

Video ToolBox™ 2

Home Edition

*User Guide
Ulead Systems, Inc.
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<http://www.ulead.com>

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Japan

Ulead Systems Inc.

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Welcome to Ulead Video ToolBox

Ulead Video ToolBox allows you to capture and edit video and output them to various formats so you can view the video on a computer. Video ToolBox's guided workflow lets you easily capture, edit and export video. Capture video from various sources such as a DV camcorder then edit it by selecting from various movie styles, trimming, adding text, and more. After editing, save them to formats such as MPEG-4, WMV, and more.

Note: Different video formats are supported depending on region or product version.

What's new

- **Designed for Home** User-friendly design, so there are simple, task-focused wizards for most common tasks.
- **Batch Conversion** Save time by converting a series of videos into any supported format, without the need for a separate application.
- **Auto-Enhancement** Auto-adjust the hue, saturation, brightness, and contrast of videos and photos.

System requirements

- Microsoft® Windows® 2000 and XP
- 128MB of RAM (256MB or more recommended)
- 200MB of available hard drive space for program installation
- 2GB+ hard drive space for video capture and editing
- Windows-compatible display with at least 1024x768 resolution
- CD-ROM, CD-R/RW, DVD-R/RW
- Windows compatible sound card

Supported file formats

Import

- **Video:** 3GPP, ASF, AVI, DVD (DVD-R/RW, DVD+R/RW, DVD-RAM), MPEG-1, MPEG-2, MPEG-4, WMV
- **Audio:** AC-3, AIF, AIFC, AIFF, AU, MP3, WAV, MPA, MP4, WMA
- **Image:** BMP, CLP, CUR, DCS, EPS, FPX, GIF, ICO, IFF, IMG, JPG, PCD, PCT, PCX, PIC, PNG, PSD, PXR, RAS, RLE, SCT, SHG, TGA, TIF, WMF

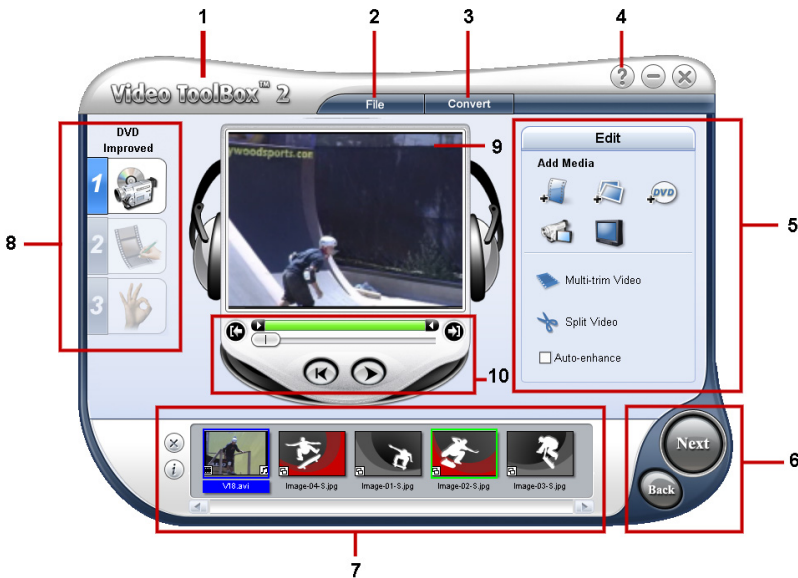
Export

- **Video:** DV AVI, MPEG-1, MPEG-2, MPEG-4, and WMV. 3GPP and 3GPP2 are supported in Batch Convert mode.

Installing Video ToolBox

To install Video ToolBox, insert the disc into the disc drive then click **Install** on the setup screen and follow the instructions.

User interface



1 Visit Ulead Web site

Click to launch your Web browser and connect to the Ulead Web site.

2 File menu

Select to open a menu where you can save your project file and set project preferences. (See "File menu" on page 8).

3 Convert menu

Click to open a menu where you can convert multiple video files that have different formats to a single format.

4 Help menu

Click to open a menu where you can access the help file and view product information.

5 Options Panel



Displays controls, buttons, and other information that you can use to customize the project. The contents of this panel change depending on the step you are in and the selected project element.

6 Step buttons

Click to go to the next or previous step.

7 Media Clip List

Displays the clips, transition effects and text that are used in the project.

Click  to remove the clip from the Media Clip List or click  to view the selected clip's properties.

8 Step Panel

Displays buttons that correspond to the different video editing steps.

9 Preview Window

Displays the video playback here.

10 Navigation Panel

Displays buttons for playback and trimming clips.

Navigation Panel

**1 Trim Bar**

Drag the ends of the bar to trim clips.

2 Mark-in

Click to mark the current position of the Jog Bar as the start of the clip.

3 Home

Returns to the starting frame.

4 Play

Plays, pauses or resumes the playback of the project.

5 Mark-out

Click to mark the current position of the Jog Bar as the end of the clip.

6 Jog Bar

Allows you to scrub through the project or clip.

File menu

- **New** Select to create a new project. Video ToolBox prompts you to save the current project before creating the new project.
- **Open** Select to open a previously saved Video ToolBox project (VTP).
- **Save** Saves the current project using the same file name.
- **Save As** Allows you to save the project file using another file name or path.
- **Preferences** Opens the Preferences dialog box where you can set capture options and set the frequency to check for updates on the Ulead Web site. ([See "Preferences" on page 21](#)).

New	Ctrl+N
Open...	Ctrl+O
Save	Ctrl+S
Save As...	
Preferences...	F6

Convert menu

- **Batch Convert** Opens the Batch Convert dialog box where you can choose multiple video files in different file formats and convert them to a single video file format. ([See "Batch Convert" on page 20](#)).

Help menu

- **Ulead Video ToolBox Help** Opens the online help.
- **About Ulead Video ToolBox** Displays product and copyright information.

Ulead Video ToolBox Help...	F1
About Ulead Video ToolBox	

Creating a video file

1. Determine video output setting

Video output

Select a video format and quality option.

2. Add/Edit media clip



Add media



Insert Video



Capture Digital Video



Insert Image



Capture Analog Video



Insert DVD/DVD-VR

Edit media



Multi-trim Video



Split Video



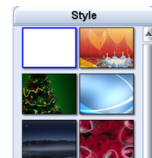
Rotate image

Auto-enhance

3. Choose style



Choose movie style



Choose a movie style from the available themes in the Options Panel.

Edit movie style elements



Text*



Background music



Transition effect*

* Feature is only available for PC sharing.

4. Create Video File



Create video file

Save your video file.

Step 1: Determine video output setting.

Select a video format and quality option.



Tip: Please read the **Description** to view the properties of the video format or the mobile carrier you selected.

Step 2: Add/Edit media clip

Select the type of media you want to add or capture then edit the media clip.

Add media clip Options Panel



Insert Video Allows you to add a video file to the project.



Insert Image Allows you to add an image file to the project.



Insert DVD/DVD-VR Allows you to add video from a DVD-Video or DVD-VR formatted disc to the project.



Capture Digital Video Opens a dialog box where you can capture video from a digital source (e.g. DV camcorder).



Capture Analog Video Opens a dialog box where you can capture video from an analog source (e.g. TV tuner card).

Edit media clip Options Panel



Multi-trim Video (Video only) Allows you to choose desired segments from a video file and extract them. (See “Multi-trim Video” on page 14).



Split Video (Video only) Cuts the selected clip into two. To cut, position the Jog Bar to where you want the first clip to end and the second one to start, and then click this button. (See “Trimming a clip” on page 13).



Rotate (Image only) Click to rotate the image 90 degrees clockwise or counterclockwise.

Auto-enhance Select to automatically adjust hue, saturation, brightness, and contrast of the clip.

Inserting clips into your project



Insert video, image and DVD/DVD-VR video into the project’s Media Clip List. To insert a clip, just click the button of the media clip you want to insert then in the dialog box that opens, locate the file and click **Open/OK**.

Note: Video ToolBox can only import DVD videos from non-copy-protected DVD discs or folders.

Capturing digital video

Video ToolBox lets you capture video from DV devices such as DV camcorders. Video ToolBox automatically saves the captured video in the DV AVI format.

To capture digital video:

1. Click **Capture Digital Video** .
2. Click **Toggle Display** .
3. Specify a **Capture folder** in which to save video files.
4. Click **Options** to open a menu for customizing more capture settings. The available options in the menu depends on the selected capture plug-in.
5. Use the **Navigation Panel** to scan your video to search the part to capture. The device control must be properly set up to be able to control the DV camcorder.



To set up the device control, click **Options** and select **Select Device Control**. In the dialog box, select the device control to use in **Current device**.

6. When you locate the start of the section that you want to capture, click **Capture Video** to start capturing.
7. Click **Stop Capture** or press **[Esc]** to stop capturing.
8. Click **OK**.

Capturing analog video

When footage is captured from analog sources such as VHS, Video-8, or TV, it is converted to a digital format that can be read and stored by the computer. Video ToolBox automatically saves the captured video in the DV AVI format.

To capture analog video:

1. Click **Capture Analog Video** .
2. Click **Toggle Display** .
3. Specify a **Capture folder** in which to save video files.
4. **Capture Video** to start capturing. Click **Stop Capture** or press **[Esc]** to stop capturing.
5. Click **OK**.

Capturing still images

In addition to capturing video, Video ToolBox also allows you to capture still images. Images are saved in JPEG format and the size depends on the source video's frame size.

To capture still images:

1. Depending on your device, click **Capture Digital Video** or **Capture Analog Video**.

2. If you are capturing from a DV device, click **Play** in the **Navigation Panel** to play your DV tape.

If you are capturing from an analog camcorder, press the Play button on your device to play your videotape.

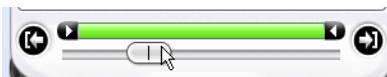
3. When you see the image you want to capture in the Preview Window, click **Capture Image**.
4. Click **OK**.


Trimming a clip

Cut out unwanted parts in your video or split your video into two clips.

To split a video clip:

1. Select the clip you want to split on the Media Clip List.
2. Drag the **Jog Bar** to the point where you want to cut the clip.

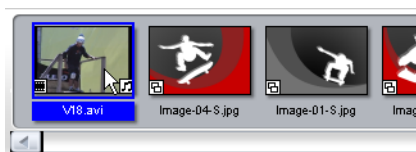


3. Click **Split Video**  to cut the clip into two clips.

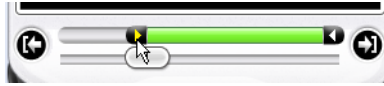
To remove one of these clips, select the unwanted clip and press **[Delete]**.



To trim a video clip with the Trim Bar:

1. Select a clip on the Media Clip List.



- Click and drag the Trim handles on the **Trim Bar** to set the Mark-in/Mark-out points on the clip.



The Mark-in/Mark-out points can also be set by pressing **[F3]** and **[F4]**, respectively. Drag the **Jog Bar** to the point in the clip that you want to set as the start/end of the clip then click **Mark-in/out**  .


Multi-trim Video

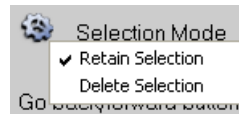
The **Multi-trim Video** feature is another method for splitting a clip into multiple segments. Multi-trim Video gives you complete control over the clips you wish to extract, making it easier for you to manage your project.



To trim a video file into multiple clips:

- Click **Multi-trim Video** in the **Options Panel**.
- In the **Multi-trim Video** dialog box, view


the whole clip first by clicking  to determine how you want to mark segments. If you want to mark segments to retain, click **Selection Mode** then select **Retain selection**.



Otherwise, select **Delete selection** if you prefer to mark segments that you want taken out from the clip.

3. Drag the **Jog Bar** until you locate the point in the video that you want to use as the beginning frame of the first segment. Click

 **Start.**

Drag the Jog Bar again, this time, to the point where you want the segment to end. Click  **End.**

4. Repeat step 3 as required until you have marked all the segments you want kept or removed.

Tip: To mark segments, you can also press **[F3]** and **[F4]** while playing the video.

5. Click **OK** when finished. The video segments that you kept are then inserted onto the Media Clip List.

Navigation controls in the Multi-trim Video dialog box:



Reverses or advances through the video in fixed increments. By default, these buttons move up or down through the video in increments of 25 seconds. To change this, set the **Go back/forward button duration** to the desired increment value.



Drag the **Shuttle Control** to quickly reverse or advance through the video.



Plays the trimmed segments.



Plays the whole video.




Moves to the start or end frame of a trimmed segment.




Moves to the previous/next frame in the video.

Creating an image slideshow

You can create a video slideshow using your images. To create, click

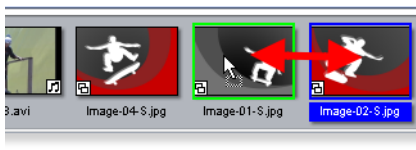
Insert Image  then in the dialog box, select the images (press **[Ctrl]** or **[Shift]** to select multiple files) you want to include in the slideshow and click **Open**. The duration of each image can be set in the **Preferences** dialog box. ([See "Preferences" on page 21](#)).

Rotating an image

Use the rotate buttons   to change the orientation of the selected image.

Rearranging the position of the clips

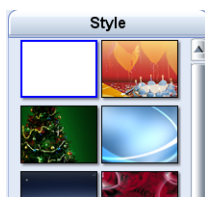
Rearrange the clips in the Media Clip List by dragging and dropping the clip to the desired position.



Step 3: Choose a style

Choose a movie style for your project then customize movie style attributes such as transition effects, background music and text.

Selecting a movie style



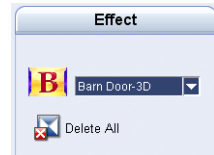
In the Options Panel, click the style you want to use.

Tip: If you do not want to apply a style to your project, select the white thumbnail in the Options Panel.

Changing the transition effect

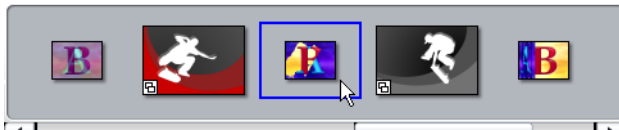
Transition effect Options Panel

- **Transition effect** Select the transition effect you want to use in the drop-down menu.
- **Delete All** Click to remove all transition effects in the Media Clip List.



To change the transition effect:

1. In the Media Clip List, click the transition effect you want to change.



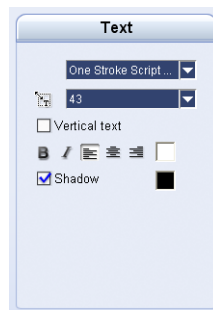
2. In the Options Panel, select a transition effect from the drop-down menu.

Tip: Click **Delete All** to remove all transition effects from the project.

Editing text

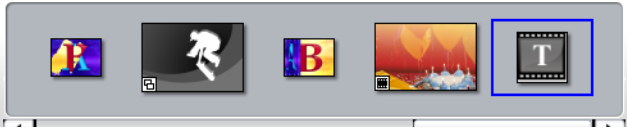
Text Options Panel

- **Font face** Select your desired font style.
- **Font size** Set your desired font size.
- **Vertical text** Makes the orientation of the title vertical.
- **Font style** Set the text as bold, italic, and/or underlined.
- **Alignment** Aligns horizontal text to the left, center, or right. Or, aligns vertical text to the top, center, or bottom.
- **Color** Specify your preferred font color.
- **Shadow** Select to add a shadow to the text. Click the color box to change the shadow color.



To edit the text:

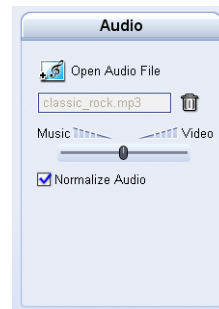
1. In the **Media Clip List**, click the text you want to edit.





2. In the Preview Window, double-click the text box to edit the text. Click an empty space in the Preview Window when you are done editing the text.
3. Adjust the text attributes using the settings in the Options Panel.

**Changing the background music****Audio Options Panel**

- **Open Audio File** Opens a dialog box where you can locate an audio file to use as the background music.
- **Remove background music** Removes the background music from the project.
- **Music/Video slider** Adjust the volume of the background music with respect to the video's audio.
- **Normalize Audio** Select to automatically adjust the volume to a standard level. This is useful when the background music used is recorded at varying volume levels.

**To change the background music:**

1. Click **Change Background Music** .
2. In the Options Panel, click **Open Audio File** . In the dialog box, locate the audio file you want to use for your background music and click **Open**.
3. Use the **Volume** slider to adjust the volume of the background music with respect to the video's audio. Dragging the slider to

the left increases the volume of the background music and decreases the volume of the video's audio.

Step 4: Create Video File

Create a video file using one of the supported output video formats.

To create a video file:

1. Click **Create**.
2. In the **Create Video File** dialog box, enter the file name then click **Save**.

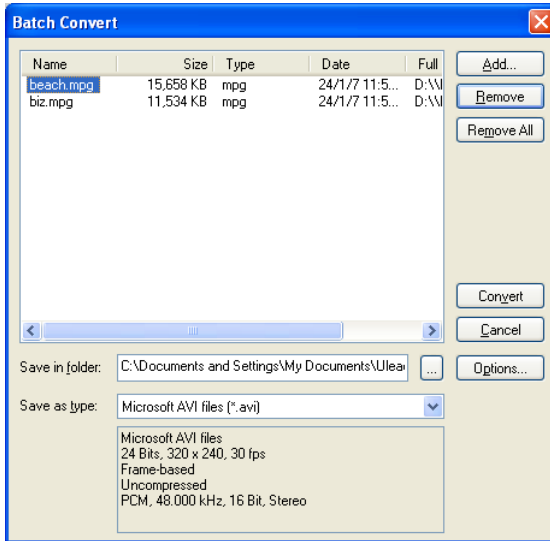
If you have Ulead VideoStudio 8 or Ulead DVD Movie Factory 3 installed in your computer, the **Burn** button will be displayed in the Options Panel. Click **Burn** to use VideoStudio or MovieFactory to burn your video onto a disc.

<p>Note: The Burn button is only available for the DVD, VCD and SVCD formats.</p>

Appendix

Dialog boxes

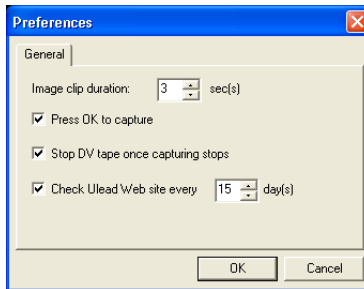
Batch Convert



- **Batch Convert List** Displays the video files to be converted. The size, type, date modified and path of the video files are also displayed.
- **Add** Opens the **Batch Convert** dialog box where you can select the files you want to convert.
- **Remove** Deletes the selected file from the Batch Convert List.
- **Remove All** Deletes all the files in the Batch Convert List.
- **Save in folder** Click **Browse** to select a folder where to save the converted video files.
- **Save as type** Select the file format to which the video files will be converted.
- **Convert** Starts the conversion process.

- **Cancel** Closes the dialog box without converting the video files.
- **Options** Opens the **Video Save Options** dialog box where you can define save and compression settings for the selected file format. (See “Video Save Options” on page 25).

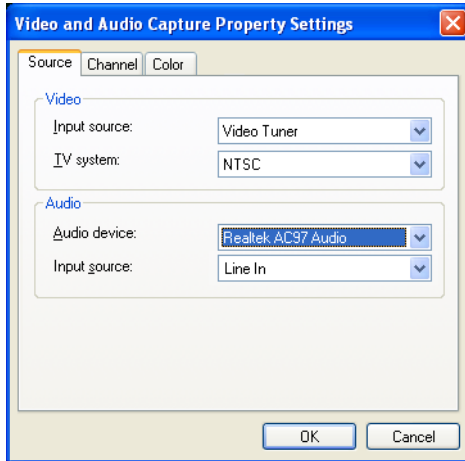
Preferences



- **Image clip duration** Specify the clip length for all image clips that will be added in your video project. The unit of time for duration is in seconds.
- **Press OK to capture** Allows you to press **OK** to start capturing.
- **Stop DV tape when capturing stops** Enables the DV camcorder to automatically stop the tape playback after a video capture process is completed.
- **Check Ulead Web site every** Select to specify how often the program checks the Ulead Web site for news and updates.

Video and Audio Capture Property Settings

Source tab



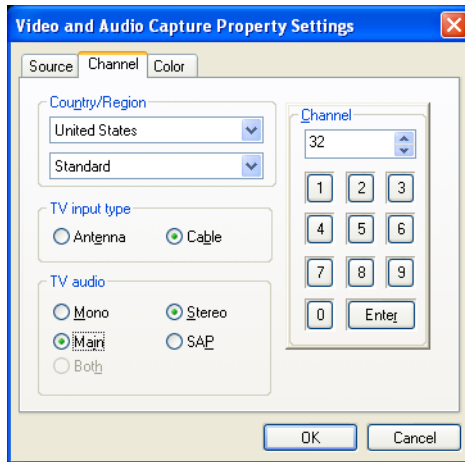
Video

- **Input Source** Determines where your data comes from. Select **Video Composite** if you have a video input jack and one (Mono) or two (Stereo) audio input jacks. Select **Video Tuner** for TV input and **Video S-video** for S-video input.
- **TV system** Specify whether to use NTSC or PAL, depending on your region. NTSC is predominant in North America and many Asian countries. PAL is the television standard in Europe and the South Pacific.

Audio

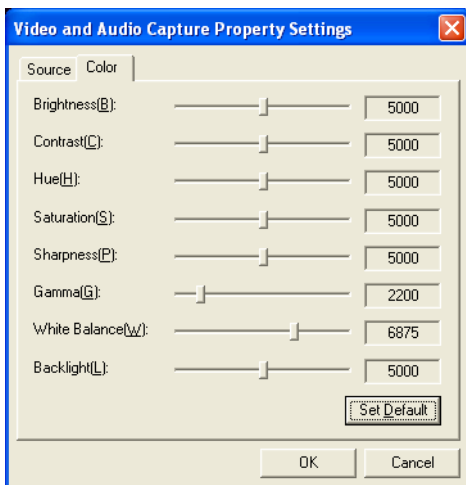
- **Audio device** Select the audio device where you want to capture audio from.
- **Input source** Indicates the current sound input device. Should there be any problems with your audio, simply check if you've selected the appropriate sound input device from the **Audio input source** drop-down list.

Channel tab (TV tuner only)



- **Country/Region:** Determines the available channels in your place.
- **TV input type:** Determines the mode of your television input. Select **Antenna** if you're using an antenna to watch television or **Cable**, if your television utilizes a cable TV system.
- **TV audio:** Select the audio format currently used by the TV.
- **Channel:** Enter the channel of the television program you plan to capture footage from.
- **Advanced:** Click to open the **TV Channel Manager** dialog box where you can scan for the TV channels available in your region.

Color tab

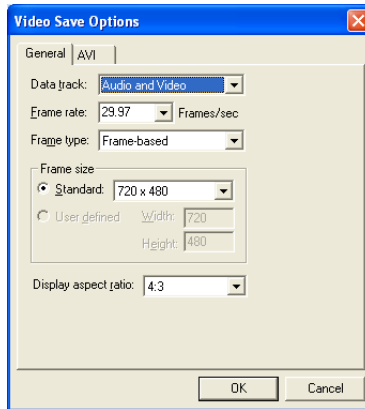


Allows you to adjust the analog source's video properties such as brightness, contrast, hue and saturation before you capture the video into Video ToolBox.

There are various video property options that you can adjust in this dialog box. Drag the sliders for each item to increase or decrease the value. Click **Set Default** to reset the values to their original settings.

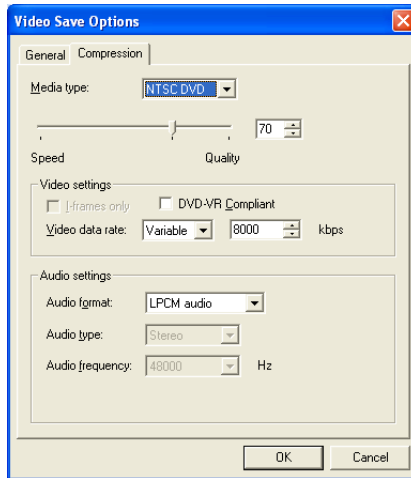
Video Save Options

General tab



- **Data track:** Specify whether to create the video file or the video track only or include the audio track.
- **Frame rate:** Specify the frame rate to use for the resulting video file.
- **Frame type:** Select between saving your work as field-based or frame-based video files. Field-based video stores video data as two distinct fields of information for each frame. If your video is only for computer playback, you should save your work as frame-based.
- **Frame size:** Select the size of the frame or define your own for the video file.
- **Display aspect ratio:** Select from a list of supported pixel aspect ratios. By applying the correct aspect ratio, images appear properly when previewed thus avoiding distorted motion and transparency on images.

Compression tab (MPEG files)



- **Media type:** Select MPEG-1 or MPEG-2 for basic MPEG options. If you want to strictly follow the DVD, VCD or SVCD specifications, you should select one of the media types available on the drop-down menu. Select either NTSC or PAL depending on your region.
- **Speed/Quality:** Drag the slider to control the compression of a file. Dragging the slider to the right produces a higher quality video but at the expense of fluid motion of the video. Dragging the slider to the left produces a fluid motion video but at the expense of quality of the video.

Video settings

- **Video data rate:** Select either to use constant bit rate (CBR) or variable bit rate (VBR) to encode your video file. The value must be between 390-14648 kbps. When CBR is selected, the data rate entered will be used all the time regardless of the amount of information of the video. It may fluctuate at some points but overall it will try to approximate the data rate entered. When VBR is selected, the data rate will adjust itself depending whether the material is simple or complex. It will not exceed the data rate entered in the box.

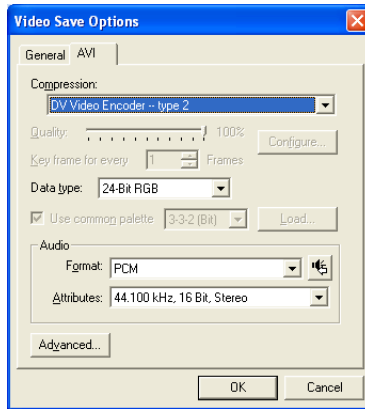
I-frames only By selecting this option, the MPEG encoder will only compress the video to something called **I-frames** (and not P or B frames). This makes the quality better but the file size will be much larger. For most people, you should leave this option unselected, as it disables an important part of MPEG compression.

DVD-VR compliant: Select to automatically set the video data rate to be compliant to DVD-VR specifications.

Audio settings

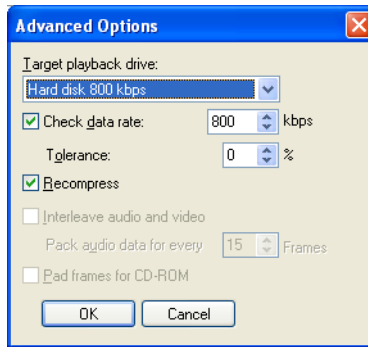
- **Audio format:** Select an audio coding format for DVD-Video. MPEG video encoding format include audio encoding, which use lossy information. Linear PCM (LPCM) is an uncompressed audio format which is similar to CD audio, but with higher sampling frequencies and quantizations. LPCM's maximum bit rate is 6.144 Mb/s, which is much higher than MPEG-2 coding. LPCM offers high quality but its drawback is that higher data rates leave little bandwidth for video. AC-3 audio is the digital standard for compressed audio files. It is a new and unique way of digitally compressing and decoding audio channels into a very small space to produce high quality audio playback. It covers eight different channel combinations ranging from conventional monophonic or stereophonic sound up to a 6-channel surround-type format.
- **Audio type:** Select from Mono, Stereo or Joint Stereo (often used in MPEG compression).
- **Audio frequency:** This is a measure of the quality of the audio: 44100Hz is considered CD quality.
- **Audio bit rate:** This is a measure of the data rate of the audio: White Book MPEG-1 audio is 224 kbps.

AVI tab



- **Compression:** Shows the available compression schemes. A no compression option is also available.
- **Quality:** Drag the slider to control the compression of a file.
- **Configure:** Click for additional compression options.
- **Key frame for every _ Frames:** Specify the distance between "key" frames used by the compression scheme.
- **Data type:** Select from the list of available data types of the currently selected video compression scheme.
- **Use common palette:** Select the color palette to use for saving the video.
- **Load:** Click to load a previously saved color palette.
- **Audio:** Click to open the **Audio Format** dialog box where you can change the audio characteristics.
- **Advanced:** Click to open the **Advanced Options** dialog box where you can specify additional settings for your saved video.

Advanced Options



- **Target playback drive:** Specify the data rate of your storage device.
- **Check data rate:** Select to compare the data rate of the compressed file to the selected Target Playback Drive. Change this rate to more closely match the data rate of the target storage device.
- **Tolerance:** Specify the acceptable percentage of difference on the specified data rate and the data rate of the compressed file.
- **Recompress:** Select this option to force the program to re-render (recompress) the project. In most cases, you should leave this option unchecked.
- **Interleave audio and video:** Select to be able to specify the interleave ratio between the audio and video data.
- **Pack audio data for every _ Frames:** Specify when the next portion of audio data follows the video data.
- **Pad frames for CD-ROM:** Select to help make your CD-ROM more efficient in playback by standardizing the video data structure when saving.

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