV file to automatically start SageTV and load that STV as the user interface.

**-properties filepath**

Used to specify which properties file should be used when SageTV starts. For the **filepath** listed after the **-properties** parameter, use the full path to the properties file to be used. If there are spaces in the full path, enclose the entire path in quotes.

**REGISTER**

**Note the all-capital letters.** This causes the license key dialog to come up so you can change the key SageTV or SageTVClient is using. The current license is cleared from the PC. If the trial period is over, SageTV and SageTVClient will not run until a valid license has been entered. See [License Key Registration](#)

# Appendix E: Remote Controls

Among the remotes that can be used to control SageTV are the SageTV remote that comes with the SageTV HD extenders, the Hauppauge remote that comes with many Hauppauge tuners, the StreamZap remote, and nearly any remote that can be used with a general purpose infrared receiver, such as the USB-UIRT mentioned in [Appendix F: Infrared Receivers & Transmitters](#).

## SageTV Remote

The SageTV remote comes with the HD media extenders sold by SageTV: the STX-HD100, the STP-HD200, and the STP-HD300. The remotes that come with these extenders are preconfigured to control SageTV, as shown in the layouts shown on the following pages, and can be reconfigured using the [Link Infrared/Keystroke to SageTV Command](#) option in [Detailed Setup: Commands Settings](#).

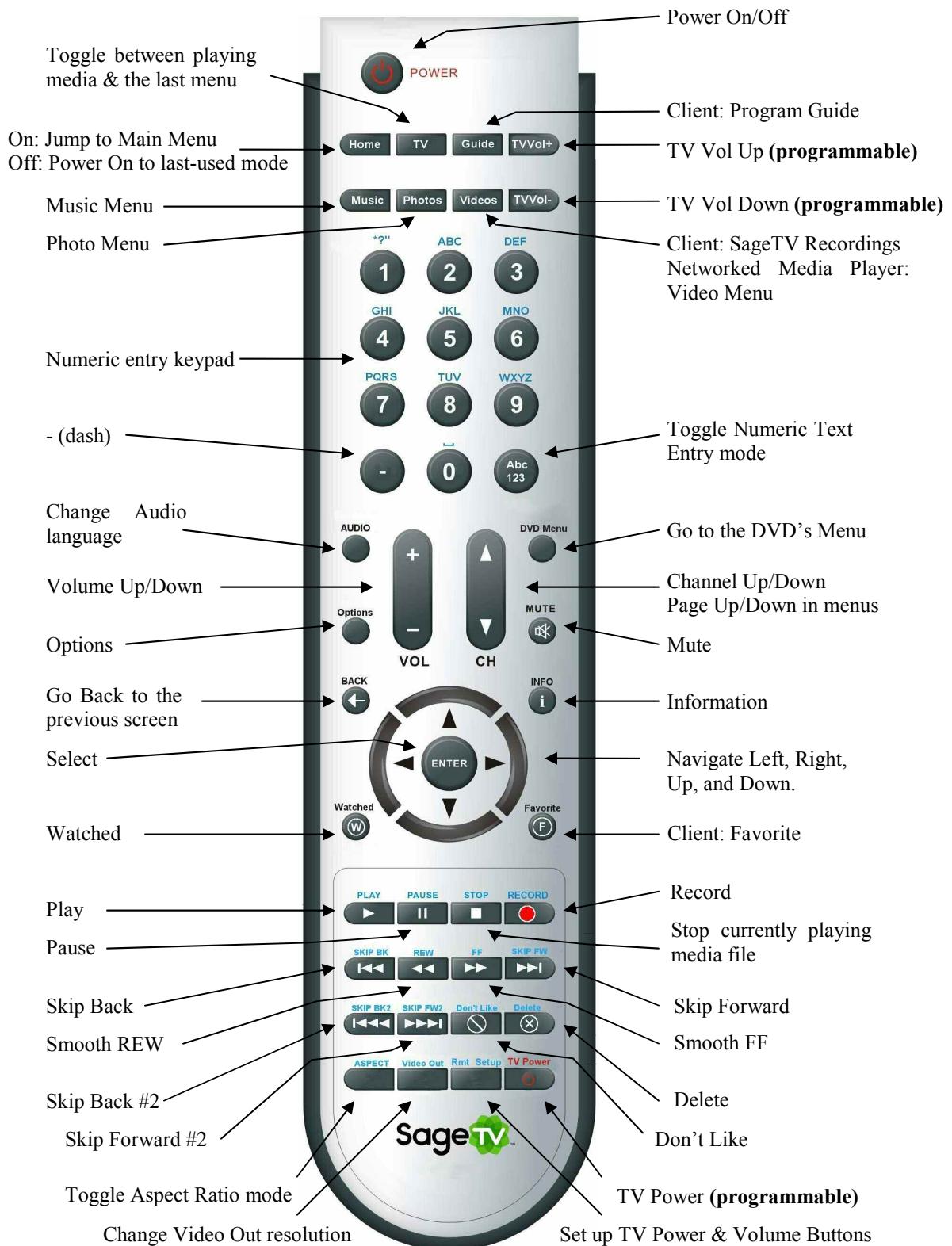
### Programming the STP-HD300 Remote Control

The remote included with the HD Theater model STP-HD300 has three programmable buttons for **TV Power**, **TV Vol+**, and **TV Vol-**. To program these buttons for the infrared (IR) codes to control your TV, follow these steps:

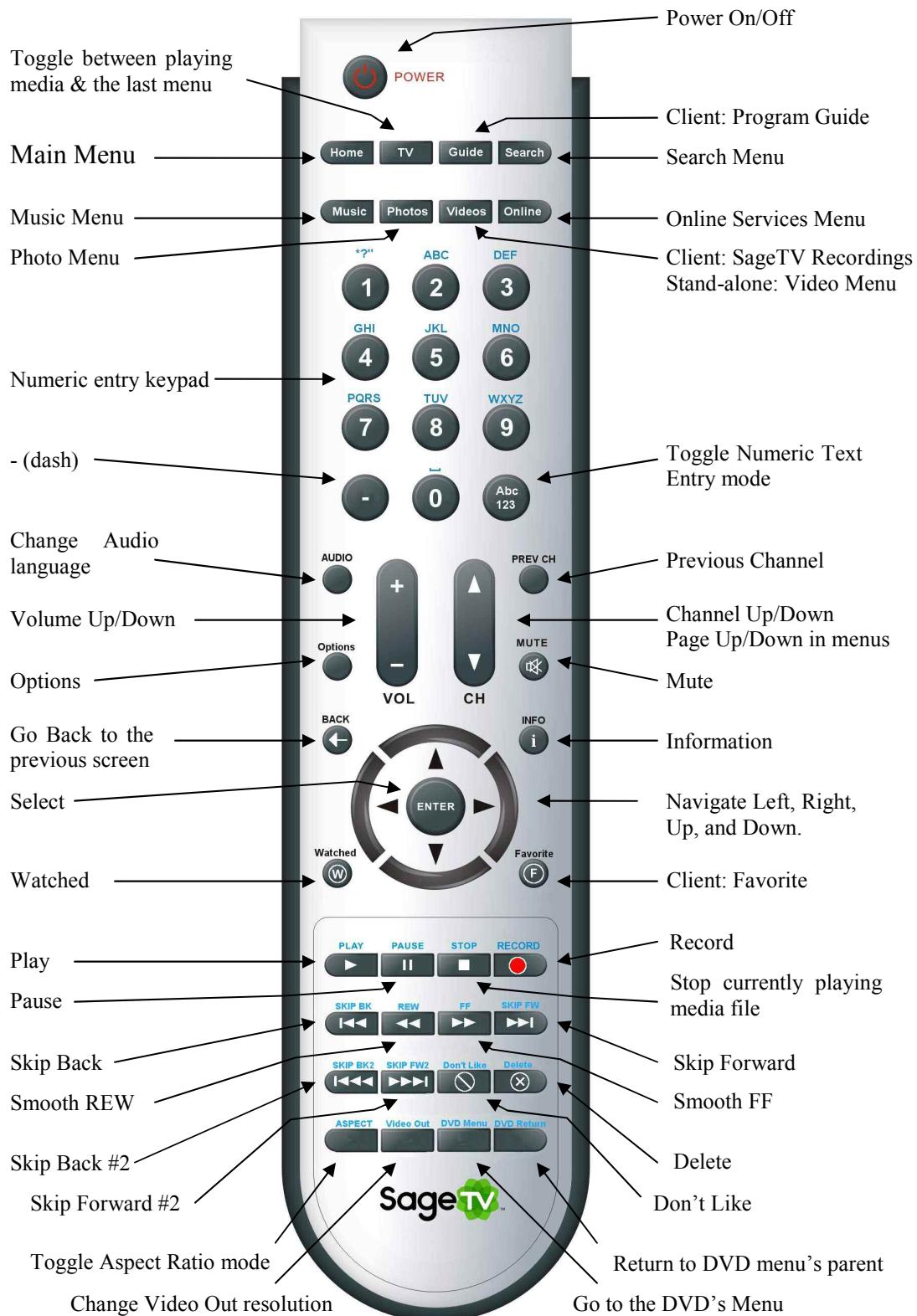
- 1) Press and hold the **Rmt Setup** button on the remote until the red LED in the front emitter window shifts to a brighter output, about 2 or 3 seconds. Once the red LED is in its brighter state, the remote is in learning mode.
- 2) While in learning mode, press a button to learn the code from your TV remote: either **TV Power**, **TV Vol+**, or **TV Vol-**. After pressing one of the buttons, the red LED will begin blinking.
- 3) Hold the TV's remote so that its IR emitter is about 1 to 2 inches from the IR window on the HD Theater remote, then press and hold the button to be learned until the red LED on the HD Theater remote stops blinking. While learning the IR code, the red LED will blink faster, then stop blinking once the code is learned.
- 4) After learning an IR code, the HD Theater remote will still be in learning mode. You can repeat steps 2 and 3 to learn additional codes from the TV remote. Exit learning mode by pressing **Rmt Setup** again or wait about 10 seconds.
- 5) Once the HD Theater remote has learned the codes for your TV and has exited learning mode, test the results by using the HD Theater remote to control your TV's power and volume functions. If the buttons do not work properly, repeat the IR code learning process to try learning the IR code again.

**Notes:** Only infrared (IR) codes of approx 38KHz can be learned. The HD Theater remote does not support learning radio (RF) signals or 56KHz IR signals.

## SageTV STP-HD300 Remote Control Layout



## SageTV STX-HD100 and STP-HD200 Remote Control Layout



## Hauppauge Remote

### Hauppauge Remote Control Installation Instructions

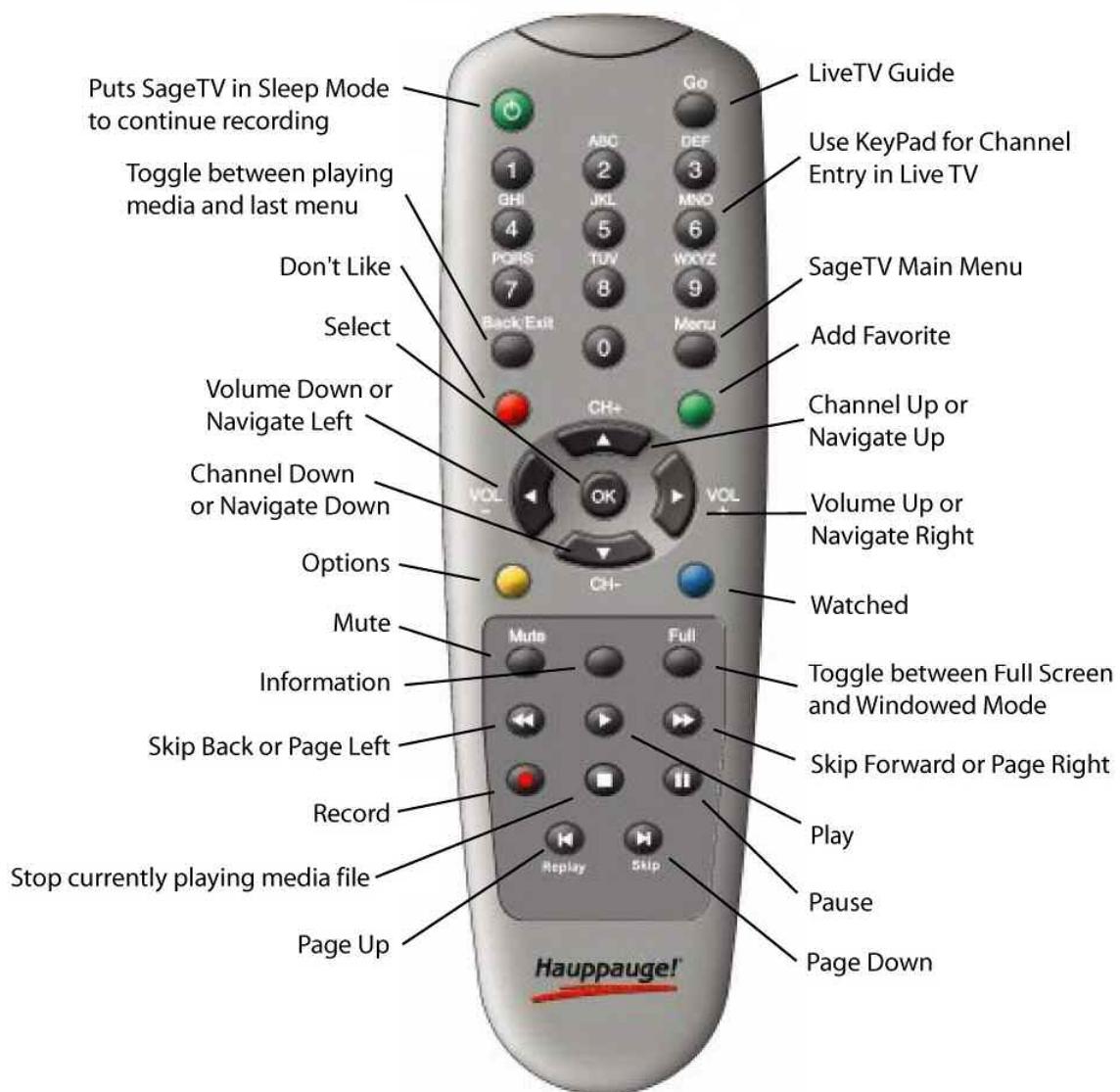
In order to use the Hauppauge remote with SageTV, you must first install the Hauppauge remote control software before installing SageTV. Then, when SageTV is installed, be sure to check the option to configure support for the Hauppauge remote control in [step 4](#) of the SageTV install process. Then, during the [Configuration Wizard](#), use the [Set your Remote Control](#) step to set which Hauppauge remote you are using, or go to [Detailed Setup: Commands Settings](#) and use the [Remote Control Configuration](#) option. The default button layouts are shown on the next pages.

### SageTV Configuration Options for the Hauppauge Remote

Using its initial setup, the Hauppauge remote simply sends keystrokes to SageTV, so it will only work when SageTV has Windows focus – when it is the active application receiving keyboard input. An easy way to customize this remote, then, is to use the [Link Infrared/Keystroke to SageTV Command](#) option in [Detailed Setup: Commands Settings](#). Simply reassign a command by pressing the remote button instead of pressing a key on the keyboard when prompted to do so.

For further information about configuring the remote to be able to wake SageTV when it is sleeping, to work when SageTV does not have focus, or even to use the remote to control other applications, please go to our discussion forum at [forums.sagetv.com/forums](http://forums.sagetv.com/forums).

## SageTV Preconfigured 34 button Hauppauge Remote Control Commands

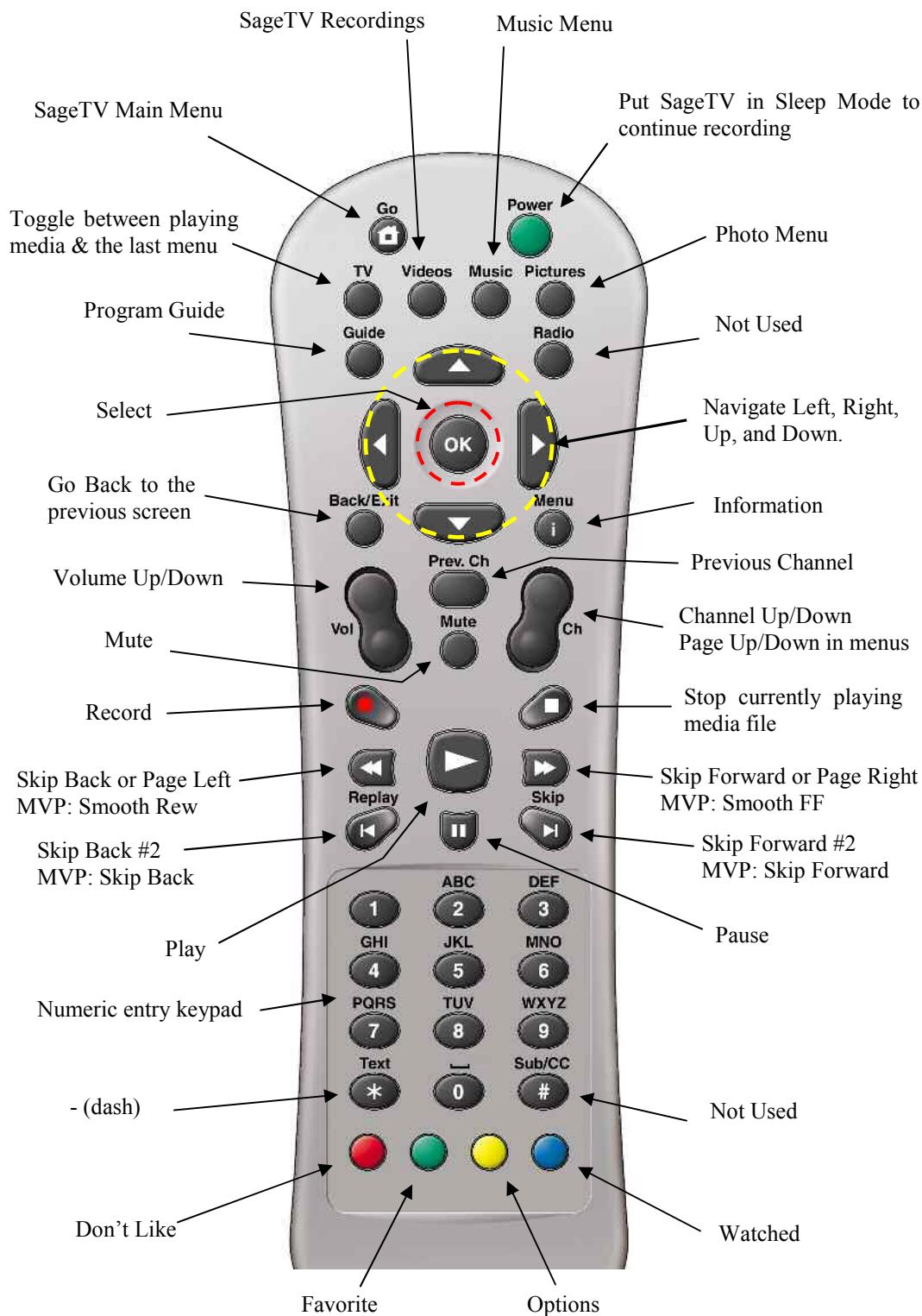


### Remote Control Shortcuts

Hit "Go" to quickly return to the current time within the LiveTV Guide

Hit "number" and "Skip Forward" or "Skip Back" to jump ahead/back in the LiveTV Guide that "number" of days.

## SageTV Preconfigured 45 button Hauppauge Remote Control Commands



## Streamzap Remote

### Streamzap PC Remote Control Installation Instructions

DO NOT plug the USB infrared receiver into your PC yet.

#### Step 1:

Install the provided AAA batteries

#### Step 2:

If your PC is off, turn it on and wait for it to finish booting

#### Step 3:

Download the latest Streamzap drivers from [www.streamzap.com/downloads](http://www.streamzap.com/downloads) and run the exe.

#### Step 4:

Follow the on-screen instructions. When the software asks you to plug in the USB infrared receiver, do so.

#### Step 5:

Wait for Windows to detect the hardware and install the device drivers. This can take anywhere from a few seconds to a minute or longer on slow computers. On Windows XP, always choose to “Install the software automatically”.

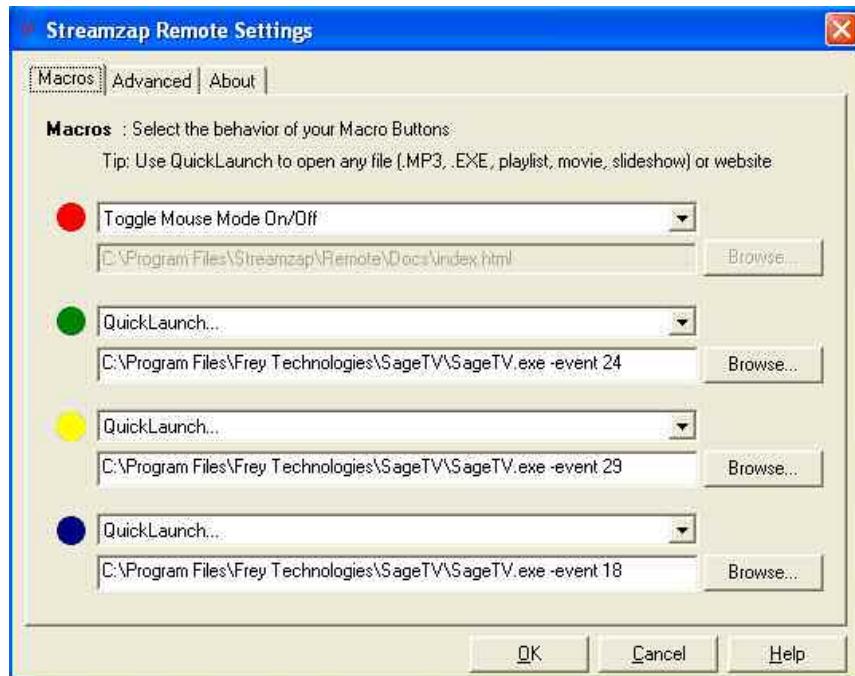
#### Step 6:

Once the hardware is properly installed, a full-screen slide show will appear to introduce you to your new PC Remote.

If you need help installing the Streamzap PC Remote, please see [www.streamzap.com/support](http://www.streamzap.com/support).

### SageTV Configuration Options for the Streamzap Remote

If you are using the Streamzap PC Remote control with SageTV, you can customize the Red, Green, Yellow and Blue buttons to control SageTV commands. To assign these buttons to SageTV, right-click on the Streamzap application running in the System Tray and select “Settings”. You’ll be presented with the following screen:



If you would like your Streamzap remote to mirror the settings on the diagram located on the next page, then assign the QuickLaunch buttons according to the following:

### **Red**

Toggle Mouse Mode On/Off to take advantage of the mouse functionality of the Streamzap remote

### **Green (SageTV “Info” command)**

c:\Program Files\SageTV\SageTV\SageTV.exe -event 24

### **Yellow (SageTV “Options” command)**

c:\Program Files\SageTV\SageTV\SageTV.exe -event 29

### **Blue (SageTV “Guide” command)**

c:\Program Files\SageTV\SageTV\SageTV.exe -event 18

The path of SageTV.exe should be the same as where it is installed on your PC if it varies from the above. For a list of the complete event commands available for SageTV, see the [List of All SageTV Commands](#). If you need help configuring your Streamzap PC Remote for SageTV, please contact us at [support@sagetv.com](mailto:support@sagetv.com). For help from other users regarding using the Streamzap remote with Girder ([www.promixis.com](http://www.promixis.com)), please go to our discussion forum at [forums.sagetv.com/forums](http://forums.sagetv.com/forums).

## SageTV Preconfigured Streamzap Remote Control Commands



\*These commands need to be assigned in Streamzap application

### Remote Control Shortcuts

Hit "Go" to quickly return to the current time within the LiveTV Guide

Hit "number" and "Skip Forward" or "Skip Back" to jump ahead/back in the LiveTV Guide that "number" of days.

## Appendix F: Infrared Receivers & Transmitters

SageTV has built-in support for use of Evation's IRMan ([www.evation.com](http://www.evation.com)) to receive commands from infrared (IR) remote controls, the ACTiSYS IR-200L ([www.actisys.com/ac200-220.html](http://www.actisys.com/ac200-220.html)) to transmit IR codes to change channels on cable and satellite converter boxes, or a USB-UIRT ([www.usbuirt.com](http://www.usbuirt.com)) to handle both IR reception and transmission. In addition, SageTV can now use the IR transmitter that is included with some of the newer Hauppauge encoder devices.

### Evation's IRMan ([www.evation.com](http://www.evation.com))

To use the IRMan to receive remote control IR codes for control of SageTV, first install it and its software, following its instructions. Then, in SageTV, configure the COM port it is connected to in [Detailed Setup: Commands Settings](#) by using the [Remote Control Configuration](#) option. After that, use the [Link Infrared/Keystroke to SageTV Command](#) option to assign the buttons on your remote to each SageTV command that you wish to use.

### ACTiSYS IR-200L ([www.actisys.com/ac200-220.html](http://www.actisys.com/ac200-220.html))

If you will be using the Actisys IR-200L with SageTV to control an external set-top device, then please follow these instructions before installation:

1. DO NOT install the Actisys Software or Drivers that come with the IR-200L. If you install this software, you will experience problems using the IR-200L with the Sage software. The appropriate drivers for the IR-200L were already installed when you installed the Sage software.
2. Shut down any instances running of SageTV and turn off your PC.
3. Install the IR-200L into any open Serial port on the back of your PC
4. Turn your PC on and launch SageTV to then setup the IR-200L. Configure the recording source via the [Source Setup](#) and choose the IR-200L in [Step 5: Select the Tuning Plugin](#).

If you have any questions about installing the IR-200L, make a post to our discussion forum at [forums.sagetv.com/forums](http://forums.sagetv.com/forums) or submit a support request at [www.sagetv.com/request.html](http://www.sagetv.com/request.html).

**Note:** SageTV supports the use of multiple Actisys IR-200L transmitters, with each one installed on a separate COM port. When using the Setup Wizard, select a different transmitter COM port in [Step 5: Select the Tuning Plugin](#) for each source.

## USB-UIRT ([www.usbuirt.com](http://www.usbuirt.com))

The software and drivers for the USB-UIRT are available on-line at: [www.usbuirt.com/getstart.htm](http://www.usbuirt.com/getstart.htm). There you will find resources to help you get up and running quickly with your USB-UIRT. Support for this product, as well as the latest software updates, user guides, and FAQ's can be found at: [www.usbuirt.com/support.htm](http://www.usbuirt.com/support.htm).

If you will be using the USB-UIRT with SageTV to control an external set-top device, then configure the recording source via the [Source Setup](#) and choose the USB-UIRT in [Step 5: Select the Tuning Plugin](#).

If you will be using the USB-UIRT to receive remote control IR codes for control of SageTV, configure the port it is connected to in [Detailed Setup: Commands Settings](#) by using the [Remote Control Configuration](#) option. After that, use the [Link Infrared/Keystroke to SageTV Command](#) option to assign the buttons on your remote to each SageTV command that you wish to use.

If you have any questions about installing the USB-UIRT, make a post to our discussion forum at [forums.sagetv.com/forums](http://forums.sagetv.com/forums) in the Hardware Support section or submit a support request at [www.sagetv.com/request.html](http://www.sagetv.com/request.html).

**Controlling multiple set-top devices using the same IR code set:** Recent versions of this device can be used to control three separate external devices with its capability for 3-zone output. SageTV does not have built-in support for these zones, but there are instructions from a SageTV user on our online discussion forums on how to make use of them.

See: <http://forums.sagetv.com/forums/showthread.php?postid=48916#post48916>

**Using Multiple USB-UIRT devices:** While SageTV does not have built-in support for using multiple USB-UIRT devices, a user on our online discussion forums has posted information about a new driver that uses a customization which allows multiple devices to be used.

See: <http://forums.sagetv.com/forums/showthread.php?p=115534#post115534>

## Hauppauge IR Blaster

Some of the newer encoder devices from Hauppauge now include an IR transmitter. To have SageTV use it, first use the Hauppauge IR Blaster Configuration application to configure the transmitter. Then, when configuring the recording source via the [Source Setup](#), choose the Hauppauge IR Blaster in [Step 5: Select the Tuning Plugin](#).

**Notes:** Due to Hauppauge driver limitations, multiple blasters can not be used. In addition, it may not be possible to use the blaster if there are multiple encoders and only one has a blaster. SageTV does not use the MCE IR blaster portion of the Hauppauge MCE kits, which come with the MCE remote + blaster.

## Appendix G: Network Encoding

SageTV can be used to control recordings made with an encoding device that is installed on another computer on the same network. Two full installations of SageTV are used for this purpose:

- tv For the installation of SageTV that is going to be the **network encoder**, set this property: **enable\_encoding\_server=true**. Start this installation of SageTV. **Note:** To also use SageTV on this system as a client, start a second instance of SageTV.exe, using the ‘-client’ command line parameter. See [Appendix D: SageTV Command Line Parameters](#).
- tv For the main installation of SageTV (the one that is to be the server for all your clients), set this property: **network\_encoder\_discovery=true**. Start SageTV.
- tv **Note:** Each installation of SageTV will require a separate registration license.
- tv **Note:** The SageTV server will need access through any software firewall for port **8271 (UDP)**, while the network encoders will need access for port **6969 (TCP)**. These ports are the same no matter how many network encoder devices are in use, on one or multiple computers. See [Firewall Settings](#) for more port information.

Previous method, using SageTVRecorder:

SageTVRecorder is used on the networked PC to control the encoding device, while SageTV instructs SageTVRecorder regarding which shows are to be recorded. When used in this way, SageTV will make use of the network encoder as if it were a local encoder, with the entire process being transparent to the user once it is all configured.

For further information regarding setting up a network encoding in this manner, please see the SageTV Configuration web site at [www.sagetv.com/configuration.html](http://www.sagetv.com/configuration.html). Look for the section titled: Setting Up Network Encoders.

**Note:** SageTVRecorder is no longer updated and does not support the use of newer encoding devices. It is recommended that SageTV now be used for this purpose, above.

## Appendix H: Custom Recording Quality Settings

SageTV comes configured with several recording quality settings built in, any of which may be chosen as the default recording quality by using the [Recording Quality](#) option in [Detailed Setup: Multimedia Settings](#). Additional recording quality settings may be added by editing the properties file, though some care must be used when creating these new settings to make sure they will work correctly.

For further information regarding creating such custom recording settings, please see the SageTV Configuration web site at [www.sagetv.com/configuration.html](http://www.sagetv.com/configuration.html). Look for the Configuration Paper titled: **Hauppauge Cards & Recording Quality**.

For sample custom settings and help in creating new ones, please use our discussion forum at [forums.sagetv.com/forums](http://forums.sagetv.com/forums).

**Note:** Starting with SageTV version 2.1, the **seeker/encoding\_qualities** properties are no longer used; only the **mmc/python2\_encodings** settings are needed to specify recording qualities. These properties are described in the online document mentioned above.

# Appendix I: Playing DVDs and BDs from the Hard Drive

## Playing Hard Drive Based DVDs

After using various software that is available for storing DVDs that you own on your hard drive, it is possible to play those DVD images from within SageTV while still retaining the DVD menus and [DVD Playback](#) options. To do so, store the DVD data as a subdirectory of one of SageTV's [Media Center Import Directories](#), as defined in [Detailed Setup: General Settings](#). Within that subdirectory, the DVD video data can be stored directly in the subdirectory, stored in a further VIDEO\_TS subdirectory, or stored as an ISO disk image file. The DVD will then be listed as an imported video file in the [Video Browser](#) as "DVDTITLE" and will be played as a DVD, where "DVDTITLE" is the name of the folder where the DVD files exist or is the name of the .iso file.

Example using a DVD VIDEO\_TS subdirectory structure: If the media center import directory is "E:\DVD" and your DVD is called "DVDTITLE", the directory tree would contain:

```
E:\DVD\DVDTITLE\  
└─VIDEO_TS\ (Note: the VIDEO_TS subdirectory is optional)  
    └─VIDEO_TS.BUP  
    └─VIDEO_TS.IFO  
    └─VIDEO_TS.VOB  
    └─VTS_01_0.BUP  
    └─VTS_01_0.IFO  
    └─VTS_01_0.VOB  
    └─VTS_01_1.VOB  
    └─folder.jpg (optional)
```

And so on, with additional numbered VTS\_##\_.#.BUP, .IFO, and .VOB files.

The optional folder.jpg file will be used as the DVD's thumbnail image. See [Video Thumbnails](#) for additional DVD thumbnail options.

### DVD Notes:

- tv A DVD file structure is recognized if the parent folder name is VIDEO\_TS or if the directory contains at least the 'VIDEO\_TS.IFO' file.
- tv When using an ISO DVD image file on a Windows installation of SageTV, the "Virtual CloneDrive" software must be installed and configured.
- tv SageTV Client needs to be able to read the DVD files directly in order to play hard drive based DVDs. To accomplish this, either 1) the import directory will need to be a UNC path and the client PC must have permission to access that UNC path, or 2) the client PC

will need to map a drive letter to match the same drive letter where the server PC imported the DVD. For help using UNC paths or mapped drive letters, please consult your Windows documentation or see our online discussion forums at [forums.sagetv.com/forums](http://forums.sagetv.com/).

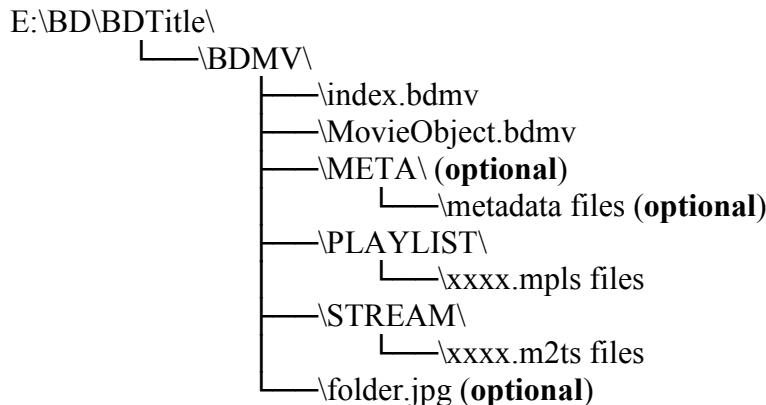
- tv A Media Extender can play non-encrypted hard drive based DVDs (home-made DVDs, for example); it is not capable of decoding encrypted DVD content.
- tv The Hauppauge MVP does not have DVD playback capabilities when used as a SageTV extender.
- tv The Placeshifter client, including a media extender being used in Placeshifter mode, does not have DVD playback capability.
- tv DVDs cannot be added to playlists.

## Playing Hard Drive Based Blu-rays

Blu-rays (BDs) stored on a hard drive can also be played in SageTV without the Blu-ray menu structure. BDs are played as imported Videos (see [Video Playback](#)). Playback starts with the BD's longest playlist. During playback, use the **Options** command to access the [Video Playback Options Menu](#), where the **BD Title Select** option can be used to choose the BD title you wish to play.

SageTV can recognize BDs stored in a subdirectory of one of SageTV's [Media Center Import Directories](#), as defined in [Detailed Setup: General Settings](#). Within that subdirectory, the BD video data can be stored in a further BDMV subdirectory or stored as an ISO disk image file. The BD will then be listed as an imported video file in the [Video Browser](#) as "BDTitle" and will be played as a BD video, where "BDTitle" is the name of the folder where the BD files exist or is the name of the .iso file.

Example using a BD BDMV subdirectory structure: If the media center import directory is "E:\BD" and your BD is called "BDTitle", the directory tree would contain:



Subdirectories other than those listed above may exist. If the optional META subdirectory exists, then SageTV will check it for information about the Blu-ray, such as the video's title and thumbnail.

The optional folder.jpg file will be used as the BD's thumbnail image. See [Video Thumbnails](#) for additional BD thumbnail options.

### **BD Notes:**

- tv When using an ISO BD image file on a Windows installation of SageTV, the "Virtual CloneDrive" software must be installed and configured.
- tv The STP-HD200 and STP-HD300 HD Theater media extenders can play non-encrypted hard drive based BDs; they are not capable of decoding encrypted BD content.
- tv The STX-HD100 HD Media Extender does not officially support BD playback, but many BDs should play on it, though not all content or features will be available.
- tv The Hauppauge MVP does not have BD playback capabilities when used as a SageTV extender.
- tv SageTV and SageTV Client can play BDs if compatible decoders are installed and the PC hardware is powerful enough. Windows 7 includes such decoders, but the PC's cpu and video card need to be powerful enough to use those decoders for BD playback; if they are not, a better decoder or PC hardware may be needed.
- tv The Placeshifter client, including a media extender being used in Placeshifter mode, does not have BD playback capability.
- tv BDs cannot be added to playlists.

## Appendix J: Using the SendMessage Utility

When SageTV is installed, SendMessage.exe (version 2.2) is also placed in your SageTV directory. If that file is not in your SageTV directory it may be downloaded from the attachment to this forum post: <http://forums.sagetv.com/forums/showthread.php?p=125680&postcount=1>

**This utility was created by a SageTV user and is provided by SageTV “as-is”. Use of this utility is not supported by SageTV’s technical support. If you need help using this utility, please go to our discussion forum at [forums.sagetv.com/forums](http://forums.sagetv.com/forums).**

The SendMessage utility can be used to send commands to SageTV as Windows messages, using the command event numbers. See: [Sending Commands via Windows Messages](#). While SageTV itself can also do this with its -event parameter, SendMessage has a few advantages:

1. The SendMessage exe file is smaller than the SageTV exe file, so it will load and run faster.
2. Unlike the -event parameter, the SendMessage utility is capable of sending multiple commands each time the program is run, making it easier to ‘batch process’ a series of commands.
3. SendMessage can be used to send messages to any Windows program.

### Usage

If SendMessage is run without any parameters, it will display a dialog with a brief outline of its usage instructions. The utility uses the following command line format:

**SendMessage WindowClass WindowName MsgID wParam lParam <repeat param list> ...**

The above-referenced [Sending Commands via Windows Messages](#) section lists the values to be used for each of those parameters in order to send command event numbers to SageTV or SageTVClient. To send multiple messages, simply send another series of those five parameters after the first five.

In addition to those parameters, default values for each parameter can be defined when you wish to send multiple messages: once a default value is set, that value can be skipped in the list of parameters for additional messages to be sent. To define default values, use the following options. Note that the values are not case sensitive (-c is the same as -C):

- **-C WindowClass** – Define the window class name to receive multiple messages.
- **-N WindowName** – Define the name of the window to receive multiple messages.

- tv -M MsgID – The Windows message number to be sent; decimal value.
- tv -W wParam – The message's wParam value to be sent; decimal value.
- tv -L lParam – The message's lParam value to be sent; decimal value.
- tv -D DelayTime – Time, in milliseconds, to delay between each message sent. This parameter is not usually needed, but was added in case such a delay was ever desired.

Any parameters that contain spaces, perhaps the WindowClass or WindowName of some application, can be enclosed in quotes, such as: -C "Window Class".

## Example Use

To show how the parameters might be put into use to control SageTV, let's take a look at a common desire: to have SageTV go directly to a menu that currently has no direct-access command. The **Plugin Manager's All Available Plugins** menu is one such location. The following series of commands will go to that location from anywhere within SageTV:

- tv Home – Event number 28; go to the **Main Menu**.
- tv Page Down – Event number 56; Page Down to make sure the bottom menu item is highlighted.
- tv Up – Event number 4; arrow Up to the **Setup** menu item.
- tv Right – Event number 3; arrow into the **Setup** submenu.
- tv Page Up – Event number 55; Page Up to make sure the top submenu item is highlighted.
- tv Down, Down – Event number 5; arrow Down to the **SageTV Plugins** menu item.
- tv Right – Event number 3; arrow into the **SageTV Plugins** submenu.
- tv Page Up – Event number 55; Page Up to make sure the top submenu item is highlighted.
- tv Select – Event number 20; Select the **All Available Plugins** submenu item to go to that menu.

Putting all the above options together, SendMessage can be used as follows to issue this series of commands for SageTV:

**SendMessage.exe -C SageApp -N SageWin -m 1258 -W 0 42 28 56 4 3 55 5 5 3 55 20**

In this example, SageApp is the name of the window class receiving the message; SageWin is the name of the window to receive the message; 1258 is the message ID number; 0 is the wParam value; and “42 28 56 4 3 55 5 5 3 55 20” is the series of command event numbers to send to SageTV.

**Note:** To control SageTVClient, use **SageClientApp** instead of **SageApp**.

## Appendix K: Closed Captions

Closed Captioning is available in SageTV. To view Closed Captions while watching a SageTV recording, check the following:

- tv You must be using a capture device that supports embedding Closed Captioning data in the recording file. ATSC and QAM tuners support Closed Captions. Also, some analog tuners support CC. Hauppauge analog tuners generally support CC, though certain newer device driver versions may be required.
- tv For analog capture devices, the [Recording Quality](#), in [Detailed Setup: Multimedia Settings](#), must be set to use a DVD-style recording quality. If you create a custom recording quality (see [Appendix H: Custom Recording Quality Settings](#)), make sure that the custom setting uses 10, 13, or 14 as the outputstreamtype.
- tv Use the [Options](#) command during [Video Playback](#) to view the pop-up [Video Playback Options Menu](#). The Captions option will show the current CC status: **Captions (Off)**, **Captions (CC1)**, and **Captions (CC2)**. Select the option to cycle through the choices. Most captions will display using the CC1 option, though some stations may use CC2.
- tv CC can not be displayed through the Hauppauge PVR-350's TV-out, the Hauppauge MVP, or while using Placeshifter via a remote connection.
- tv CC will not display if using **Overlay** as the [Video Renderer](#) and [Overlay Color Keying](#) is **Enabled**. In addition, some [MPEG2 Video Decoder Filter](#) settings also cannot display CC text.
- tv If you are using VMR9 and can't get CC to show up, try setting this registry value: **HKLM\SOFTWARE\Frey Technologies\SageTV\DirectX9\YUVMixing=0**

# Appendix L: Customization Development

## SageTV Studio

SageTV Studio is the application used to edit the STV files that define the entire SageTV user interface. Since version 4.0, this application is available from within SageTV after the license key has been entered. (See [License Key Registration](#).) Use the **Customize** command to open SageTV Studio for live editing of the currently loaded STV.

SageTV Studio usage documentation and information can be found at the following links:

- tv A full user guide for Studio is available, which contains details about the Studio language, its interface & usage, and tutorials/examples to help learn how to use Studio. Download this PDF document from:  
[http://download.sagetv.com/SageTVStudio\\_UserGuide.pdf](http://download.sagetv.com/SageTVStudio_UserGuide.pdf)
- tv To go along with the Studio user guide, there is an accompanying STV that is used for the tutorials in the guide. Download this STV from:  
[http://download.sagetv.com/Studio\\_Tutorials.xml](http://download.sagetv.com/Studio_Tutorials.xml)
- tv See our forum at [forums.sagetv.com/forums](http://forums.sagetv.com/forums) for discussions with other SageTV Studio users regarding available customizations and Studio usage tips.

## Sharing Customizations via Plugins

Customizations developed for SageTV can be shared with other SageTV users via the [Plugin Manager](#) menu. Plugin developers can download the plugin system documentation from:  
<http://download.sagetv.com/DevelopingSageTVPlugins.doc>

# Appendix M: SageTV Media Extenders

Instead of building an entire computer to act as a SageTV Client, a Media Extender, such as the SageTV HD Theater (models STP-HD200 and STP-HD300), SageTV HD Media Extender (model STX-HD100), or the Hauppauge MediaMVP, may be used instead. Such a device is connected to the SageTV server PC via your computer's local network and allows the SageTV User Interface to be used on another TV with just a small quiet device instead of a larger, noisier, computer.

## Media Extender Installation

SageTV Media Extender support is built into the SageTV installation, so no extra steps are needed.

## Registering Media Extender Licenses

**When using the SageTV STP-HD200 or STP-HD300 HD Theater with SageTV version 6.5 and later, there is no need to register a media extender license on the server. Other extenders still need a media extender license registered on the server.**

In order to use a SageTV Media Extender past the trial usage period, a license key must be entered on the **SageTV server** for each extender to be used simultaneously.

To enter your license, **on a Windows SageTV server system**, go to the Windows Start button, then select All Programs > SageTV > Register SageTV Media Extender License. Enter your license in the dialog that appears.

To enter your license, **on a Mac SageTV server system**, go to System Preferences > SageTV > Licenses. Select the plus (+) symbol to add an additional license.

**Note: It is recommended that you exit SageTV on the server computer before entering a Media Extender license. (If using service mode, stop the service.)**

## Enable the Media Extender Server

To enable your SageTV server to act as a Media Extender Server, enable the SageTV Server option in the [Detailed Setup: Server Settings](#) menu and make sure the Media Extender and Placeshifter Server is also enabled on that screen.

## Enable Connection to the Media Extender Server

In order for the Media Extender to be able to connect to your SageTV server, it may need permission to get through any firewall that may be running on the server. See [Firewall Settings](#) for more information on which ports to open.

## SageTV HD Theater, models STP-HD200 and STP-HD300

For details about using the STP-HD200 or STP-HD300 SageTV HD Theater, please refer to the manual that is included in the box with that device. The STP-HD200 and STP-HD300 can be used as an extender connected to a SageTV server or as a standalone device not connected to a server. The manual can also be downloaded in PDF format:

[http://download.sage.tv/SageTV\\_HD200\\_Manual.pdf](http://download.sage.tv/SageTV_HD200_Manual.pdf)  
[http://download.sage.tv/SageTV\\_HD300\\_Manual.pdf](http://download.sage.tv/SageTV_HD300_Manual.pdf)

## SageTV HD Media Extender, model STX-HD100

For details about using the STX-HD100 SageTV HD Media Extender, please refer to the manual that is included in the box with that device. The manual can also be downloaded in PDF format:

[http://download.sage.tv/SageTV\\_HD100\\_Manual.pdf](http://download.sage.tv/SageTV_HD100_Manual.pdf)

## Hauppauge MediaMVP

For information about the MVP, see the Hauppauge web site:  
[http://www.hauppauge.com/pages/products/data\\_mediampv.html](http://www.hauppauge.com/pages/products/data_mediampv.html)

To use an MVP with SageTV, make sure that no other MVP server software is currently running on any PC on your network. The Hauppauge MVP software does not need to be installed, and if it is, make sure it is not running.

Follow these steps to start using your MVP with SageTV:

1. Enable the Media Extender and Placeshifter Server, as described at the beginning of this appendix. Then, connect the MVP to a TV and your local network, as described in the following steps.
2. Plug either the MVP's svideo or composite outputs into the appropriate input on your TV. (Choose the one your TV uses; svideo provides the better TV image, if both are available.)
3. Connect the MVP's Left + Right audio outputs to the TV's L + R audio inputs that are associated with the video input used above.
4. Connect the local network cable to the MVP. The network will need to have a DHCP server in order for the MVP to acquire a network address.
5. Turn the TV on and set it to use the input to which the MVP has been connected.
6. Finally, connect the MVP's power adapter cord.
7. After a short startup delay, the SageTV interface will appear on your TV.

Repeat the above steps for additional MVPs connected to the same server.

## MVP Supported Media Types

As a SageTV Media Extender, the MVP is capable of playing the following media types:

- tv **Videos** – MPEG files. The MVP is not able to natively play HDTV content, but it can be transcoded for playback.
- tv **DVD** – The MVP is not capable of decoding encrypted DVD content, so it can not be used for DVD-ROM viewing. But, non-encrypted DVD images imported into the video library (home-made DVDs, for example) can be played on the MVP with full use of the DVD's menus.
- tv **BD** – The MVP is not capable of playing Blu-ray content.
- tv **Music** – MP3 files; other formats may be transcoded.
- tv **Pictures** – Any picture format that SageTV can use; see the [Supported Media Types](#) for Pictures.

In addition to the native support for the video and music formats listed above, SageTV will attempt to transcode other media formats to a type that the MVP can play. Transcoding may not be available for all possible media formats. The [Media Extender Conversion Quality](#) can be configured in [Detailed Setup: Server Settings](#).

## Restart MVP After Installing a SageTV Upgrade

After installing a SageTV upgrade, be sure to unplug the MVP, then plug it in again. This will force a full reboot of the MVP so that any media extender changes will be used by the MVP. (Using the power off button on the remote will not force a full reboot, because it puts the MVP into a soft power off mode.)

## Using SageTV Studio with a Media Extender (optional)

Using the [Customize](#) command while using a Media Extender opens Studio on the server computer that the extender is connected to.

**Note:** If the server is running in service mode, it may still be possible to open a Studio window by configuring the service to interact with the Desktop. This requires knowledge of how to use Windows utilities to configure the service in this way.

# Appendix N: SageTV Placeshifter Client

SageTV's Placeshifter Client can be used to connect to your SageTV system via a network connection, either locally or via the internet while away from home. It allows the full SageTV User Interface to be used at a remote location, with media playback over the internet possible, including playback of live or recorded TV shows.

## SageTV Placeshifter Client Installation

Run the Placeshifter Client installer on any system where you wish to use it, then follow the on-screen instructions.

## Registering Placeshifter Licenses

In order to use the SageTV Placeshifter Client past the trial usage period, a license key must be entered on the **SageTV server** for each Placeshifter to be used simultaneously.

To enter your license, **on a Windows SageTV server system**, go to the Windows Start button, then select All Programs > SageTV > Register SageTV Media Extender License. Enter your license in the dialog that appears.

To enter your license, **on a Mac SageTV server system**, go to System Preferences > SageTV > Licenses. Select the plus (+) symbol to add an additional license.

**Note:** It is recommended that you exit SageTV on the server computer before entering a Placeshifter license. (If using service mode, stop the service.) Note: The Placeshifter Client uses the same type of license as the Media Extender. See [Appendix M: SageTV Media Extenders](#).

## Enable the Placeshifter Server

To enable your SageTV server to act as a Placeshifter Server, enable the SageTV Server option in the [Detailed Setup: Server Settings](#) menu and make sure the Media Extender and Placeshifter Server is also enabled on that screen.

## Enable Remote Access to your SageTV server

For the Placeshifter Client to be able to access your SageTV server from a remote location, it must be able to connect through your firewall/router. SageTV can setup this connection via the [Configure Placeshifter Internet Connection](#) configuration wizard in the [Detailed Setup: Server Settings](#) menu. **Notes:** The configuration wizard will open and forward port **31099** to the computer that is running the SageTV server. See [Firewall Settings](#) for more port information.

## Create Placeshifter users

Before the Placeshifter Client can connect to your SageTV server, at least one Placeshifter user must be created. See the [Manage Placeshifter Users](#) option in the [Detailed Setup: Server Settings](#) menu.

## Placeshifter Client Connections

Once the Placeshifter Client has been installed and the server configured to allow Placeshifter access (see above), then run SageTVPlaceshifter on the remote system. This will open the **SageTV Placeshifter Servers Manager**.

From the servers manager screen, you can choose what server to connect to, add other servers to look for, and configure some Placeshifter client settings.

While any local network servers may be found automatically, your SageTV server may not be listed if you are at a remote location. In this case, select the **Add** button to specify the location of your SageTV server. See [Adding a Server](#), below.

To configure some the Placeshifter options, choose the **Settings** button. See [Placeshifter Settings](#), below.

Double-click on a server to connect to, or highlight one and select the **Connect** button. See [Placeshifter Login](#), below.

### Adding a Server

Specify the location of a new server in the dialog that opens after selecting **Add** from the **SageTV Placeshifter Servers Manager**. In the dialog, create a name for the server, then enter either the Locator ID or the internet address of your SageTV server. By using the Locator ID, you do not need to remember the address to your home system, but you will need to know the server's Locator ID. This information can be found in the server's [Detailed Setup: Server Settings](#) menu, or on its [System Information](#) display.

### Placeshifter Settings

After selecting the **Settings** option from the **SageTV Placeshifter Servers Manager** screen, the following options are available:

**General** – On the **General** settings tab, choose whether to exit the Placeshifter client when closing the SageTV connection. If this option is not checked, the **SageTV Placeshifter Servers Manager** will reopen after closing the SageTV connection.

The custom SageTV title bar can be enabled, allowing an option to set the window to Always on Top and to show the streaming statistics in the title bar after connecting. Note that enabling the custom title bar may disable some Operating System functionality of the window, and it may not look the same as other windows.

Choose whether to enable 3D Acceleration or video post processing.

To use an IRMan or USB-UIRT IR receiver for remote control of the Placeshifter user interface once connected, select the USB or COM port where the receiver is connected.

Select an option for Local Filesystem Security, which determines the SageTV server's access to the files local to the Placeshifter system.

**Streaming** – On the **Streaming** settings tab, choose how SageTV will transcode media for remote playback. You can use SageTV's dynamic streaming system to adjust the playback bitrate automatically, stream without transcoding (usually only on a local network), or manually select the streaming settings. If manually specifying the settings, the options at the bottom will be enabled and can be set to your preference.

**About** – Displays some information about the Placeshifter application, including the version number.

## Placeshifter Login

After choosing a server to connect to, the **SageTV Placeshifter Servers Manager** will close and the Placeshifter login screen will open. On this screen, enter a valid username and password, then press Enter or select the Login button. If the username and password combination is valid, then the STV assigned to that user in the [Manage Placeshifter Users](#) option in the [Detailed Setup: Server Settings](#) menu will be loaded, and regular SageTV usage begins.

**Notes:** If the login screen sits idle for too long, or if an incorrect username and password combination is entered too many times, the login screen will automatically close.

When connecting via a local network connection, a username and password may not be requested.

If the [Allow Placeshifter clients to automatically login](#) option in [Detailed Setup: Server Settings](#) on the SageTV server has been enabled, then the Placeshifter client will be able to enable automatic login while entering the username and password.

## Placeshifter Client Media Playback

The Placeshifter Client can play most media via its transcoding feature, streaming the content to the remote location for playback. However, DVD and BD playback is not supported, and transcoding for certain other formats may not be available.

### Using SageTV Studio with a Placeshifter Client (optional)

Using the **Customize** command while using a Placeshifter Client opens Studio on the server computer that the Placeshifter is connected to.

**Note:** If the server is running in service mode, it may still be possible to open a Studio window by configuring the service to interact with the Desktop. This requires knowledge of how to use Windows utilities to configure the service in this way.

# Appendix O: User Interface Themes

The graphics used for the SageTV user interface and some other settings are loaded as theme sets, via the [Select the User Interface Theme](#) option in [Detailed Setup: Advanced Settings](#). SageTV installs with the **Standard** theme.

Additional user created themes may be found on the SageTV online forums at [forums.sagetv.com/forums](http://forums.sagetv.com/forums) or may be available via **Theme** category in the [Plugin Manager](#).

## Adding Custom Images to an Existing Theme

If all you want to do is change a few images without creating an entirely new theme, then simply add the new images to the **User Images** subdirectory of an existing theme directory, naming the files the same as the filenames of the images being replaced. After adding images to that subdirectory, reload the current theme via the [Select the User Interface Theme](#) option in [Detailed Setup: Advanced Settings](#). **Note:** If existing images in that subdirectory have been changed, you may need to restart SageTV to see the new images in the user interface.

It is better to place your custom images in the **User Images** subdirectory instead of in the theme's base directory because the files in the base directory will be replaced when a SageTV update is installed (if replacing files in the **Standard** theme) or when a theme plugin update is installed (if replacing files in a custom theme). The files in the **User Images** subdirectory are not replaced by the SageTV installer. If a custom theme replaces files in that subdirectory, inform the theme's author so the author's custom files can be placed in the proper location.

## Creating a New Theme

To create an entirely new theme, simply create a new directory under the `<install dir>\SageTV\STVs\SageTV7\Themes` directory, using the name of your new theme. You can change one or more UI image files by placing new versions of images in the custom theme directory and you can create a `theme.properties` file to change one or more properties. If an image file or a property setting is not found, the one from the default **Standard** theme will automatically be used.

Exceptions:

- tv The `ProgressBar<N>.png` files must be a full set of 5, #1-5.
- tv If you change the weather icons, you have to provide a full set and use `theme.properties` in the custom theme directory to specify the offset path from where the current STV is located to the weather icons.

As the default UI changes, new graphics are being put in the theme directories, but those are not the only images you can place in your own theme -- you can change almost any image found in the <install dir>\SageTV\STVs\SageTV7 or **Standard** theme directories. When loading a theme, each image is searched for by checking the current theme directory and its "User Images" subdirectory, the default theme directory and its "User Images" subdirectory, then the STV's directory. However, not all images in the STV directory are currently in use by the default STV.

### Additional Theme Notes:

- tv See the **theme.properties** file in the default **Standard** theme directory for additional comments about various theme settings. The first section of the file documents the possible theme settings.
- tv To determine which images are being used and where they are loaded from, check the debug log for a list of themed images. Debug logging can be enabled via the **Debug Logging** option in [Detailed Setup: Advanced Settings](#).
- tv If a custom theme contains an image file named **preview.jpg**, that will be the preview image shown in the theme selection dialog when the theme is highlighted; see the [Select the User Interface Theme](#) option.
- tv In the new theme's custom theme.properties, add a property line named **Description/<ThemeName>=**, where **ThemeName** is the name of the new theme, followed by a short description of the theme. Users will see this description in the theme selection dialog when the theme is highlighted.
- tv The focus highlight images are actually drawn behind the regular button backgrounds or fill colors, so it works better if the button background images are semi-transparent.

# Appendix P: Operating System Differences

SageTV is available for multiple operating systems, including Windows, Mac, and Linux. While SageTV operates similarly on all available systems, there are a few differences that a user may need to be aware of. Those differences are covered below.

## SageTV for Windows

Most of this manual covers the use of SageTV on a Windows system, since that is the first OS usable with SageTV.

## SageTV for Mac

SageTV for the Mac has these differences:

- tv Service mode is always used, so the service will use **Sage.properties** while the UI will get its settings from **SageClient.properties**. (See below for the locations of these files.)
- tv All photos will be imported from iPhoto.
- tv All finished recordings and completed recording conversions will be exported to iTunes.
- tv There is support for the MacMini and Hauppauge remotes.
- tv Since the Mac already includes a DVD decoder, a DVD decoder does not need to be installed before DVD playback is possible.
- tv The locations of some of the files are different. These locations are:
  - o Properties, database, and STV related files: **/Library/Application Support/SageTV/Data**
  - o External plugin libraries: **/Library/Application Support/SageTV/PlugIns**
  - o Helper tools: **/Library/Application Support/SageTV/Tools**
  - o Logs: **/Library/Logs/SageTV**

## SageTV for Linux OEM Edition

These are some of the differences for SageTV for Linux:

- tv Service mode is always used.

- tv The Linux UI is the Placeshifter client. As with all Placeshifter clients, DVD and BD playback is not available on the Placeshifter client. But, a media extender client can play non-encrypted imported DVDs and BDs.
- tv The properties and database files are stored in the standard location: in the SageTV server installation directory, and its “clients” subdirectory for the remote clients’ properties files. The server install directory is: **/opt/sagetv/server/**