



User Guide

©Tightrope Media Systems
Applies to Cablecast 6.5.2 Build 33

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<http://www.trms.com/cablecast/support>

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I. Getting Started

1 Preface

1.1 Thank You

Thank you for picking Cablecast and thank you for choosing Tightrope! We appreciate your business, not only because we depend on it, but because we really believe in Cablecast as a uniquely powerful tool that has changed the lives of our customers since 1999. Your choice inspires us to keep going.

1.2 About This Documentation

This is the Cablecast Manual and it is intended for anyone who will be involved in the automation of your station.

This manual does not include:

- Instructions on installing and configuring the system for first-use. New systems include commissioning service for this purpose.
- Instructions on installing or upgrading the Cablecast software. New systems ship with the software pre-installed.
- Specific information about 3rd part device configuration. This is covered in the *Cablecast Control Module Reference Guide*.

1.3 About Tightrope

Tightrope Media Systems is a manufacturer of web-centric media delivery and display systems. We strive to provide integrated solutions designed specifically for the markets we choose to address, with a web-centric interface as a core design of everything we do.

For more information on Tightrope Media Systems, please visit our web site: www.trms.com

Email us at: info@trms.com

Our Address is:

Tightrope Media Systems
800 Transfer Road, Suite 1B
Saint Paul, Minnesota 55114

For customer service, please contact your dealer or Tightrope Media Systems directly:

Forum : <http://forums.trms.com>

Email : support@trms.com

Support Request Form : An online support request form is at www.trms.com/community

Knowledge Base : www.trms.com/community/knowledgebase

Training Videos : www.trms.com/community/training_videos

Blogs : blog.trms.com

Chat : chat.trms.com

Phone : (866) 866-4118 / (612) 866-4118



The fastest way to get support is through email, the online support form, chat and our forum. The forum requires a free registration.

1.4 Conventions Used In This Guide

Throughout this guide, the following conventions will be used:



This is a note. Notes are used to call attention to special information that may be helpful to keep in mind.



This is a tip. Tips show unique ways to use the software, and tricks that have been picked up by other users.



This is a warning. Warnings call attention to actions that may result in unforeseen consequences, such as actions that delete large amounts of data or configurations that might have network security implications.

This is a margin note.



If we want to highlight a section of the text that is critical to a particular topic, we'll insert a margin note, like the one you see next to this paragraph. Margin notes might also include small pictures of the user interface, when a figure would be too cumbersome.

If we need to call special attention to something that is critical, you might see the symbol you that you now see to the left.

When the text references a particular menu item, field or label within the software, that text will appear as follows:

Example: Click on the **Main Menu** button.

When we talk about or reference a menu in the software, we use a special style and reference it in the margin. When we reference menus, we leave out the main menu and we separate each menu with a colon (":").



**Configuration:
Channel Con-
figuration**

Example: To edit your channel's configuration, go to *Configuration: Channel Configuration*.

When the text references user input, “this format” will appear.

Example: When logging into Frontdoor from the main server, enter “localhost” into the browser's address field.

When quotes are used to display user input, do not include them in your input unless specifically told to do so.

You'll notice that we've used a couple of 'Examples:' in this section. You will see those throughout the text. They highlight... examples.

2 System Overview

2.1 What is Cablecast?

Cablecast is an audiovisual headend management system for television stations. It is capable of managing many aspects of your station's life including: program information, schedules, routing switchers, digital video servers, public web schedule output, reports, video on demand servers, live streaming servers, TV Guide X-List output and Carousel schedule display. It is the automation and back office system for your headend operations.

Through its web interface, Cablecast gives your staff the tools they need to program their entire audiovisual headend.

2.2 System Components

There are several hardware and software components that together comprise a working Cablecast system.

Software Components:

Frontdoor : Frontdoor provides user login, security settings, user rights assignment and related functions. Frontdoor is a web application that you will log in to whenever you want to access Cablecast.

Cablecast Web User Interface : The Cablecast Web User Interface is the heart of your Cablecast system. Depending on your configuration, the Cablecast Web Interface may be hosted by your video server, or on a separate server.

Cablecast Video Overlay : The Cablecast Video Overlay application adds built-in, high quality channel branding capabilities to your SX series video server.

Cablecast DSK : The Cablecast DSK application allows Cablecast to control third-party downstream key devices for channel branding.

Hardware Components:

Cablecast Server : We call the server that is running the Cablecast Web User Interface the Cablecast Server. Depending on your configuration, the Cablecast Server might be the same physical computer as one or more of following additional devices.

VOD Server : The VOD server is responsible for transcoding video files so that your viewers can watch them on-demand from your website. The server also stores all of the resulting transcoded files.

Video Server : The video server is responsible for recording and playback of digital media files.

Live Streaming Server : The live streaming server encodes your final channel output in an Internet-friendly format. The resulting stream can be displayed on your website so that your viewers can watch your channel online.

On-air CG : Tightrope's Carousel digital signage product is often used as a character generator between programs.

There are several additional devices that you will likely need beyond those that Tightrope has supplied. These devices might include:

Routing Switcher : The routing switcher controls how video and audio signals are connected within your facility. The Cablecast Server will directly control the routing switcher so that the appropriate connections are made as needed.

Playback and Recording devices : In addition to the Video Server, you may have additional playback and recording devices that you would like to use such as DVD players.

Live Sources : Beyond the playback devices already described, you might have additional sources that are used for live events.

Preview Monitor : It is always a good idea to have a monitor that you can use to check things without needing to put them out on-air. We call this a Preview Monitor.

2.3 Example System

The following system diagrams show an example Cablecast System.

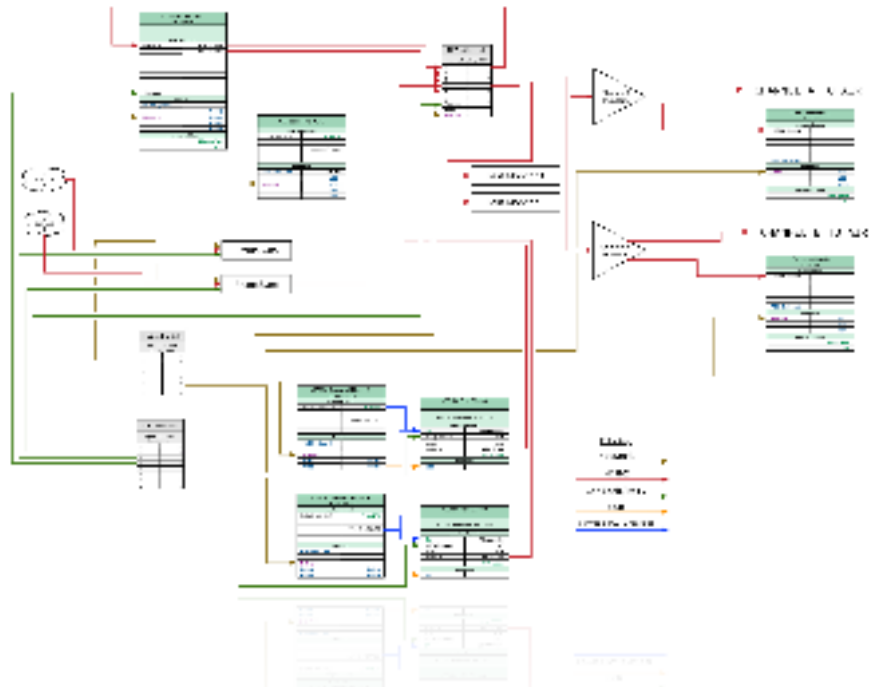
The system in Figure 2.1 is comprised of:

Cablecast Pro with VOD Server : The CablecastPRO with VOD server includes the following software functions: hosts the Frontdoor web-based user-management application, hosts the Cablecast Web User Interface, acts as the Video On Demand server for the system, among other functions.

An SX2HD Video Server : The SX2HD Video Server includes two playback and one recording channel as well as storage for its video content.

Two Cablecast Live Streaming Servers : Each live streaming server is able to record one television channel's output for Internet based streaming.

FIGURE 2.1: An example Cablecast System



A Blackmagic Designs Routing Switcher : Cablecast can control hundreds of different routing switchers, for the purposes of this example, we will use the Blackmagic Design Smart Videohub.

Feeds to two Cable TV channels : This example system will feed HD-SDI video to two separate Cable TV channels. Each channel is independently controllable.

3 Quick Start

This chapter will walk you through a few basic operations of your Cablecast system. The purpose of this chapter isn't to give you an in-depth explanation of how everything in Cablecast works. Instead, our aim is to walk you through a few of the basics that you will use virtually every day you use Cablecast.



This section assumes that your system has been installed and configured. If it has not, please contact us in order to arrange this service.

If you perform all of the following sections in order, you will have a basic idea of how to login to the software, add a digital file for playback, schedule that file, and commit the changes to automation. If everything works as expected, you will have a file playing back on-air in about 10 minutes.

3.1 Logging In

To log in to the Cablecast software:

Step 1: From the Windows desktop of your Cablecast Server, launch **Internet Explorer**.

Step 2: If the Frontdoor login screen doesn't automatically appear, please navigate to "localhost".

Step 3: Enter "admin" in the username field.

Step 4: Enter "trms" in the password field.

Step 5: Click **Log In**



You should change the password for the admin account right away, as it is never a good idea to use the manufacturer-provided password!

Step 6: Click **Cablecast** to launch the Cablecast Web User Interface.

3.2 Importing a Digital Media File into Cablecast

Cablecast is able to playback programming from a variety of sources. The most common type of source used is a video server that is capable of playing back files. This exercise will walk you through the steps needed to add a file to the video server and create a new *Show* record based on that file.



- Step 1:** From the Windows Desktop of your video server, locate the digital media file that you would like to import into Cablecast.
- Step 2:** Drag the file into the “E:\” drive.
- Step 3:** From the Main Menu of the Cablecast Web User Interface, click  **Digital Files** in the Side Menu on the left side.
- Step 4:** Navigate to the **Orphaned** tab.
- Step 5:** Click on the file that you added in the list of orphaned files.
- The File Details screen opens.

FIGURE 3.1: The file details screen



The screenshot shows the 'File Details' screen for a file named 'Ryan Test.mpg'. At the top, there are four buttons: 'Reindex' (blue), 'New Show' (blue), 'Rename' (blue), and 'Delete' (red). Below these buttons is a green bar indicating the 'Server: SX'. The main content is a table with file metadata.

Ryan Test.mpg			
<div> <div>Reindex</div> <div>New Show</div> <div>Rename</div> <div>Delete</div> </div>			
Server: SX			
File Name	Ryan Test.mpg		
Path	E:\Ryan Test.mpg		
Length	00:00:13	File Size	79 MB
Codec	MPEG2	Frame Rate	29.97
Frame Size	1920x1080	Aspect Ratio	16:9
Bit Rate	47.58 Mb/sec	Sample Rate	48 kHz
Created	Wednesday, June 24, 2015 6:54:39 PM		
Modified	Wednesday, June 24, 2015 6:52:04 PM		

- Step 6:** Click **New Show**.

The New Show screen opens.

- Step 7:** Scroll to the bottom of the New Show screen and click **Save**.

3.3 Scheduling a Show

Now that we have a *Show* we can add it to the Schedule so that we can play it back automatically.

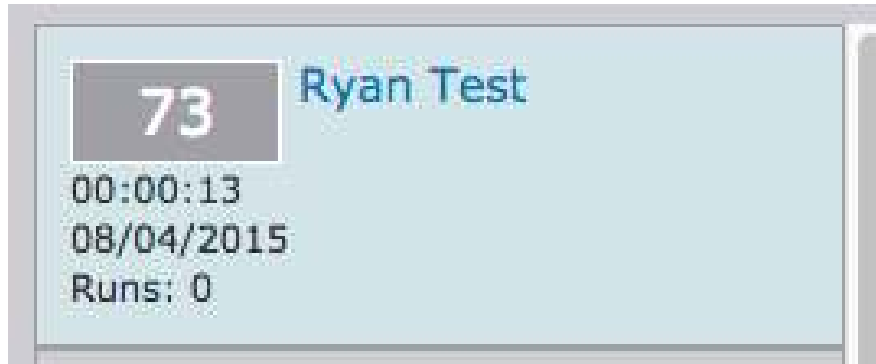
- Step 1:** Click  **Schedule** in the Side Menu.

The Cablecast Schedule interface will appear.

Step 2: Locate the *Show* that we just added in the list of Shows on the right side.

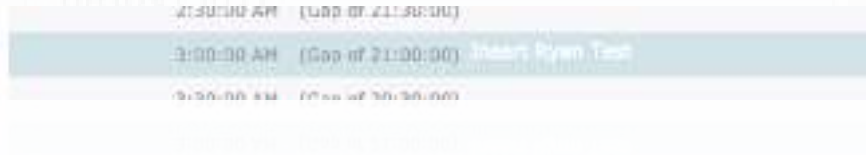
Step 3: Click on the Show to select it.

FIGURE 3.2: A selected show



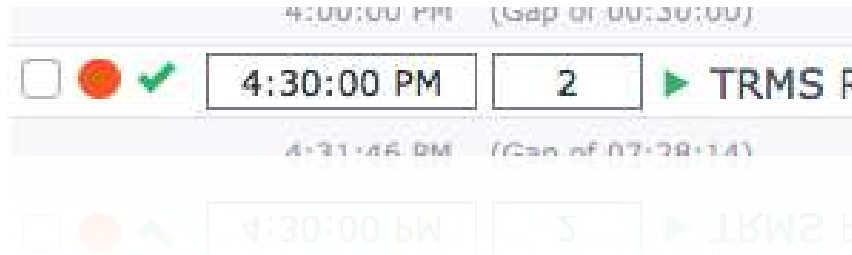
Step 4: Locate an open time slot in the Schedule on the left side.

FIGURE 3.3: An open time slot



Step 5: Click on one of the open time slots in the Schedule on the left side to schedule the program.

FIGURE 3.4: Scheduled Show



3.4 Sending Autopilot

Now that we have a Schedule, it is time to commit these changes so that Cablecast can act upon them. We call this *Sending Autopilot*. To send Autopilot:

Step 1: Click  **Autopilot** in the Side Menu.

Step 2: Click **Send Autopilot**

Step 3: Click **Go**

Once the send is complete, you will be taken to the send report screen. This screen includes information about any errors or warnings that occurred while autopilot was being sent.

II. User Interface Reference

The following pages include an explanation of all of the screens, settings and options within Cablecast.

4 Main Menu

The Main Menu of Cablecast gives a comprehensive overview of the system which includes information on Autopilot, Digital Files, Video On Demand, System Health, and what is currently on air and up next on your system's channels.

FIGURE 4.1: The Main Menu of Cablecast.



4.1 Menu Bar

The Menu Bar is present on every screen in Cablecast. It contains the **Site Name**, **System Time**, **Breadcrumbs**, and **Quick Search**.

FIGURE 4.2: The Cablecast Menu Bar appears at the top of every screen in Cablecast.



Site Name : The Site Name is a user configurable name for your Cablecast system. It can be changed in the *Server Setup* section of Frontdoor. In Figure 4.2 the Site Name is **Tighty.TV**.

Breadcrumbs : The Breadcrumbs in the menu bar allow you to see where you are in Cablecast's navigation hierarchy. Clicking on **Main Menu** will take you to the Cablecast Main Menu from anywhere in the application. Clicking on intermediate links in the breadcrumbs will bring you to that screen in Cablecast.


Server Time : The Cablecast server's time is displayed in the Menu Bar. This time is corrected periodically to keep it as close to the

Cablecast Server's actual time as possible. It is always shown using the Cablecast Server's time zone.


Quick Search : The quick search box allows searching for Shows from anywhere in Cablecast. You can enter the ShowID to go directly to a Show Record if it exists.


4.2 Side Menu


The Side Menu in Cablecast allows access to any top level screen from anywhere in Cablecast. Table 4.2 describes each item in the Side Menu.


Schedule  : Use to manage runs, crawls and record events.


Shows  : Use to manage Shows and searches.


Producers  : Use to manage producers.


Autopilot  : Use to commit the schedule and send events to the hardware. You can also use this menu for real time control of the system.


Digital Files  : Use to view information on your system's playback files. You can also rename files, create new Shows from orphaned files, and delete files from this screen.


Internet Video  : Use to manage **Video On Demand** and **Live Streaming**.

Tools  : Use to access **Batch Functions**, **Plugins**, **Reporting** and **Developer Tools**.

Settings  : Use to access **Location Settings**, **System Settings**, and **User Settings**.

About  : Use to display the **About Screen**. This screen will display the version of Cablecast currently installed.

Frontdoor  : Use to navigate to Frontdoor and the Carousel signage system.

Log Out  : Use to log out of Cablecast.

4.3 System Dashboard

The **System Dashboard** seen in Figure 4.3 displays various metrics about the Cablecast system.

FIGURE 4.3: The System Dashboard.



Autopilot : The Autopilot dashboard group displays when Autopilot was last sent. If the Schedule has been modified, or if the current send duration has elapsed, it will be highlighted red as seen in Figure 4.3.

Digital Files : The Digital Files dashboard group displays how many playback files are available to the system, and in what state they are in.

Video on Demand : The Video On Demand dashboard group displays how many VODs are available to the system, and in what state they are in.

Server Health : The Server Health dashboard group displays the condition of all RAID arrays, and disk volumes available to the system. If any RAIDs are in a warning state, or if any disk volumes lack sufficient free space, the heart will appear broken and the icon will be red.

4.4 Channel Summaries

The Cablecast Main Menu will display a Channel Summary for any channel that has scheduled events at the current location. The Channel Summary will display any currently on air events, as well as up to three upcoming events. The timecode values listed below the **ShowID** countdown in real-time based on the Cablecast Server's clock. Also listed is the device that will air the event such as a video server or live feed. When a passthrough is scheduled both the live source and the video server will be displayed as seen in 4.5.

FIGURE 4.4: A Channel Summary.

Tighty.TV			
17	▶ Access SCC September/October 2014	00:28:22	7:01:39 AM-7:31:17 AM SX Out
3	▶ NAB 2014 Artbeats 30min	00:28:42	7:31:37 AM-7:57:31 AM SX Out
2	▶ TRMS Rap Video	00:57:05	8:00:00 AM-8:01:26 AM SX Out
		00:23:02	8:00:00 AM-8:01:32 AM SX Out

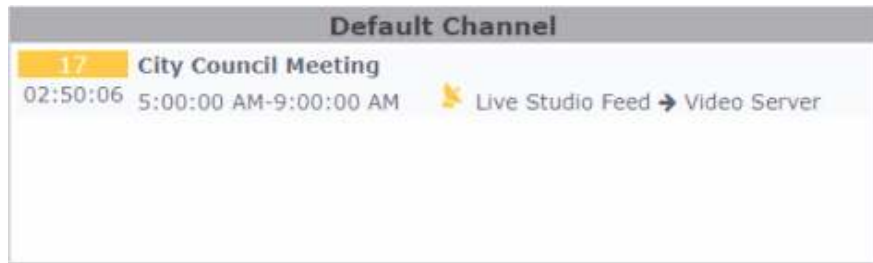


The blue color seen in the first event in Figure 4.4 indicates that the event is currently on air. This blue is used throughout the Cablecast interface to indicate on air items.




The gold color seen in the event in Figure 4.5 indicates that the event is a first run. This gold is used throughout the Cablecast interface to indicate first runs.

FIGURE 4.5: A Channel Summary.



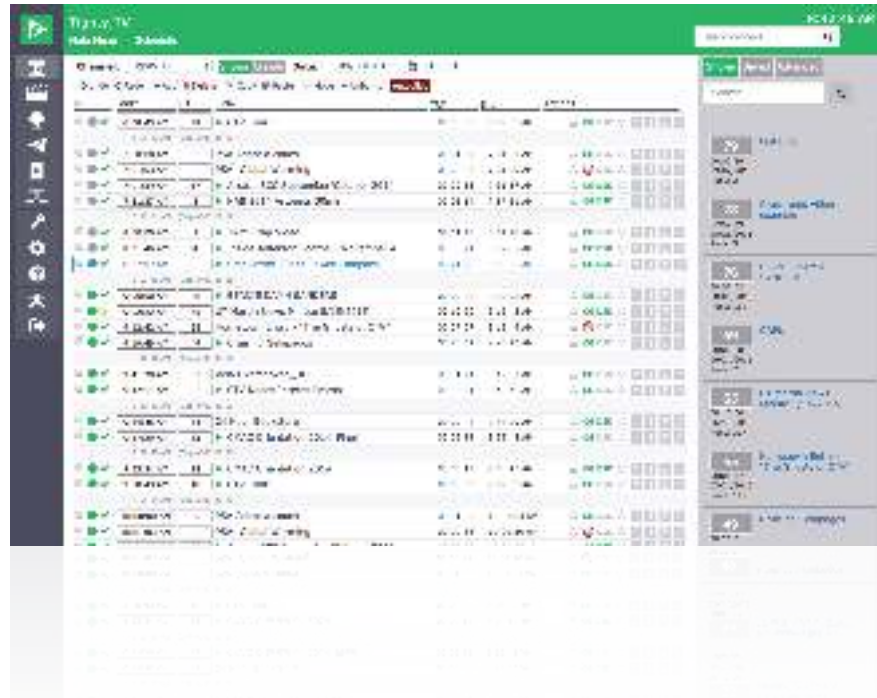
4.5 Location Changer

If your Cablecast system has more than one Location configured, you will see the  Location Changer in the toolbar. Clicking this button will allow you to switch between Locations.

5 Schedule

The Schedule, shown in Figure 5.1, is where Shows, Crawls, and Record Events are scheduled. The Schedule is calendar based, meaning that any calendar day can be scheduled independently.

FIGURE 5.1: The Cablecast Schedule.



5.1 Schedule Toolbar


The Toolbar at the top of the Schedule, shown in Figure 5.2, allows for changing the current schedule day, switching modes, and performing bulk operations on selected items. Each item in the Toolbar is described in Table 5.1.



FIGURE 5.2: The Schedule Toolbar.







Channel **Tighty.TV** : Use to switch between channels. The **Record Schedule** at the bottom of the drop down is where record events can be scheduled.


Mode **Shows** : Use to switch between scheduled Shows or crawl events. The current mode is highlighted green.


Date  : Use to choose date being worked on. The **Left Arrow**, **T**, and **Right Arrow** change the date to previous day, today and next day respectively.


Undo  & **Redo**  : Use to undo and redo changes to the Schedule. Note that undo history is only maintained in the current web browser session.

Add  & **Delete**  : Use **Add** to insert empty runs, crawls or record events into the Schedule. The **Delete** button is used to delete any selected runs, crawls or record events.

Copy  & **Paste**  : Use to copy any selected items into the clipboard. The **Paste** button is used to open up the **Paste Side Pane** and duplicate the items in the clipboard.

Move  : Use to open the **Move Side Pane** which allows for moving any currently selected runs.

Unbump  : **Unbump** is used to move any currently selected runs back to their original scheduled time, if they were previously bumped due to a schedule conflict.

Autopilot  : When indicator is green, there are no changes to the schedule that would affect the current Autopilot send. When the indicator is red, there are modifications to the schedule that require an Autopilot send.

5.2 Shows Schedule

The **Shows** schedule mode is used to schedule *runs* of Shows. A run is shown in Figure 5.3. In the section below, the parts of a run are described from left to right.

FIGURE 5.3: A Show run.



Checkbox : Indicates if the run is selected. Selected runs can be moved, deleted, or copied as a single block using the [Schedule Toolbar](#).

Run Status : Circle to the right of the selection checkbox is used to indicate if the run has been committed via Autopilot. Gray indicates the run is in the past, red indicates the run is uncommitted, green indicates the run is committed, and blue indicates the run is on air.

Run Type : Icon to the right of the **Run Status** indicates what type of device will be used for playback of the run. **Run Types** and their icons are described in table 5.2.

Start : The time the run is scheduled to start. The time can be changed by entering a new time directly in the form field.


ID : The ShowID of the scheduled show. The ID can be changed by entering a new ID or searching for a Show title in the form field.


Title : The title of the scheduled show.


TRT : The total run time of the scheduled show.


End : The time which the run will end. This field is calculated from the **Start** time and **TRT**.


Actions : Buttons which perform actions on the run. Described in table 5.2.


Valid File  : Indicates that this Show is a valid digital file.


Invalid File  : Indicates that this Show is an invalid digital file.

Missing File  : Indicates that this Show is set to use a digital file, but that the file does not exist.



Tape  : Indicates that this Show will play back from tape.



DVD  : Indicates that this Show will play back from DVD.



Live  : Indicates that this Show will play live.



Network Stream  : Indicates that this Show will play from a Network Stream.

Manual  : Indicates a Manual Event.



Bump  & **Unbump**  : Use to move the run so it does not conflict with the previous run. The **Bump** icon is only displayed if there is a conflict. The **Unbump** icon is only displayed if the run has been bumped, and the conflict is resolved.



Locked  & **Unlocked**  : Locked indicates that the run is currently locked. Locking a run will prevent Autopilot from bumping the run because of conflicts. Unlocked indicates that the run may be bumped, if needed.


CG  & **CG Exempt**  : Use to control whether runs will be presented on public facing schedules. **CG** indicates that the run will be publicly viewable. **CG Exempt** indicates that the run will be excluded from public schedules.


DSK  & **DSK Disabled**  : **DSK** is displayed if there is DSK data for the run. **DSK Disabled** indicates that there is no DSK data for the run. Clicking

this icon will bring up the **Run Details** pane to allow editing of the DSK info to add down stream key data (crawl text and bug text) to a run.

Record  & **Recording Disabled**  : **Record** is displayed if there is a record event associated with the run. **Recording Disabled** is displayed if there is no record event associated with the run. Clicking **Recording Disabled** will create a record event and open the Run Details pane for editing.

Move Up  & **Move Down**  : Use to move a run. **Move Up** moves a run, so it begins when the previous run ends. **Move Down** moves a run, so it ends when the next run begins.

Delete  : Use to delete a run from the Schedule.

Edit  : Use to open the **Run Details** pane.

5.2.1 Right Side Pane

To the right of the runs in the **Show** schedule is a pane used for searching Shows and contextual controls for pasting, moving and editing of runs. The side pane in its default search mode is seen in Figure 5.4. Click the **Shows**, **Saved**, or **Advanced** buttons to bring up the different search options described next.

Shows : The simplest search mode. Type a search term into the **Search** box and click the magnifying glass to search.

Saved : Recall [Saved Searches](#) and list the most recent results.

Advanced : Build a custom query to filter available Shows by any property of the Show.

5.2.2 Adding Runs

There are three ways to schedule a new run.

Select and Schedule

Selecting a Show from the search results in the right side pane and then clicking a time slot is the simplest way to schedule a show.

Step 1: Find the Show you wish to schedule using any of the search methods in the [Right Side Pane](#).

Step 2: Click anywhere in the Show card. The card will be highlighted blue as shown in Figure 5.5.

Step 3: Click anywhere in a time slot to schedule the show. While your mouse is over a time slot it will be highlighted blue if the Show can fit in the time slot, or red if scheduling the Show here would create a conflict.

FIGURE 5.4: Side pane on right side of schedule.

Shows Saved Advanced

access

Q

17

Access SCC
September/October
2014

00:29:38
12/11/2014
Runs: 261

16

Access SCC
July/August 2014

00:28:28
12/11/2014
Runs: 192

15

Access SCC
May/June 2014

00:29:19
12/11/2014
Runs: 106

14

Access SCC
March/April 2014

00:28:00
12/11/2014
Runs: 463

13

Access SCC
January/February
2014

00:28:17
12/11/2014
Runs: 421

12

Access SCC
November/December
2013

00:27:26
12/11/2013
Runs: 438

Displaying 6 of 6 results.

00:27:26
12/11/2013
Runs: 438



Click a selected Show card to deselect it or simply hit the **ESC** key on your keyboard.

FIGURE 5.5: A Show selected for scheduling.



Add Button

The **+ Add** button in the **Schedule Toolbar** can be used to add empty runs to the Schedule. These runs can then be edited manually to update the **Start** and **ID** fields. This is an efficient way to schedule, if you already have a list of start times and ShowIDs.

- Step 1:** Click the **Add** button in the **Schedule Toolbar**. The **New Runs** side pane will open on the right as shown in Figure 5.6
- Step 2:** Enter the number of new runs desired in the form field.
- Step 3:** Click **Runs** to create the empty runs. They will be placed at 12:00:00 AM as shown in Figure 5.7.
- Step 4:** Fill in the **Start** and **ID** fields.

FIGURE 5.6: New Runs side pane.

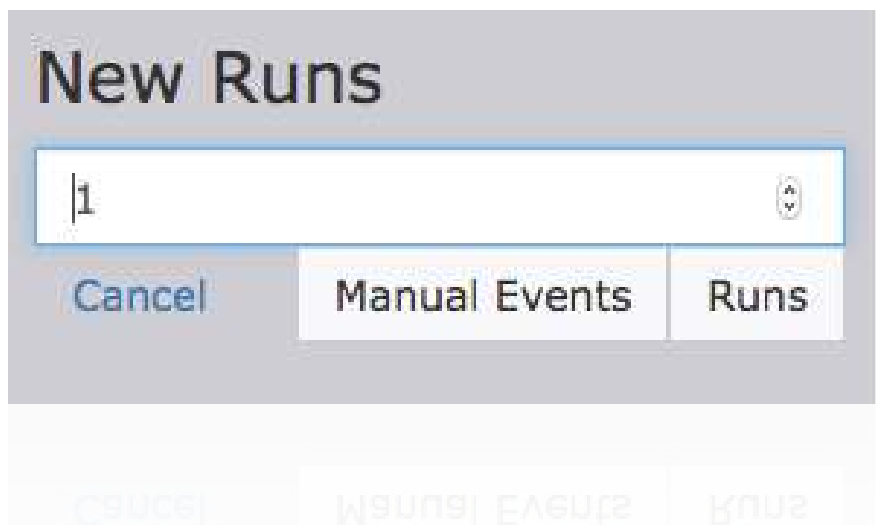


FIGURE 5.7: Five empty runs scheduled using the **Add** button.



	Show	ID	Time	Day	Week	Actions
<input type="checkbox"/>	?	12-18-17 AM				
<input type="checkbox"/>	?	12-18-17 AM				
<input type="checkbox"/>	?	12-18-17 AM				
<input type="checkbox"/>	?	12-18-17 AM				
<input type="checkbox"/>	?	12-18-17 AM				

Clicking Timeslots

Any time slot in the Schedule can be clicked to create an empty run at that time. Then, the **ID** of a Show can be entered manually. This is useful if you already know the **ID** of a Show and know when the **Start** time should be.

- Step 1:** Click a time link in the time slot you wish to schedule the Show. An empty run will be placed at that time.
- Step 2:** Enter the **ID** of the Show you wish to schedule.

5.2.3 Deleting Runs

There are two ways to delete runs in the Schedule.

Deleting Individual Runs

You can delete any individual run in the Schedule by clicking the delete icon for the run, . A full list of run actions can be viewed in the [Schedule Actions Table](#).

Deleting Multiple Runs

You can delete multiple runs in the Schedule by clicking the selection checkbox for any run that should be deleted. Then, clicking the **Delete** button, in the [Schedule Toolbar](#) will delete the selected runs.



You can tick a run’s checkbox and then tick another run while holding the **Shift** key on your keyboard. This will select all the runs between them.

5.2.4 Copy / Paste

The **Copy** and **Paste** functions of the Schedule allow for duplicating runs. Runs can be duplicated from one day to any other day in the Schedule.

Copying Runs

- Step 1:** Tick the checkbox on the runs you wish to copy to add the runs to the current selection.

Step 2: Click the **Copy** button on the [Schedule Toolbar](#) or **Ctrl + C** on your keyboard.

Pasting Runs

When runs are in the clipboard, they can be pasted either by opening the **Paste Pane** or by clicking the **Paste** button in any timeslot.

Paste Runs Pane

The **Paste Runs** pane, shown in [Figure 5.8](#), allows for multiple options of pasting.

Original : Runs will be scheduled at the same time, but on the current schedule date. This option is useful for repeating blocks of programming at the same times but on different dates.

Step 1: Copy the runs you wish to schedule.

Step 2: Navigate to the desired destination day in the Schedule.

Step 3: Click **Paste** in the **Schedule Toolbar** or press **Ctrl + V** on your keyboard.

Step 4: Click **Original**.

To Time : Runs will be scheduled starting at a user defined time while keeping the time between programs in a block the same. This option is useful for repeating blocks of programming at different times and days.

Step 1: Copy the runs you wish to schedule.

Step 2: Navigate to the desired destination day in the Schedule.

Step 3: Click **Paste** in the **Schedule Toolbar** or press **Ctrl + V** on your keyboard.

Step 4: Click **To Time**.

Step 5: Enter the desired destination time in the **Paste to Time** prompt.

Step 6: Click **OK**.

Advanced : Runs will be duplicated to multiple dates and times while keeping the spacing between programs in a block the same. This option is useful to repeat the same block of programming multiple times for a defined schedule. Read more about **Advanced** pasting in [Advanced Paste](#).

Advanced Paste

Choosing **Advanced** from the Paste Runs pane allows you enter multiple dates and times to repeat a block of runs using the advanced paste builder. The advanced paste builder shown in [Figure 5.9](#) will repeat a block of

FIGURE 5.8: The Paste Runs Pane.

Paste Runs

☒ **Original**
Paste runs to the currently selected day at their original times

☐ **To Time**
Paste runs to the currently selected day at any time

☐ **Advanced**
Paste runs to multiple different days and times

Cancel

programming on September 16th at 12:00:00 AM and 3:00:00 PM, and September 17th at 1:00:00 AM and 9:00:00 PM. The fields in the advanced paste builder are:

Load Blocks : This dropdown allows you to load pre-defined blocks of paste targets. See [blocks](#) for more information on creating blocks.

Pick a Day : The date picker allows for creating a new paste day.

Date : The Date at the top of a paste day displays what calendar date the copied runs will be pasted to.

X : The **X** in the upper right will remove an entire paste day from the advanced paste builder.

Time : Each paste day contains a list of times at which runs will be duplicated.

Remove : The **Remove** link removes an individual time from a paste day.

Cancel : Close the **Paste Runs pane** without pasting any runs.

Reset : Remove all paste days and paste times.

Paste : Perform the paste, duplicating any runs in the clipboard to each of the date time combinations defined in the paste builder.

Time Slot Paste Button

When runs are copied and in the clipboard, a **Paste** button will be available (Figure 5.10) on all time slots. Clicking this button will paste the copied runs to that time. This is equivalent to using the **Paste To Time** feature in the **Paste Runs pane**.

5.2.5 Moving Runs

Existing runs can be moved in three different ways.

Moving Individual Runs

You can move any individual run in the schedule by clicking the **Move Up** or **Move Down** buttons in the **Actions** section of a run. See the [Actions Table](#) for details about the **Move Up** and **Move Down** actions.

FIGURE 5.9: The advanced paste builder.

Paste Runs

Load Block

Wednesday, September 16, 2015 **x**

12:00:00 AM

Remove

3:00:00 PM

Remove

Add a Time

Add

Thursday, September 17, 2015 **x**

1:00:00 AM

Remove

9:00:00 PM

Remove

Add a Time

Add

Pick a Day

Cancel

Reset

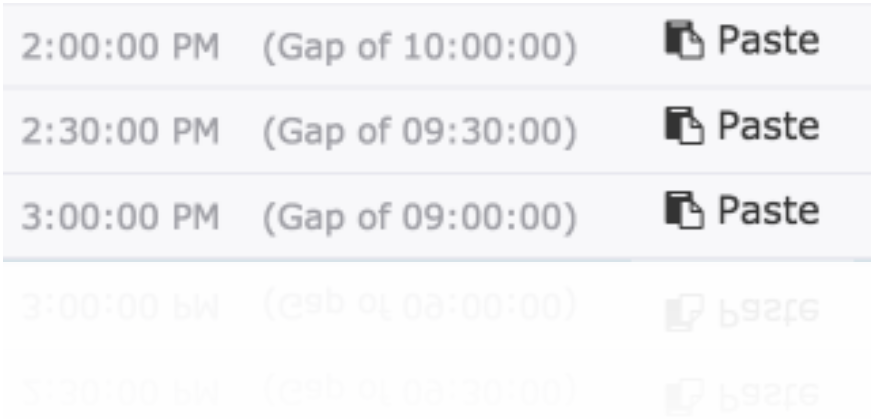
Paste

Cancel

Reset

Paste

FIGURE 5.10: Time slot paste button.



Moving Multiple Runs

You can move multiple runs in the Schedule by clicking the selection checkbox for any run that should be moved. Then, clicking the **Move** button in the [Schedule Toolbar](#) to open the **Move Runs** pane shown in [Figure 5.11](#). All selected runs will be moved, so the time in-between runs is maintained. The options for the **Move Runs** pane are listed below.

Move Up : Moves selected runs, so the first run in the selection begins when the previous run ends. If there is no previous run, the first run in the selection will be moved to 12:00:00 AM.

Move Down : Moves the selected runs, so the last item in the selection ends when the next run begins. If there is no next run, the last item in the selection will be moved so it ends at 12:00:00 AM on the next day.

Move To : Opens a prompt for a start time. The first run in the selection will be moved, so it starts at the specified time.

Move By : Opens a prompt for a timecode. The first run in the selection will be moved by the entered value. Negative values will move the run earlier in time.

Time Slot Move Button

When runs are selected, a **Move** button will be available ([Figure 5.12](#)) on all time slots. Clicking this button will move the selected runs to that time. This is equivalent to using the **Move To Time** feature in the **Move Runs** pane.

FIGURE 5.11: The Move Runs pane.

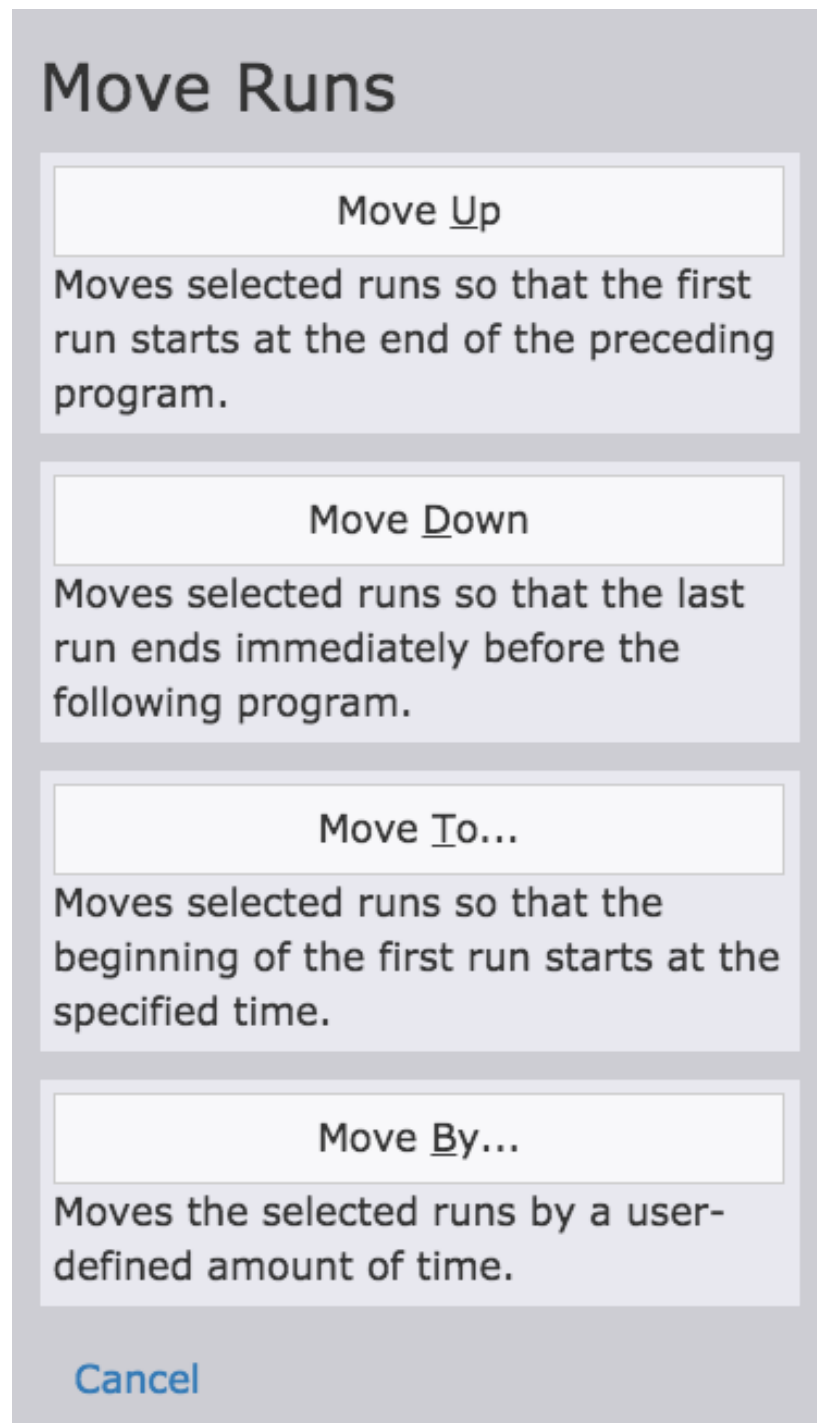


FIGURE 5.12: Time slot move button.

7:00:00 AM	(Gap of 17:00:00)	⇌ Move
7:30:00 AM	(Gap of 16:30:00)	⇌ Move
8:00:00 AM	(Gap of 16:00:00)	⇌ Move

5.3 Crawl Schedule

The Schedule can be switched to viewing crawls (Figure 5.13) by clicking the **Crawls** button in the [Schedule Toolbar](#). The fields of a crawl event are described from left to right below.

Checkbox : Indicates if the crawl event is selected. Selected crawl events can be deleted or copied as a single block using the [Schedule Toolbar](#).

Start : The time that the crawl event will begin to display.

Text : The message that will be displayed by the crawl event.

Length : The duration in hours:minutes:seconds that the crawl event will be displayed.

End : The time that the crawl event will stop being displayed. Calculated by adding the **Length** to the **Start** properties.


Actions : The delete button, , can be used to delete an individual crawl. The edit button, , will open the **Edit Crawl Event** side pane.

FIGURE 5.13: Working with crawl events in the schedule.



5.3.1 Creating Crawls

Creating a new crawl is easy.


Step 1: Navigate to the desired date for the new crawl event.

Step 2: Click **Add** in the **Schedule Toolbar** or **Create New Crawl** in the right side pane to bring up the **New Crawl Event** pane shown in Figure 5.14.

Step 3: Fill out **Start**, **Length** and **Text** fields.


Step 4: Click **Save** to save the new crawl event.

5.3.2 Editing Crawls

To edit an existing crawl, click the edit button,  in the **Actions** section of the crawl event you wish to edit. This will open the same form described in [Creating New Crawls](#). Make the desired changes and click **Save** to finish the edit.

5.3.3 Deleting Crawls

Deleting crawl events is the same as deleting runs described in [Deleting Runs](#).

Single Crawl Event : To delete a single crawl event, click the delete button,  in the **Actions** section of the crawl event you wish to delete.

Multiple Crawl Events : To delete multiple crawl events, click the checkbox of each crawl event you wish to delete adding it to the current selection. Then, click **Delete** in the **Schedule Toolbar**.

FIGURE 5.14: Creating a new crawl event.



The image shows a mobile application form titled "New Crawl Event". The form has a light gray background with white input fields. It contains three main sections: "Start" with a time picker set to "12:00:00 AM", "Length" with a time picker set to "00:00:00", and "Crawl Text" with a large, empty text area. At the bottom, there are two buttons: "Cancel" in blue and "Save" in white with a blue border. The form is displayed on a white background.

New Crawl Event

Start

12:00:00 AM

Length

00:00:00

Crawl Text

Cancel Save

5.4 Record Schedule

The Schedule can be switched to viewing record events (Figure 5.15) by choosing **Record Schedule** from the **Channel** dropdown in the **Schedule Toolbar**. The fields of a record event are described from left to right below.

Checkbox : Indicates if the record event is selected. Selected record events can be deleted, or copied as a single block using the **Schedule Toolbar**.

Start : The time that the record event will begin to display.

Name : A user-defined name for the record event. This is useful to be able to distinguish several record events on the same day.

Length : The duration in hours:minutes:seconds that the record device will be recording for.

End : The time that the record event will stop. Calculated by adding the **Length** to the **Start** properties.

Device : The name of the device that will be recording.



Actions : The delete button,  can be used to delete an individual record event. The edit button,  will open the **Record Event Settings** side pane.

FIGURE 5.15: Working with record events in the schedule.



5.4.1 Creating Records

Creating a new record event is easy.

Step 1: Navigate to the desired date for the new record event.

Step 2: Click **Add** in the **Schedule Toolbar** or **Create New Record Event** in the right side pane to bring up the **New Record Event** pane shown in Figure 5.16.

Step 3: Fill out form. The fields of the form are described below.

Step 4: Click **Save** to save the new record event.

Record Event Side Pane

The fields of the **Record Event pane** are described below This is the same pane used to create new record events as well as edit existing record events.

Name : The user defined name of the record event.

Start : The time which the record event will start.

Length : The duration, in hours:minutes:seconds the record device will record for.

Source - Device : The device that will be recorded.

Destination - Device : The device that will perform the record.

Destination - Stream : The Network Stream that should be used as a source for the recording.

Destination - File Key : The name of the file that will be created if recording to a video server device.

Destination - Cue : Duration in hours:minutes:seconds that the record device will record prior to the actual start time of the record.



Some fields for **Source** and **Destination** are only shown depending on the type of device.



When in doubt, make your record events longer than expected. It's easy to stop record events that end early using the [Autopilot Force Matrix](#).

5.4.2 Editing Records


To edit an existing record event click the edit button,  in the **Actions** section of the record event you wish to edit. This will open the same form described in [Record Events Side Pane](#). From here, make the desired changes and click **Save** to finish the edit.

FIGURE 5.16: Creating a new record event.

The image shows a software interface for editing a record event. The title is 'Edit Record Event'. It is divided into three main sections: 'Settings', 'Source', and 'Destination'. The 'Settings' section includes fields for 'Name' (City Council Meeting), 'Start' (2:00:00 PM), and 'Length' (01:30:00). The 'Source' section has a 'Device' dropdown set to 'Live Feed'. The 'Destination' section has a 'Device' dropdown set to 'SX Encoder', a 'File Key' field with the text 'city-council-9-30', and a 'Cue' field set to '00:00:00'. At the bottom are 'Cancel' and 'Save' buttons. Below the dialog box, a faint, semi-transparent version of the same interface is visible.

Edit Record Event

Settings

Name City Council Meeting

Start 2:00:00 PM

Length 01:30:00

Source

Device Live Feed

Destination

Device SX Encoder


File Key city-council-9-30

Cue 00:00:00

Cancel Save

5.4.3 Deleting Records

Deleting record events is the same as deleting runs described in [Deleting Runs](#).

Single Record Event : To delete a single record event, click the delete button,  in the **Actions** section of the record event you wish to delete.

Multiple Record Events : To delete multiple record events, click the checkbox of each record event you wish to delete adding it to the current selection. Then, click **Delete** in the **Schedule Toolbar**.

6 Shows

A *Show* is the metadata that represents a single, self-contained item of programming. Examples could include a specific football game, a single city council meeting or an episode of a comedy series.

6.1 Show Screen

6.1.1 Basic Info

The following Basic Info fields are included in every Show:

ShowID : This number is assigned by Cablecast automatically and is the system-wide unique identifier for each Show. Cablecast allows you to enter a ShowID to instantly recall a Show in almost every screen.

Title : The user-defined name of the program. Using a concise, descriptive title will make it easier for you to find a given Show later when using Cablecast's search system.

CG Title : The public-facing name of the program. The **CG Title** is used for any publicly viewable description of the program, such as on your channels Character Generator, website, and TV Guide output.

Local ID : A user-defined identifier for the show. This field is not automatically generated by Cablecast. Typically this field is used when data is migrated into Cablecast from a different automation system. This allows you to find Cablecast Shows based on the old system's identifiers if needed.

Project : Defines a grouping of Shows such as episodes of the same series. You can create as many projects as you would like, but each Show can only belong to one project at a time.

CG Exempt : Checking this box tells Cablecast that this program should not be shown on your stations character generator, or other public-facing outputs. For example, you might not want to include each and every PSA on your website's schedule display.

Ancillary Files : You can upload supplementary files for a Show here. Examples might include the minutes and agenda of a public meeting, the crew list of a live production and so on.

Thumbnail : The thumbnail of a Show is used on your website to give viewers a visual representation of the Show. Cablecast will automatically generate a thumbnail for digital files on supported video servers, and you can always upload your own thumbnail.

6.1.2 Reels

Each Show in Cablecast includes a single *Reel* by default. You can add and delete additional reels, but each Show must have at least one.

The reel represents a segment of a Show, such as each half of a football game. When it comes time to schedule your channel, you will simply schedule the Show and Cablecast will take care of playing all of the needed reels in order automatically.

Reel Settings:

Reel Count : The total number of reels in the current Show.

TRT : The *total running time* of the Show, expressed in hours, minutes and seconds. This is the sum of the lengths of all of the individual reels.

In : The point in the source material at which the program starts. For example, if the file has 5 seconds of black before the beginning of the program, you will want to enter “0:00:04” or “0:00:05”. This field is expressed in hours, minutes, seconds.

Length : The desired on-air duration of the program. This field is expressed in hours, minutes, seconds.

Out : The point in the source material at which the program ends. This field is calculated based on the **In** and **Length** fields. In order to enter timing information for a given reel, you will need to populate the In field, as well as either the Length or Out field. This field is expressed in hours, minutes, seconds.

Format : The type of content that this reel represents. Cablecast includes some default formats, but you will likely need to create more of your own.

Media : The Cablecast Media record that is associated with this reel. Media records allow you to have several reels that use a single piece of physical media, such as several segments on a single tape. This feature is not often used.

Device : Indicates if a specific playback device has been manually assigned for this Reel; otherwise, it displays **Auto**. This setting can be edited by clicking Media: **Edit**.

Network Stream : The Network Stream that should be used to play back this live content. See Network Streams for more information.

Aspect Ratio : (For Digital File formats only) Indicates if the assigned aspect ratio setting for this reel has been manually set; otherwise, it displays **auto**. This setting can be edited by clicking Media: **Edit**.

Digital Files : (For Digital File formats only) Lists the files that Cablecast has associated with this reel. Clicking the link will bring up a dialog with more detailed file information.

Copy time from file : (For Digital File formats only) Sets the In, Length and Out fields for this reel based on the length of the associated digital file.

DVD Title and Chapter : (For DVD formats only) Sets the Title and Chapter of the disk that should be played for this reel.

Thumbnail : The system-generated thumbnail for the associated digital file or a format-based icon, if there is no thumbnail image.

Add : Adds a new reel after the existing reels.

Delete : Removes the last reel.

6.1.3 Bibliographic Info

The *Bibliographic Info* section allows you to keep track of additional details about the Show. The following fields are available:

Event Date : The date on which the Show was recorded. Example: the date of the football game.

Category : You can associate a user-defined category with all of your Shows to facilitate easier searches. Cablecast includes several default categories. You can edit and delete them as you see fit as well as create new ones.

Producer : The person or organization that created this program. You can add as many Producers to Cablecast as you need.

Comments : Any additional notes about this program.



This field is exposed to the public through Cablecast's API.

Custom Fields : Cablecast includes eight custom fields that you can name and use to store any other data you need.

6.1.4 DSK Settings

The *DSK Settings* section allows you to define default values to be used for DSK info when this Show is scheduled. For example, you can define

crawl text here, and it will be used automatically whenever this Show is subsequently scheduled.



These settings need to be set in the Show before it is scheduled. If you schedule the Show and then edit these settings, your changes won't show up on-air.

Bug Text : User-defined text that will be shown on-screen such as “Live” for live programs.

Crawl Text : User-defined text that will be slowly moved across the top or bottom of the screen while this Show is on air.

Crawl Length : Sets how long the **Crawl Text** will be shown after the start of the Show. This field is expressed in hours, minutes and seconds.

6.1.5 Live Streaming



This section is only shown if your system includes Cablecast Live Streaming hardware.

Live Streaming Exempt : If this box is ticked, Cablecast will not broadcast this program via live streaming. Instead, users will see a page informing them that this Show can't be viewed on-line.

6.1.6 TRMS Video On Demand



This section is only shown if your system includes Cablecast Video On Demand hardware.

VOD Enabled : If this box is ticked, Cablecast will automatically create Internet viewable versions of all digital files and publish them to your website.

Quality : Select the appropriate quality based on the content type of this Show. Higher qualities will improve the video quality at the expense of increased Internet bandwidth and storage space.

Status : Displays the current status of the automatic VOD transcoding operation.

Watch : Opens a separate window so that you can view the completed VOD file.

Link : Opens a dialog that allows you to copy a direct-link to the transcoded file.

Embed : Opens a dialog that allows you to copy a snippet of HTML code that can be placed on your website in order to display the completed VOD file.

6.1.7 Runs

This list shows all or some of the scheduled air times of this Show.

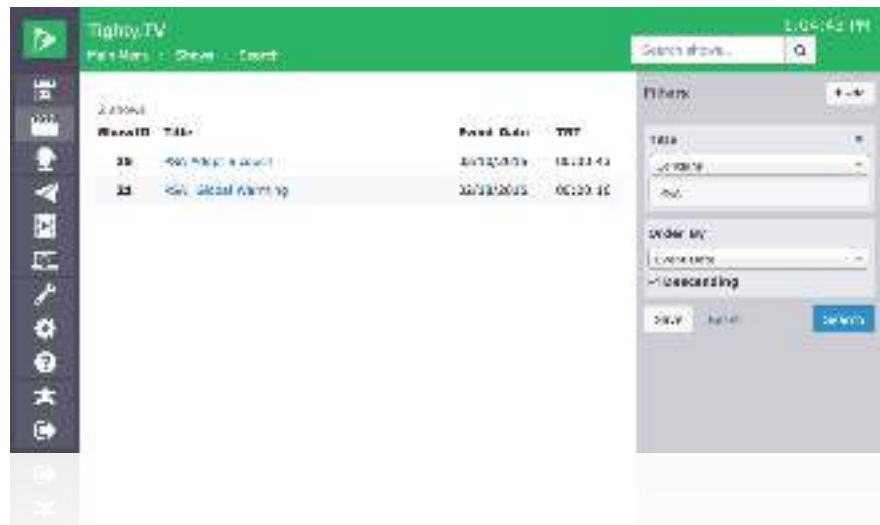
6.2 New Show

Use **New Show** to create an empty Show that you can then edit. See [Show Fields](#) for information about the fields on the Show screen.

6.3 Show Search

The **Show Search** screen allows you to search for Shows based on a variety of search terms.

FIGURE 6.1: The Show Search screen.



The right side of the screen in Figure 6.1 shows the **filters** that are currently applied to search. In the example seen in Figure 6.1, we are searching for Shows that contain the term “PSA” in their Title field.

The left side of the screen displays the list of Shows that match the current filters.

6.3.1 Filters

The filters area allows you to build complex searches quickly and easily. When you first enter the Show Search screen, the filters will look appear as shown in Figure 6.2.

FIGURE 6.2: The default search filters.

The image shows a web interface for search filters. At the top, there is a header bar with the word "Filters" on the left and a "+ Add" button on the right. Below this, the interface is divided into two main sections. The first section is titled "Title" and contains a dropdown menu with "Contains" selected, followed by a text input field with the placeholder text "Title". The second section is titled "Order By" and contains a dropdown menu with "Event Date" selected, and a checked checkbox labeled "Descending". At the bottom of the filter section, there are three buttons: "Save", "Reset", and "Search". The "Search" button is highlighted in blue, while "Save" and "Reset" are in white with blue text.

Filters + Add

Title ×

Contains ▼

Title

Order By

Event Date ▼

☒ **Descending**

Save Reset Search

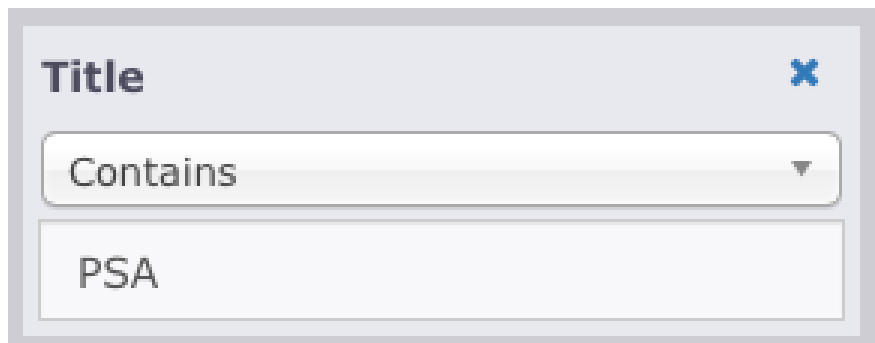
If we execute this search as-is, it will find all of the Shows in the system. This search consists of one search *groups*:

- *Title contains ""*

6.3.2 Groups

Each search group will filter the results to include only the Shows that match the group. To make powerful searches, you will combine many different groups.

FIGURE 6.3: The Title search group.



The group pictured in Figure 6.3 has a search that filters Shows based on the fact that they must contain “PSA” within the **Title** field.

The group consists of the following options:

Field Name : The name of the field that is being used by a specific group will be shown in bold on the top line. In the previous example, we are filtering by the **Title** field. If you would like to change the field that a group is using, you will need to remove the existing group and add a new one using the desired field.

Remove Button : The **X** in the top right of each group will allow you to remove a group from the search.

And / Or : The second and subsequent groups in a search will allow you to specify how this group is to be combined with the previous groups. If you select **And**, the Show must satisfy both the previous groups *and* the current group. If you select **Or**, the Show must satisfy one *or* both of the groups.

Contains / Does Not Contain : For text fields such as Title, you can set if the search should include items that *contain* or *do not contain* the specified text.

Belongs To / Does Not Belong To : For fields that are selected from a list of possible values such as Producer, Category and Project, you can select if the

search should include items that *belong to* or *do not belong to* the specified value.

On / Before / After : Available for date-based fields such as Event Date, Disposition Date and Modified. For example, if you wish to search for Shows that have been recently modified, you might select *After* and enter “30 days ago”. You may also enter a specific date instead of a relative expression.

Is / Is Not : Available for the *Digital File* field. This filter will match Shows based on the status of their digital files.

Equals / Greater Than / Less Than : Available for numeric fields such as Run Count.

6.3.3 Order By

Below the search groups you can control the order in which the results are displayed.

Field : Selects the field that should be used to sort the results.

Descending : Reverses the sort order.

6.3.4 Buttons

+Add : Press **+Add** to add an additional group to the search.

Save : Press **Save** to store this search as a *Saved Search* so that you can easily recall it later.

Reset : Press **Reset** to discard your changes and restore the search to its original state.

Search : Press **Search** to execute the search using the current filters and order by settings. After executing the search, you can further refine the filters and search again.

6.3.5 Results

The search results area shows the following information:

Result count : Displays the total number of Shows that match the specified filters.

ShowID : The unique ShowID of the Show.

Title : The title of the Show.

Producer : The name of the producer, if set.

Event Date : The event date of the Show.

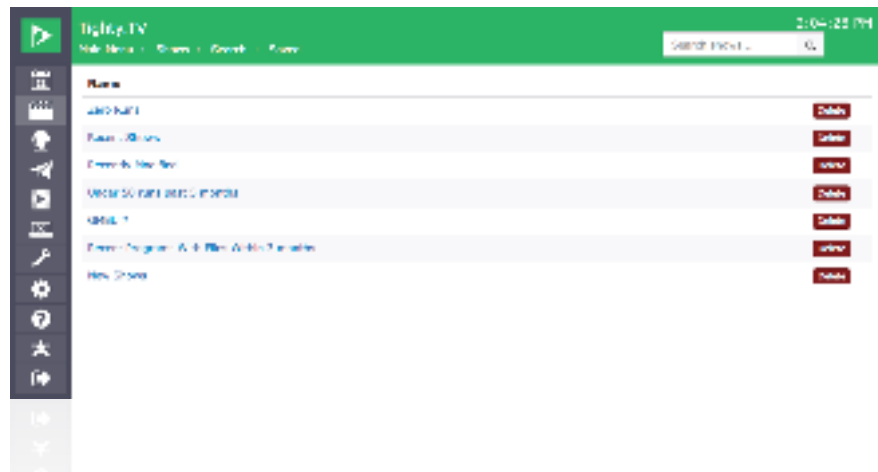
TRT : The *Total Run Time* of the Show.

Runs : The total number of times that the Show has ran.

6.4 Saved Searches

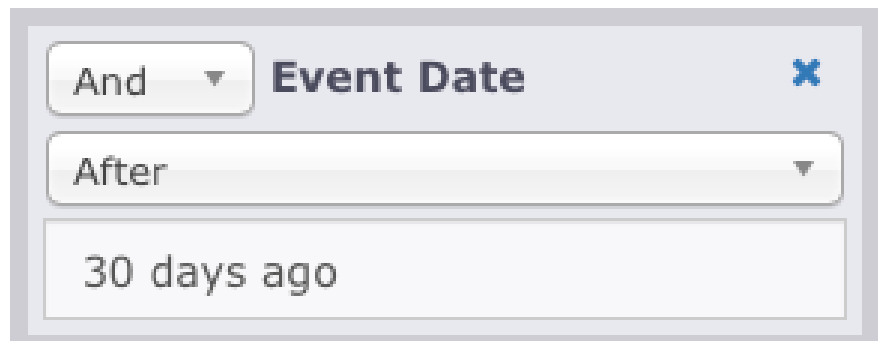
Saved Searches allow you to save and recall a search later. For example, you could create a search that looks for public service announcements or for episodes of a specific program.

FIGURE 6.4: The Saved Searches screen.



If you use date-based filters in your saved search, those dates will be evaluated when you execute the search later. In this way, you can easily make a saved search that finds Shows that have been recorded (based on their *Event Date*) within the last 30 days.

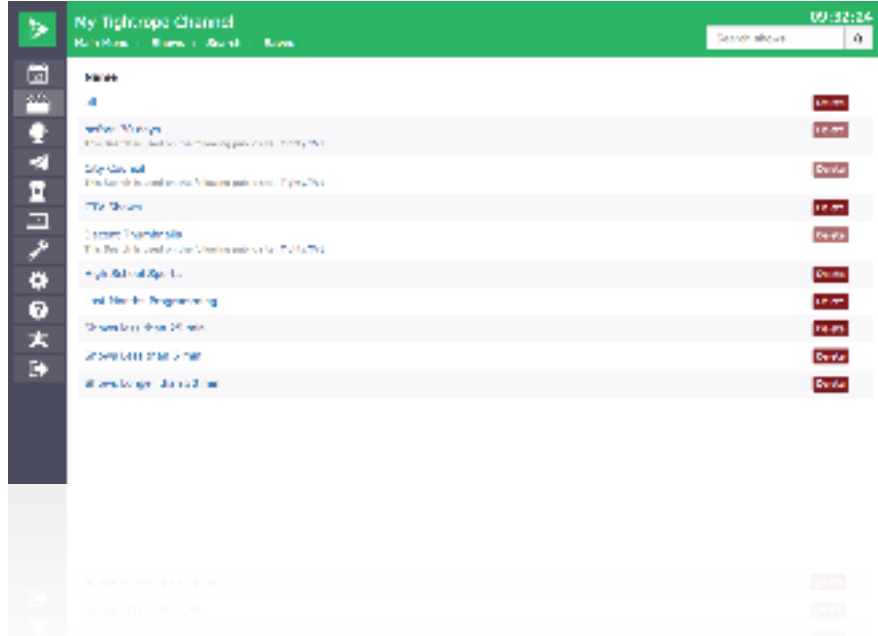
FIGURE 6.5: Search filter to match Shows recorded within the last 30 days.



From the main Saved Searches screen, you can click the searches name in order to load it, or you can click **Delete** to delete it from the system.

Saved Searches are used to populate portions of the Cablecast Public Site. You will be unable to delete any Saved Searches that are used in Public Site Galleries. A link to edit the public site will be listed below the Saved Search name. See [Public Site Settings](#) for information Public Sites.

FIGURE 6.6: Saved Searches used in Galleries.



6.5 Cleared Shows

The Cleared Shows screen allows you to see a list of Shows that have been cleared by clicking the **Clear** button in the Show screen. These Shows can be re-used if needed.

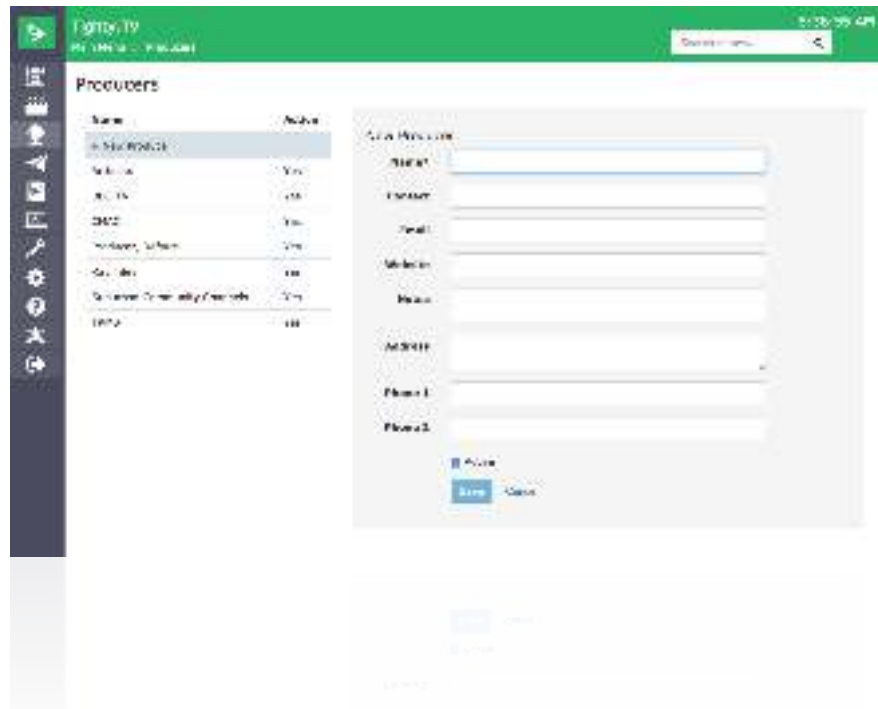


Clearing a Show removes all record of it's existence from Cablecast. This Show will not appear in reports or any other fashion. Reusing Shows is, in many ways anathema to the design goals of Cablecast and should only be done under special circumstances.

7 Producers

A *Producer* represents a person or organization responsible for creating a *Show*.

FIGURE 7.1: The Producers screen.



7.1 Producer Fields

The following fields, shown in Figure 7.2, make up a Producer.

Name : The name of the producer or organization.

Contact : The name of the contact of the producer.
This is useful if the producer is an organization.

Email : Email address of the producer.

Website : Website URL of the producer.

Notes : Notes about the producer.

Address : Mailing address of the producer.

Phone 1 : Primary phone number of the producer.

Phone 2 : Secondary phone number of the producer.

FIGURE 7.2: Editing a Producer.

The screenshot shows a web form titled "Edit Producer". It contains the following fields and values:

- Name***: Ray Tiley
- Contact**: Ray Tiley
- Email**: ray.tiley@trms.com
- Website**: www.trms.com
- Notes**: Ray loves open source.
- Address**: 800 Transfer Road, St. Paul, MN 55114
- Phone 1**: 866-866-4118
- Phone 2**: (empty)

Below the fields is an "Active" checkbox which is checked. At the bottom of the form are three buttons: "Save" (blue), "Cancel" (grey), and "Delete" (red).

Active : Indicates if the producer is active or not. Shows produced by inactive producers will cause an Autopilot error if scheduled.

7.2 Creating Producers

Creating a new producer is easy.

Step 1: In the **Producers** screen, shown in Figure 7.1 click **New Producer**.

Step 2: Fill out the form. The fields are described in [Producer Fields](#).

Step 3: Click **Save**.

7.3 Editing Producers

To edit an existing Producer:

Step 1: In the **Producers** screen, shown in Figure 7.1 click the **Name** of an existing producer.

Step 2: Fill out the form. The fields are described in [Producer Fields](#).

Step 3: Click **Save**.

7.4 Deleting Producers

To delete an existing Producer:

Step 1: In the **Producers** screen, shown in Figure 7.1 click the **Name** of an existing producer.

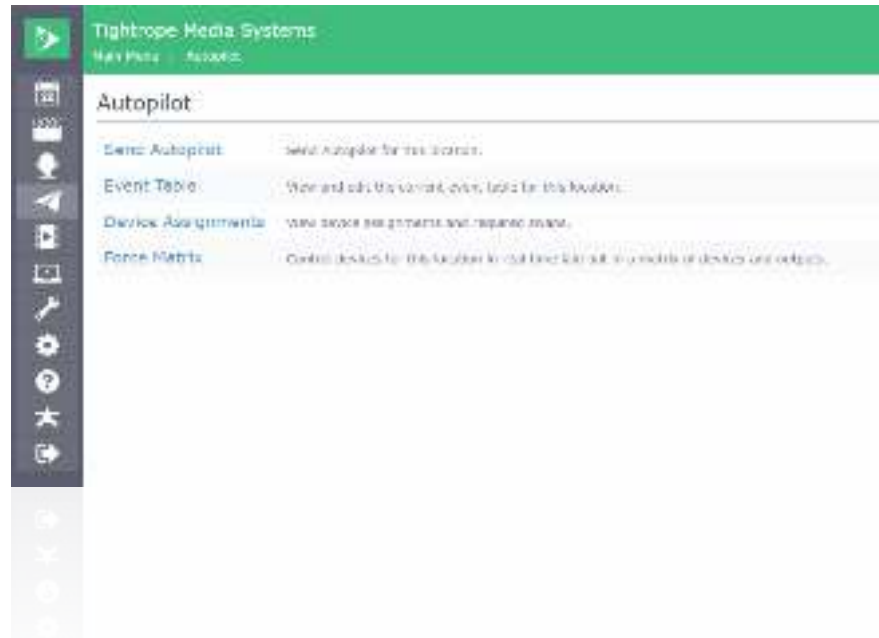
Step 2: Click **Delete**.

Step 3: Your choice to delete the producer will be confirmed. This operation cannot be undone. Click **OK** to confirm your choice and delete the producer.

8 Autopilot

The Autopilot menu in Cablecast is used to control the automation of your station.

FIGURE 8.1: The Autopilot menu



8.1 Send Autopilot

Sending Autopilot will take data from your Schedule and generate all of the events needed to automate your station.



After you have entered schedule data, you must *Send Autopilot* in order to have Cablecast execute the schedule that you entered.



When you *Send Autopilot* you are replacing any previously sent data.

This screen has several options:

'To' Date and Time : Sets the date and time at which Cablecast will stop generating events.



A good rule of thumb is to *Send Autopilot* until the end of the schedule that is finalized. If you know that your schedule won't change for two weeks, you can send for two weeks. There is no reason to send for six months, if you will be changing tomorrow's schedule since you will need to resend it anyways.

FIGURE 8.2: The Send Autopilot screen.



Use Sticky Devices : Sticky Devices will attempt to keep physical media assigned to the same devices. If you are using devices that require manual loading such as VTRs and DVD players, you should check this box. This setting has no effect on video servers.

Send events to hardware : This box should be checked for day-to-day use. If this box is not checked, Cablecast won't actually send the generated events to the devices. This is useful as a troubleshooting tool.

Go : Initiates the process of *Sending Autopilot*.

To Send Autopilot:

- Step 1:** Set the **to** date and time: Cablecast will only generate events from the current time until the date and time that you specify here.
- Step 2:** Check the **use Sticky Devices** checkbox.
- Step 3:** Ensure that **Send events to hardware** is checked.
- Step 4:** Click **Go**.

8.2 Event Table

The event table screen allows you to see the events that were generated the last time *Autopilot was sent*. This screen is useful as a troubleshooting tool.

This screen shows the following information:

Events for Channel : Allows you to select which channel's events you would like to see.

Date and Time : The time at which this event is to be executed. Click to open the event details.

The screenshot shows the nighthawk-ng web interface. The header is green with the nighthawk-ng logo and a search bar. The sidebar on the left contains icons for home, search, settings, and other functions. The main content area displays a table of events. The first event is highlighted in green.

Date and Time	Show ID	Status	Device	Action	Output
2020-05-15 21:37:46	4-1	OK	OK	OK	OK
2020-05-15 21:38:00	4-1	OK	OK	OK	OK
2020-05-15 21:38:14	4-1	OK	OK	OK	OK
2020-05-15 21:38:28	4-1	OK	OK	OK	OK
2020-05-15 21:38:42	4-1	OK	OK	OK	OK
2020-05-15 21:38:56	4-1	OK	OK	OK	OK
2020-05-15 21:39:10	4-1	OK	OK	OK	OK
2020-05-15 21:39:24	4-1	OK	OK	OK	OK
2020-05-15 21:39:38	4-1	OK	OK	OK	OK
2020-05-15 21:39:52	4-1	OK	OK	OK	OK
2020-05-15 21:40:06	4-1	OK	OK	OK	OK
2020-05-15 21:40:20	4-1	OK	OK	OK	OK
2020-05-15 21:40:34	4-1	OK	OK	OK	OK
2020-05-15 21:40:48	4-1	OK	OK	OK	OK
2020-05-15 21:41:02	4-1	OK	OK	OK	OK
2020-05-15 21:41:16	4-1	OK	OK	OK	OK
2020-05-15 21:41:30	4-1	OK	OK	OK	OK
2020-05-15 21:41:44	4-1	OK	OK	OK	OK
2020-05-15 21:41:58	4-1	OK	OK	OK	OK
2020-05-15 21:42:12	4-1	OK	OK	OK	OK
2020-05-15 21:42:26	4-1	OK	OK	OK	OK
2020-05-15 21:42:40	4-1	OK	OK	OK	OK
2020-05-15 21:42:54	4-1	OK	OK	OK	OK
2020-05-15 21:43:08	4-1	OK	OK	OK	OK
2020-05-15 21:43:22	4-1	OK	OK	OK	OK
2020-05-15 21:43:36	4-1	OK	OK	OK	OK
2020-05-15 21:43:50	4-1	OK	OK	OK	OK
2020-05-15 21:44:04	4-1	OK	OK	OK	OK
2020-05-15 21:44:18	4-1	OK	OK	OK	OK
2020-05-15 21:44:32	4-1	OK	OK	OK	OK
2020-05-15 21:44:46	4-1	OK	OK	OK	OK
2020-05-15 21:45:00	4-1	OK	OK	OK	OK
2020-05-15 21:45:14	4-1	OK	OK	OK	OK
2020-05-15 21:45:28	4-1	OK	OK	OK	OK
2020-05-15 21:45:42	4-1	OK	OK	OK	OK
2020-05-15 21:45:56	4-1	OK	OK	OK	OK
2020-05-15 21:46:10	4-1	OK	OK	OK	OK
2020-05-15 21:46:24	4-1	OK	OK	OK	OK
2020-05-15 21:46:38	4-1	OK	OK	OK	OK
2020-05-15 21:46:52	4-1	OK	OK	OK	OK
2020-05-15 21:47:06	4-1	OK	OK	OK	OK
2020-05-15 21:47:20	4-1	OK	OK	OK	OK
2020-05-15 21:47:34	4-1	OK	OK	OK	OK
2020-05-15 21:47:48	4-1	OK	OK	OK	OK
2020-05-15 21:48:02	4-1	OK	OK	OK	OK
2020-05-15 21:48:16	4-1	OK	OK	OK	OK
2020-05-15 21:48:30	4-1	OK	OK	OK	OK
2020-05-15 21:48:44	4-1	OK	OK	OK	OK
2020-05-15 21:48:58	4-1	OK	OK	OK	OK
2020-05-15 21:49:12	4-1	OK	OK	OK	OK
2020-05-15 21:49:26	4-1	OK	OK	OK	OK
2020-05-15 21:49:40	4-1	OK	OK	OK	OK
2020-05-15 21:49:54	4-1	OK	OK	OK	OK
2020-05-15 21:50:08	4-1	OK	OK	OK	OK
2020-05-15 21:50:22	4-1	OK	OK	OK	OK
2020-05-15 21:50:36	4-1	OK	OK	OK	OK
2020-05-15 21:5					

Input : For Take Events, this column displays the input of the routing switcher that will be used.

Slot : Displays the slot number of the given device that will be used. Many devices are single-slot and will just show “1”.

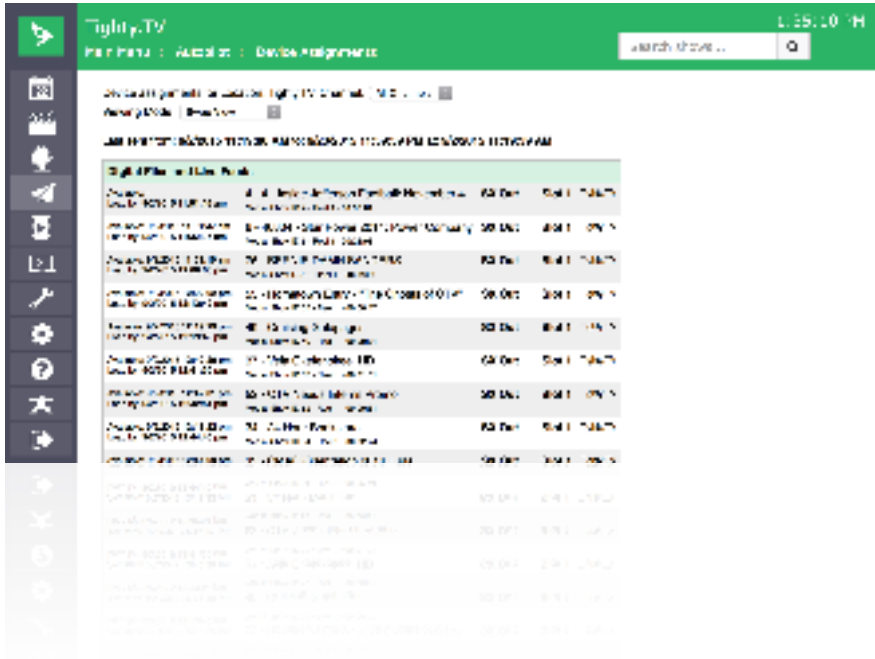
Output : For take Events, this column displays the name of the router output that will be used.

The Device Assignments screen is used to manually load physical media into the correct playback device. If you are using VTRs or DVD players, you will need to ensure that the correct media is loaded where Cablecast expects it to be loaded before air time.

Channel : Allows you to filter the list to show events only for a single channel or all channels.

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FIGURE 8.4: The Device Assignments screen.



8.4 Force Matrix

The Force Matrix screen allows you to manually control your routing switcher as well as your playback and record devices. You can also use this screen to determine what is currently happening in real-time.

FIGURE 8.5: The Force Matrix screen.



Each row in the Force Matrix screen represents a single device in your system.

FIGURE 8.6: A single device's row in the Force Matrix screen.



Each row contains the following controls:

Device Name and Status : The first column shows the user-defined name of each device as well as the status of the device.

Action Button : Clicking this button will open the Force Matrix action modal with the selected device pre-populated.

Crosspoint Buttons : One column of buttons will be shown for each router output that you have defined. A green button indicates the currently active crosspoint. Clicking a grey button will open the Force Matrix action modal with a switch pre-populated with the selected crosspoint.

8.4.1 Action Modal

There are 3 ways to open the action modal.

1. Clicking the **Take Action** button in the upper left.
2. Clicking a device's **Action** button.
3. Clicking a crosspoint.

The **Action Modal** can be used to send a command to a device, have the router perform a switch, or both. Once the modal is open fill out the form and click **Take** to perform the action. The fields of the modal are described below.

Device : The device the command will be sent to.

Action : The command to send to the device if device supports actions.

File Key : The Show ID and Reel number combination to play if controlling a video server. For example, to play show 10 reel 1 enter **10-1**.

Network Stream : The network stream to play or record, if controlling a compatible video server. Optionally, a new network stream can be created.

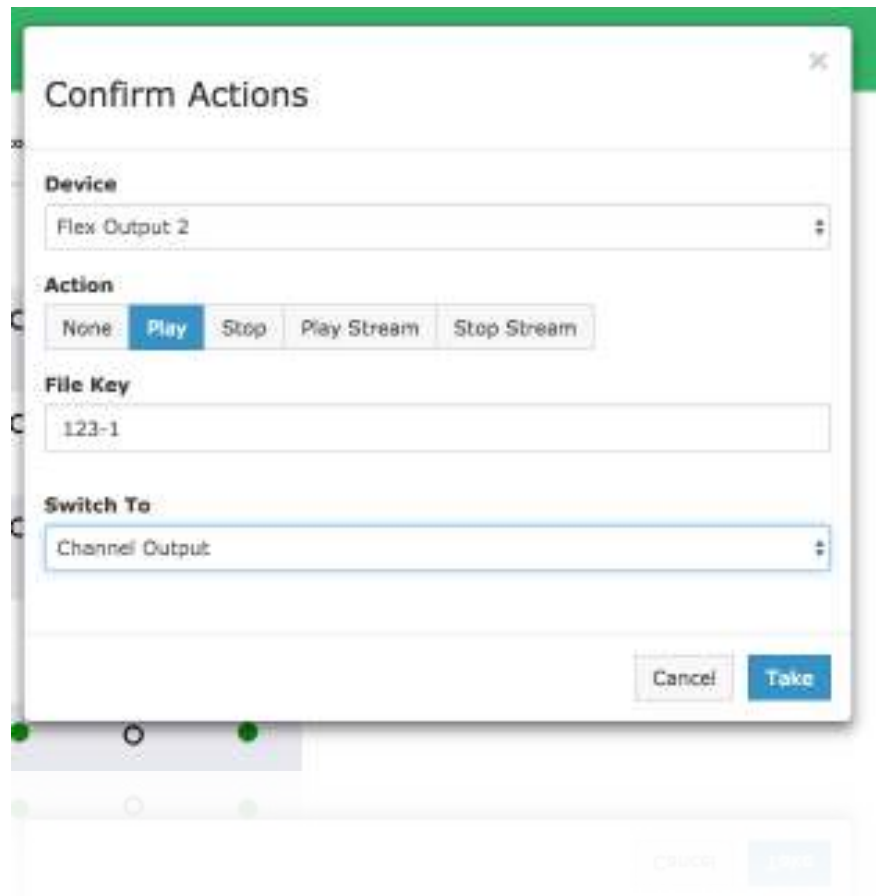
Output : The destination output for a switch command. Leave blank to perform action only.

8.4.2 Override and Resume

Each router output that is defined as a channel will offer the option to *Override and Resume* automation.

Clicking the channel's name will place the specified channel into *Automation Override mode*. While in this mode, the channel's router output will skip any scheduled *Take* events.

FIGURE 8.7: The Action Modal



This is an extremely useful tool when you are airing a live meeting that might run longer than expected. Once the meeting starts, you can press **Override** and Cablecast won't switch away from the meeting even at it's scheduled end time. Once the meeting is finished, click **Resume** and Cablecast will restore normal automation to the channel.

While the channel is overridden, the playback schedule will continue to operate normally but the routing switcher won't switch to new sources. In this way, when the live event is finished, you can seamlessly switch back to the originally scheduled programming already in progress.

Clicking the channel's name again for a channel that is currently in *Automation Override mode* will show the following screen:

Execute Last Switch : Tick this box if you would like the routing switcher to automatically switch to the programming that was originally scheduled to be on-air now.

Enable Crawl : Tick this box to enable the crawl defined in the **Crawl Text** field.

Crawl Text : Set the text that should be displayed if **En-**

FIGURE 8.8: A channel in Automation Override mode.

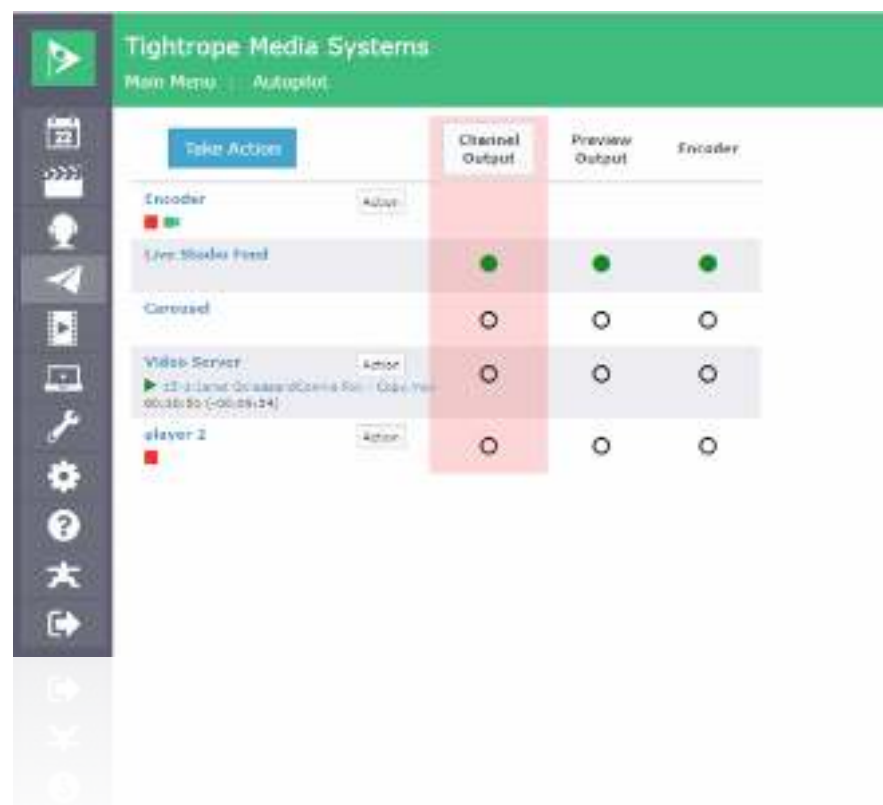
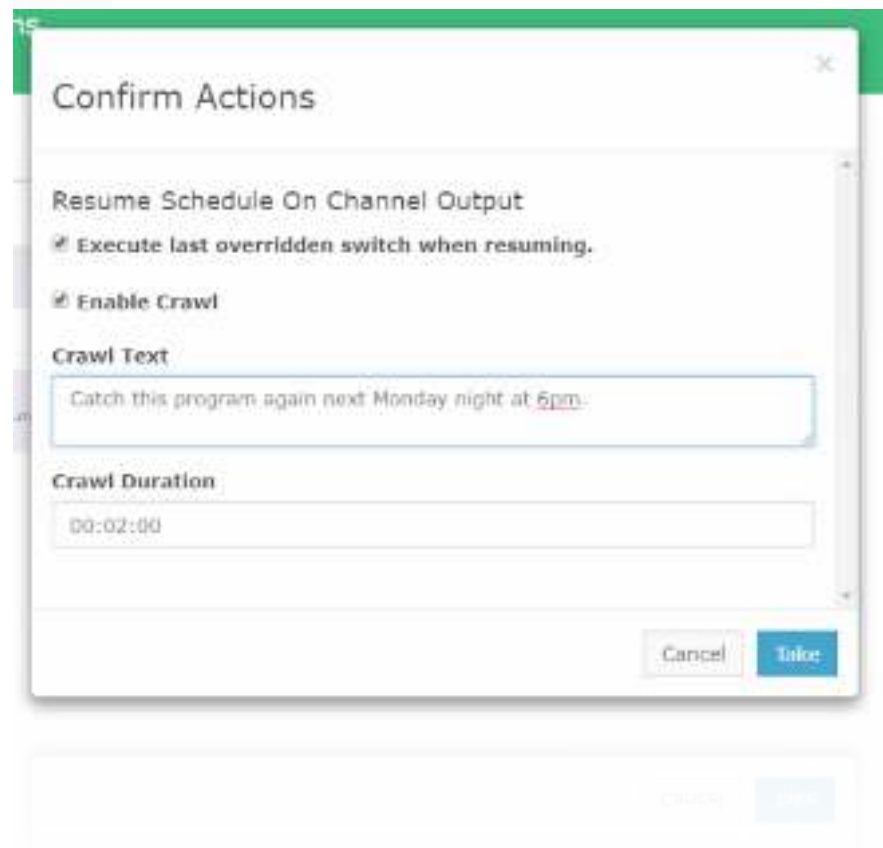


FIGURE 8.9: The Resume options screen.



able **Crawl** is ticked.

Crawl Duration : Set the length of time for which you would like to run the crawl defined in **Crawl Text**. The default is “00:02:00” (two minutes).

8.4.3 Simple Mode

On large systems with lots of devices and outputs, the amount of crosspoints can be cumbersome to work with. Use simple mode to display the devices and outputs side by side. All of the same status information and control options are available. To activate simple mode, click on the the toggle in the lower right of the page as seen in [8.10](#)

FIGURE 8.10: The mode toggle allows switch between matrix and simple modes.

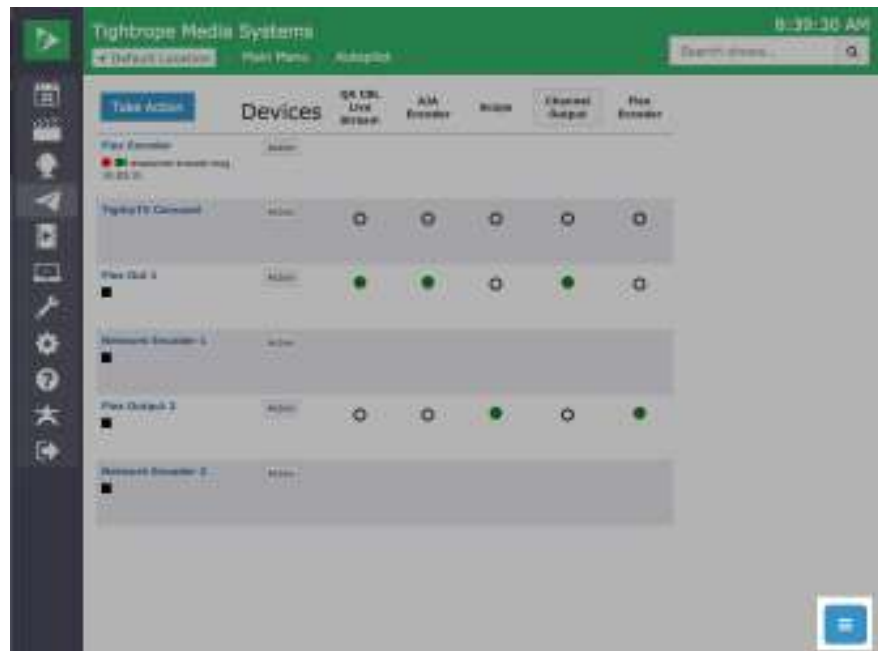
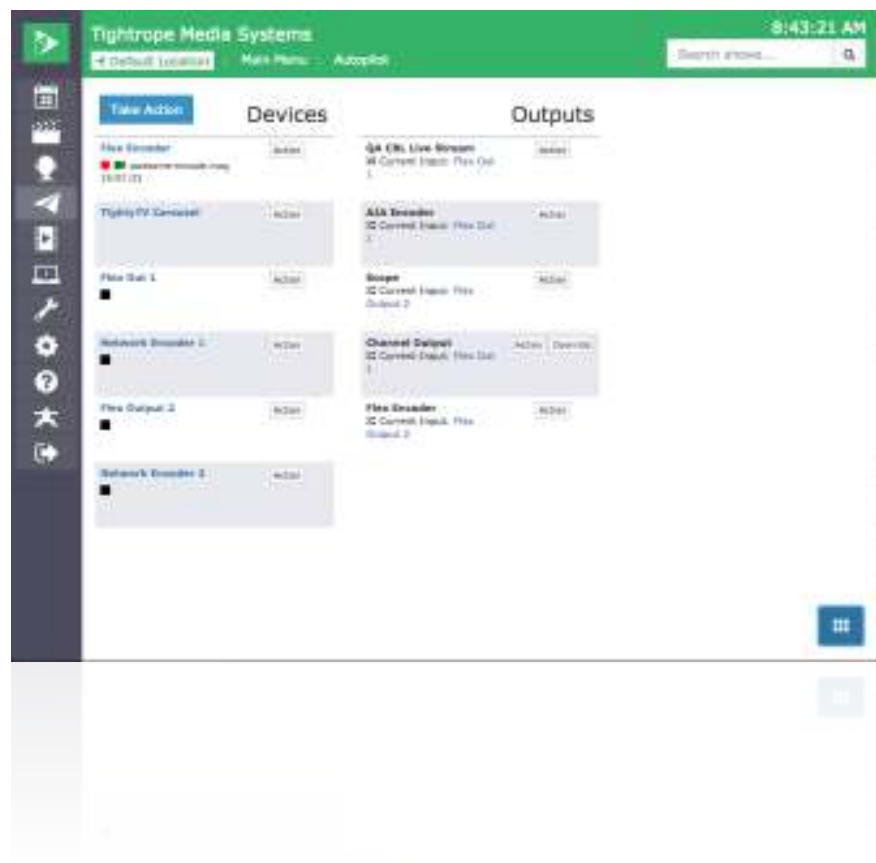


FIGURE 8.11: In simple mode the Force Matrix displays the devices and outputs in a list.



9 Digital File Managment

A *Digital File* represents a file located on a video server that can be associated with a *Show Reel* and used to play that part of a Show. File are associated with reels by their name. Files should be named to begin with *<ShowID>-<Reel Number>*. For example, a file named *123-5-city-meeting.mpg* would be linked to ShowID 123, Reel Number 5. Cablecast will *index* digital files in order to ensure they are compatible and play without errors.



You can leave out the Reel number if your Show has only one reel. For example, a file for ShowID 10 with only one Reel could be named *10-my-show.mpg*.

FIGURE 9.1: The Digital Files screen.

Item	File Name	Size	Format
1	101-101-101.mpg	10.1 MB	MPG
2	101-101-101.mpg	10.1 MB	MPG
3	101-101-101.mpg	10.1 MB	MPG
4	101-101-101.mpg	10.1 MB	MPG
5	101-101-101.mpg	10.1 MB	MPG
6	101-101-101.mpg	10.1 MB	MPG
7	101-101-101.mpg	10.1 MB	MPG
8	101-101-101.mpg	10.1 MB	MPG
9	101-101-101.mpg	10.1 MB	MPG
10	101-101-101.mpg	10.1 MB	MPG
11	101-101-101.mpg	10.1 MB	MPG
12	101-101-101.mpg	10.1 MB	MPG
13	101-101-101.mpg	10.1 MB	MPG
14	101-101-101.mpg	10.1 MB	MPG
15	101-101-101.mpg	10.1 MB	MPG
16	101-101-101.mpg	10.1 MB	MPG
17	101-101-101.mpg	10.1 MB	MPG
18	101-101-101.mpg	10.1 MB	MPG
19	101-101-101.mpg	10.1 MB	MPG
20	101-101-101.mpg	10.1 MB	MPG

Details for Item 101-101-101.mpg:

File Name	Size	Format
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG
101-101-101.mpg	10.1 MB	MPG

9.1 Filter Tabs

Cablecast categorizes digital files into one of the following four categories.

Orphaned : Files that are not associated with a Show Record

Processing : Files that are currently being *indexed*. The compatibility of these files is not yet known. Files typically take one to two minutes to index once they are finished being written or copied to the video server.

Valid : Files that have been completely indexed and are deemed compatible with the video server.

Invalid : Files that have been completely indexed and are deemed *incompatible* with the video server. Cablecast will not allow these files to be scheduled and will return an error when sending Autopilot.

The tabs at the top of the digital files screen, shown in Figure 9.1 allow filtering the digital files by any of the above categories. In addition the **All** tab allows displaying all digital files available to the system.

9.2 Search

The **Search all digital files** input allows for searching for specific words from the **FileName** or Show **Title**. When performing a digital file search the **Filter Tabs** will switch to **All**. Clicking on any of the other tabs will filter the search results to just digital files in that state. Click **Clear** to reset the search filter.

9.3 File Details

Clicking on any digital file will display the details for that file. The details of a file, shown in Figure 9.2 will display metadata about the file. A valid digital file will have a green header. An invalid digital file, shown in Figure 9.3 will have a red header. Additionally an invalid file will also display a description of why the file was marked as invalid.

Above the details of a digital file are several buttons used to perform actions on the digital files. Each of these actions is discussed below.

Reindex : When a file is reindexed the video server will re-run its indexing and compatibility checks. This should be done if a file is believed to be incorrectly marked as invalid. This may happen because the file was indexed before it was fully copied to the video server.

New Show : Clicking **New Show** will create a new Show Record with the **Title** being set to the name of the file that is ready to schedule. Additionally the digital file will be renamed so it is correctly associated with the newly created show.



New Show is only available for **Orphaned** digital files.

Rename : Clicking **Rename** will allow for renaming the digital file. This is useful if you want to associate a digital file to an existing Show record.

Delete : Clicking **Delete** will permanently delete the digital file from the video server.

FIGURE 9.2: A valid digital file.

21-1 PSA: Global Warming

Reindex

Rename

Delete

Server: SX

File Name	21-1-PSA Global warming.mpg		
Path	E:\21-1-PSA Global warming.mpg		
Length	00:00:16	File Size	29 MB
Codec	MPEG2	Frame Rate	29.97
Frame Size	720x480	Aspect Ratio	4:3
Bit Rate	14.31 Mb/sec	Sample Rate	48 kHz
Created	Thursday, January 1, 1970 12:00:00 AM		
Modified	Wednesday, February 19, 2014 9:59:00 PM		



This operation cannot be undone.

FIGURE 9.3: An invalid digital file.

6466-1 Ms Divine's Comedy - show 5 AptInspector

Reindex

Rename

Delete

Server: SX2

This video does not have a compatible audio track.

File Name	6466-1-Ms Divine's Comedy - show 5 AptInspector.mpg		
Path	E:\raid_transfer\6466-1-Ms Divine's Comedy - show 5 AptInspector.mpg		
Length	00:27:55	File Size	1 GB
Codec	MPEG2	Frame Rate	29.97
Frame Size	720x480	Aspect Ratio	4:3
Bit Rate	9.19 Mb/sec	Sample Rate	N/A
Created	Thursday, December 18, 2014 8:09:45 AM		
Modified	Thursday, December 18, 2014 8:10:54 AM		

10 Internet Video



Internet Video menu items are only available if your Cablecast system is licensed for the appropriate products.



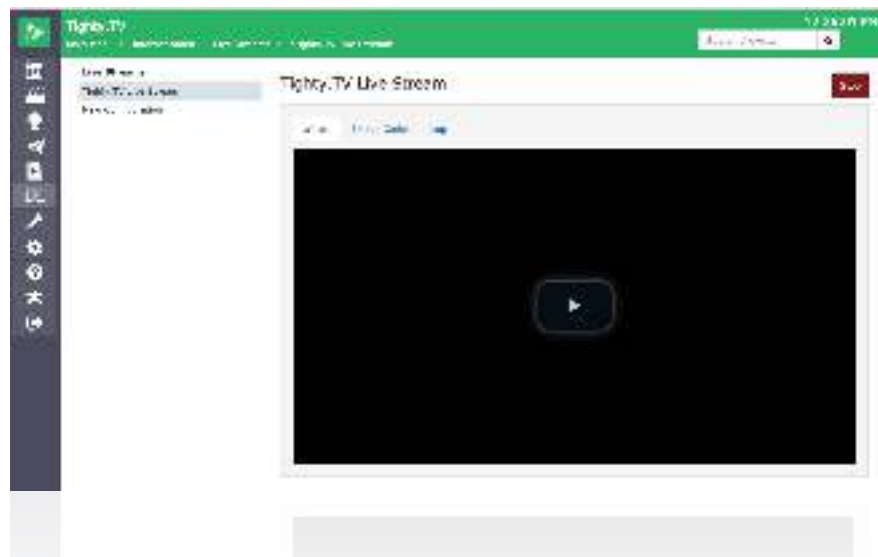
VODs respect the **In** and **Length** fields set in a [Show's Reels](#), no need to trim the digital file. Further your Cablecast VOD server can combine all of a Show's Reels into a single VOD.

The **Internet Video** screen contains the [Live Streaming](#) and [VOD](#) screens both described in the following sections.

10.1 Live Streaming

A **Live Stream** represents a single channel that can be viewed in real time using the internet. The **Live Streaming** screen within **Internet Video** can be used for viewing the Live Stream, obtaining embed codes, and starting / stopping the stream. For configuring Live Streams see [Live Streaming](#) section in the [Settings](#) chapter.

FIGURE 10.1: The Live Streams screen.



Clicking on the name of a stream in the **Live Streams** list on the left side of the screen will display that stream's details on the right side of the screen. The stream details has three tabs available, each of which is described below.

Watch : Will load the Live Stream Player. Click the Play button in the video player to watch the stream.

Embed : Displays the embed code that can be copied and pasted to embed the Live Stream Player in another website.

Log : Displays logs about when the stream has been started and stopped, and by what user.

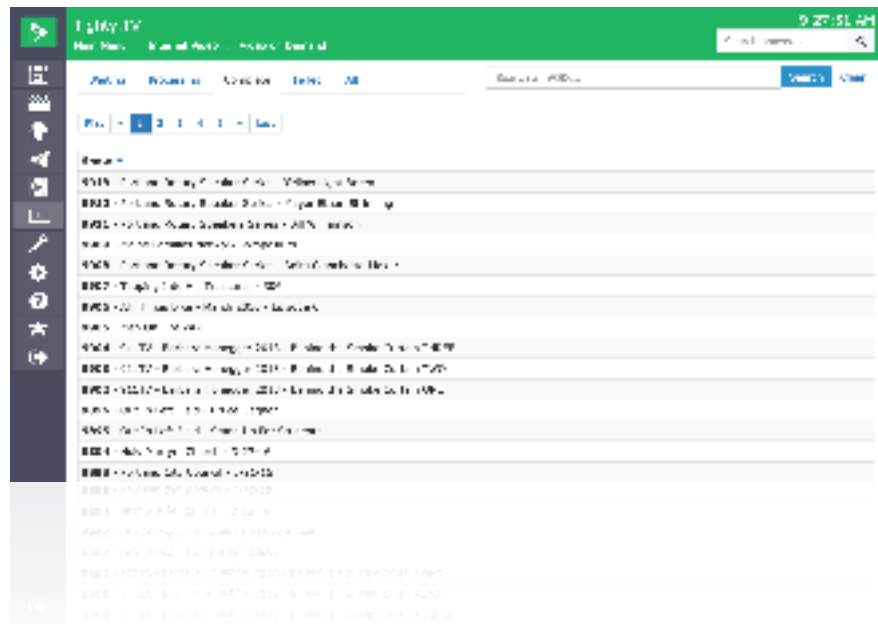
10.1.1 Starting and Stopping

As seen in Figure 10.1, a button is located in the top right of a Live Streams detail screen that can be used to **Start** / **Stop** the stream depending on its current state. The button will be red and read **Stop** when the Live Stream is currently streaming. The button will be blue and read **Start** when the Live Stream is currently stopped. Clicking **Start** / **Stop** will change the state of the stream.

10.2 Video On Demand

A **Video On Demand** represents a single Show that can be viewed at any time using the internet. The **VODs** screen within **Internet Video** can be used for viewing VODs, obtaining embed codes, monitoring progress, and queuing for re-transcoding. For configuring Video On Demand see [Video On Demand](#) section in the [Settings](#) chapter.

FIGURE 10.2: The Video On Demand screen.



10.2.1 Filtering Tabs

Cablecast organizes VODs into one of the following four categories.

Waiting : VODs that cannot be transcoded because there are missing files, or the Show Reels are not properly timed. User action is required for these VODs to be transcoded.

Processing : VODs that are currently in some stage of the VOD process. These VODs will eventually enter the **Complete** tab once finished.

Complete : Finished VODs that are available for viewing.

Failed : VODs that have failed a stage of the VOD process.

The tabs at the top of the VODs screen, shown in Figure 10.2 allow filtering the VODs by any of the above categories. In addition the **All** tab allows displaying all VODs available on the system.

10.2.2 Search

The **Search all VODs** input allows for searching for specific words from the Show **Title** of the associated VOD. When performing a VODs search the **Filter Tabs** will switch to **All**. Clicking on any of the other tabs will filter the search results to just VODs in that state. Click **Clear** to reset the search filter.

10.2.3 Details

Clicking on any VOD will display the details for that VOD. What is displayed in the details section will depend on the state of the VOD. The information displayed is described below for different VOD states.

Waiting : The VOD details screen will display a **Reel Status** tab showing the status of each Reel that is preventing the VOD from being transcoded.

Processing : The VOD details screen will display the progress of the current transcode step.

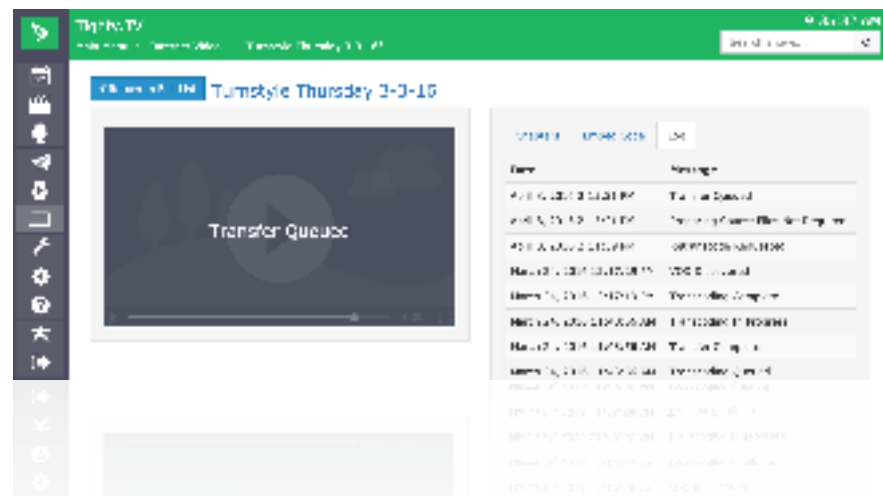
Completed : The VOD details screen will allow watching, assigning chapters, obtaining embed codes, and viewing the VOD logs. For more information see [Completed VOD Details](#).

Failed : The VOD details screen will show the VOD logs.

Details

A completed VOD, shown in Figure 10.4, has three tabs which are described below.

FIGURE 10.3: A processing VOD.



Chapters : Displays the embedded chapter interface. You can “Edit”, “Delete”, and get a “Link” to each created chapter. Click the “Add Chapter” button to add a new chapter to the VOD. From the window that appears, you can add a “Title” for the chapter, “Body” with chapter details, and the “Position” of the start of the chapter.

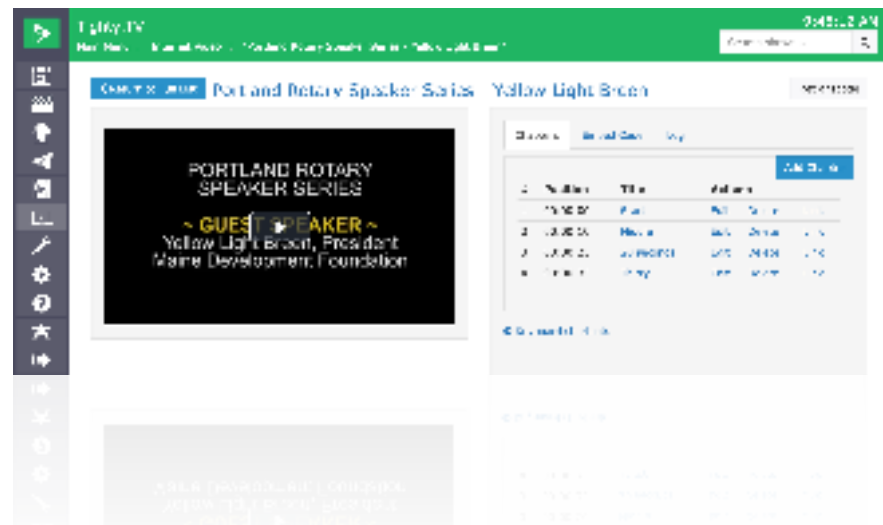


The “Add Chapter” button notes the time that you’re at in the VOD file if you’re watching it, or you can enter it manually.

Embed Code : Displays the embed codes that can be copied and pasted into other websites to embed the VOD.

Log : Displays the VOD logs that show all the state transactions during VOD processing.

FIGURE 10.4: A completed VOD.



Retranscode & Retry

Depending on the state of the VOD, a button might be displayed in the upper left section of the VOD details area. These buttons are described below.

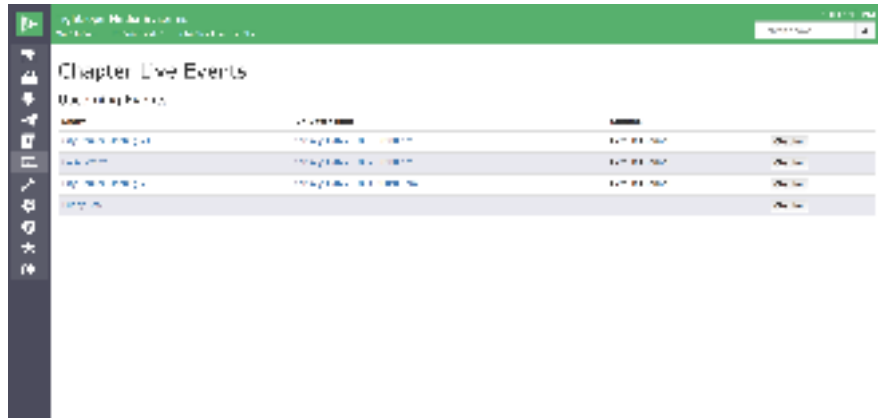
Retranscode : Displayed on **Completed** VODs. Clicking queues the VOD for re-transcoding. This is especially useful if the original source material of the VOD has changed.

Retry : Displayed on **Failed** VODs. Clicking queues the VOD for re-transcoding.

10.3 VOD Live Chaptering

The VOD Live Chaptering interface aids chaptering of live events through agenda preparation and real-time chapter editing features.

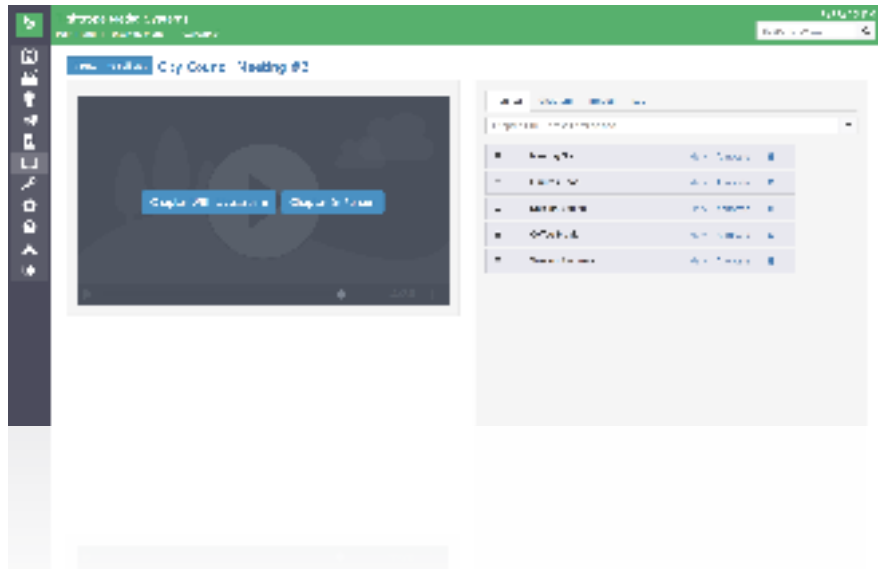
FIGURE 10.5: The VOD live chaptering index screen.



10.3.1 Agenda

The agenda feature enables quick creation of chapters and a convenient way to mark chapter times during a live event.

FIGURE 10.6: The agenda tab.



Chapter With Livestream : Displays the livestream. If the VOD has a scheduled show time, the chaptering clock will sync with the show's start time. Otherwise, the chaptering clock will start immediately.

Chapter In Person : Opens the live chaptering interface without starting the livestream. If the VOD has a scheduled show time, the chaptering clock will sync with the show's start time. Otherwise, the chaptering clock will start immediately.

End Chaptering : Ends the chaptering session and stops the clock.

New Chapter Field : Via the input field, users can quickly create new chapters without using the mouse. Chapters on the agenda list do not have a time until marked during the live event.

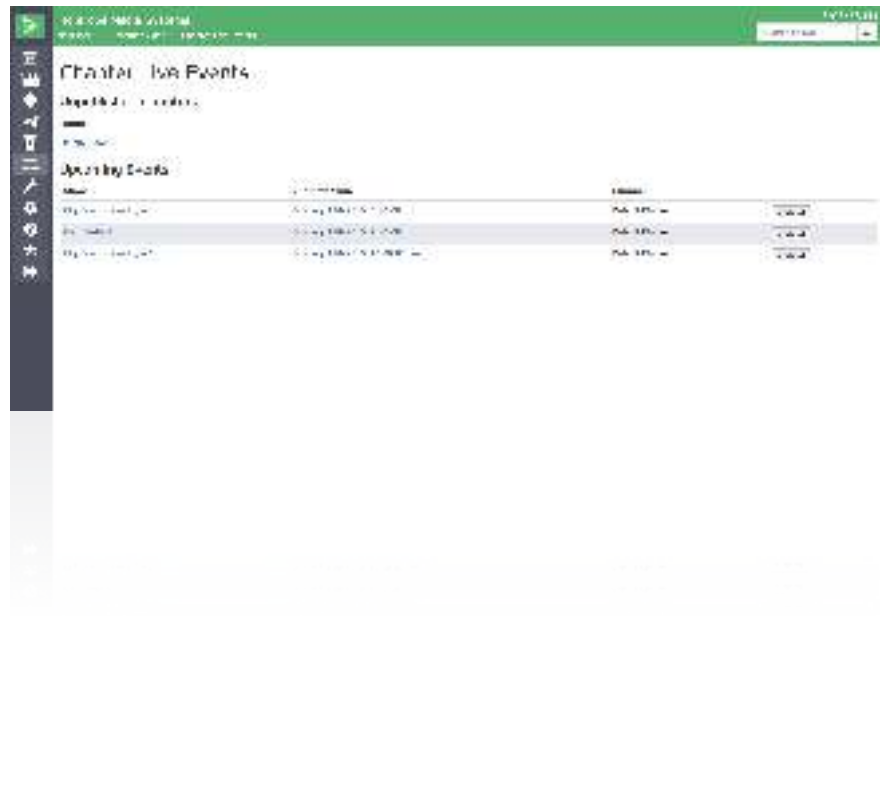
Mark : Disabled unless the clock is running. Click to set the chapter's position to the current clock time.

Annotate : Write operator notes for later review.

10.3.2 Chapter Drafts

Drafts allow chapters to be reviewed and edited before being published to the public site. Any VODs with unpublished chapters will be visible in a list on the index screen.

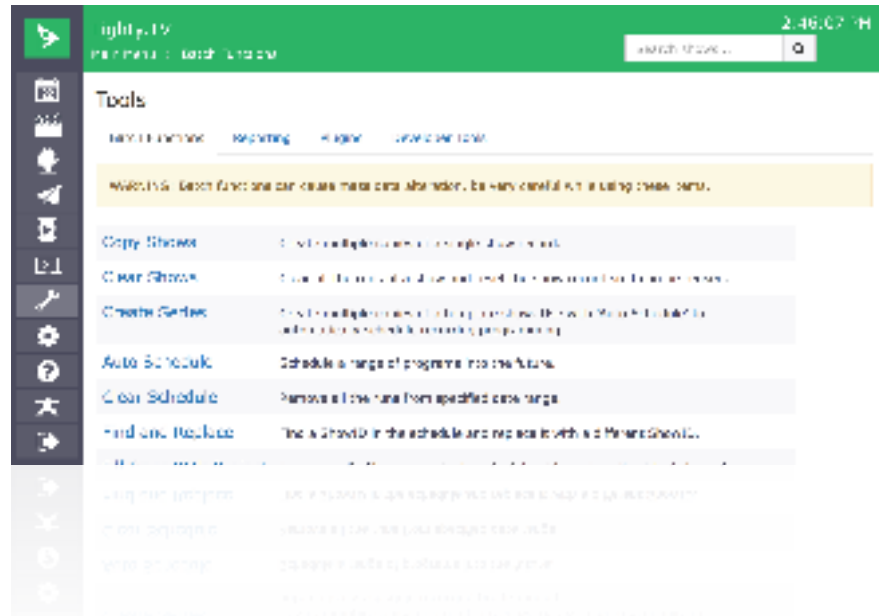
FIGURE 10.7: VOD with unpublished chapters.



11 Tools

The Tools menu consists of four areas: Batch Functions, Reporting, Plugins and Developer Tools.

FIGURE 11.1: The Tools menu.



11.1 Batch Functions

Batch Functions allow you to perform common tasks on multiple items at a time. The Batch Functions screen can be seen in [11.1](#).



Be careful with Batch Functions! Mistakes with Batch Functions can cause major data loss which can be difficult to repair.

Copy Shows : Creates multiple copies of a single Show.

Clear Shows : Clears all Shows between the specified ShowIDs.

Create Series : Creates multiple copies of a single Show. This is a more advanced version of the **Copy Shows** function.

Auto Schedule : Automatically schedules a series of Shows based on simple rules. This can be effectively used with the **Create Series** function in order to create and schedule a series of Shows.

Clear Schedule : Removes all Schedule runs from the specified **Channel** between the specified dates.

Find and Replace : Replaces all instances of one Show with another Show on the specified **Channel** between the specified dates.

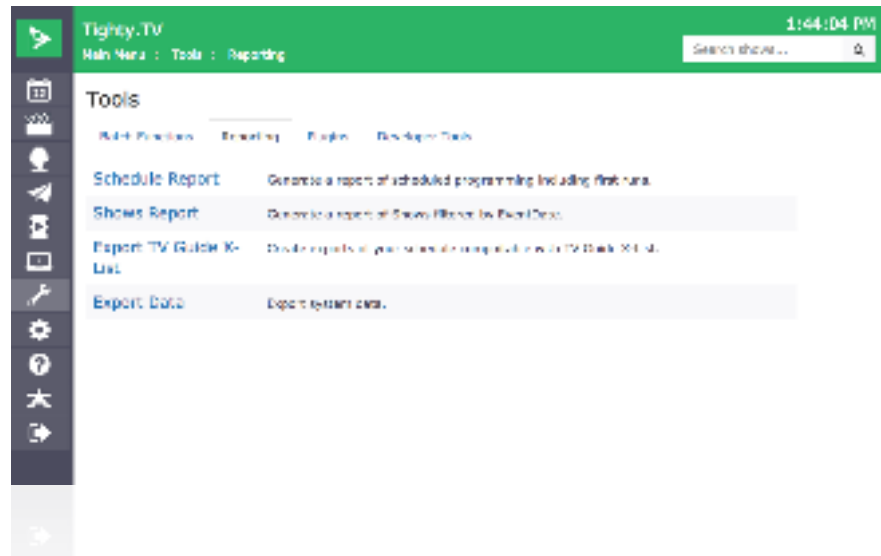
Fill gaps with Project : Uses Shows from the specified **Project** to fill in gaps in the Schedule on the specified channel.

Clear Filled Gaps : Removes runs from the Schedule that were originally created using the **Fill Gaps with Project** function.

11.2 Reporting

The reporting section allows you to generate reports and export data from Cablecast.

FIGURE 11.2: The Reporting menu.



The following reports are available:

Schedule Report : Generates a report based on all Shows that have aired between the selected dates.

Shows Report : Generates a report based on Shows with an **Event Date** that is between the selected dates.

Export TV Guide X-List : Creates a file that can be sent to TV Guide for inclusion in their guide data.

Export Data : Exports data from Cablecast so that it can be used in an external system. Various options are available.

11.2.1 Schedule Report

You can edit the criteria for your report from within the **Schedule Report** menu in the following ways:



A Schedule Report will only report Shows that aired between the selected dates. The Total Runs, on this report, use the same dates to calculate the total number of runs during that time range. A Show Report will only report Shows with Event Dates between the selected dates, and, unlike the Schedule Report, the total number of runs for each show are used to calculate the Total Runs.

Schedule Dates or Event Date : Select the start and end dates which the report will pull report information from.

Filters : Select the Locations or Channels that you would like the report to show.

Breakdowns : Preconfigured report breakdowns based on a variety of criteria. Enable the ones you would like to show in the report. Configure them further if you'd like.

View Report : Click this blue button at the bottom of the page to view the report for your selected criteria.

FIGURE 11.3: Customizing a Schedule Report.

The screenshot shows the Tighty.TV reporting interface. At the top, there's a green header with the Tighty.TV logo and a search bar. Below the header, there's a navigation bar with tabs for 'Schedule Dates', 'Filters', 'Breakdowns', and 'View Report'. The 'Schedule Dates' section has two date pickers for 'Start' and 'End' dates, both set to '06-01-2015'. The 'Filters' section has two dropdown menus for 'Locations' and 'Channels', both set to 'All'. The 'Breakdowns' section has a table with columns 'Enabled', 'Breakdown', and 'Configure'. The table lists several breakdowns: 'Rate', 'Min. Rate', 'Max. Rate', 'Churn', 'Gross', 'Profit', and 'ROI'. Each breakdown has a checkbox in the 'Enabled' column and a 'Configure' button in the 'Configure' column. The 'View Report' button is a prominent blue button at the bottom of the interface.

Within the report that was just generated, you'll see each breakdown that was selected. The following buttons are available on this report:

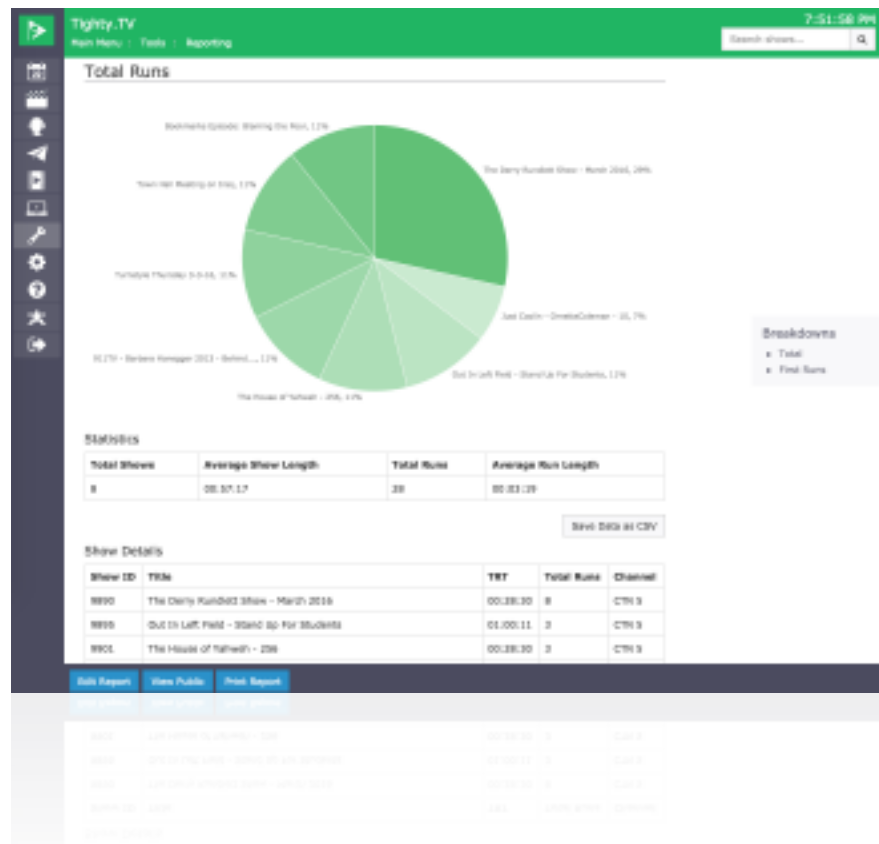
Edit Report : This brings you back to edit the report criteria.

View Public : Opens up a new tab showing your report. The web address in this tab is public and can be copied/pasted and shared with others who may wish to view the report.

Print Report : Opens up a print dialog within your web browser to send the report to your selected printer.

Breakdowns : Click on the name of a Breakdown on the right side to jump to that section of the report.

FIGURE 11.4: Viewing a Schedule Report.



11.3 Plugins

The Plugins screen shows various plugins that are loaded on your system.

11.3.1 Default Plugins

Cablecast includes many plugins by default. The source code for these plugins is included and you are free to modify them if you would like to modify their functionality.

The following plugins are included with Cablecast:

Dashboard Widget : Allows you to download and install a Mac OS Dashboard widget that shows the upcoming schedule for your channel.

Facil Import : Allows you to import data into Cablecast from Facil.

iCal Schedule : Allows you to generate an iCal compatible schedule of your channel's programming.

Label Printer : Allows you to print labels for physical media using the data from Cablecast. You can create your own layouts that fit your workflow.

Print Schedule : Allows you to print formatted schedules of your programming.

RSS Schedule : Generates an RSS feed of upcoming schedule information.

Web Schedule : Generates a web page of upcoming schedule information.

11.4 Developer Tools

The Developer Tools area includes the following options:

RESTful API : Links to the help for Cablecast's built-in RESTful API. The API can be used to integrate with external systems.

12 Settings

12.1 Location Settings

The **Location Settings** menu provides access to settings specific to the current *Location*. For more on multi-location setting systems see [Locations](#).



Remember to navigate to the correct Location as all the settings described below apply to the current Location. For information on changing the current Location see [Location Changer](#)

12.1.1 Shows Tab

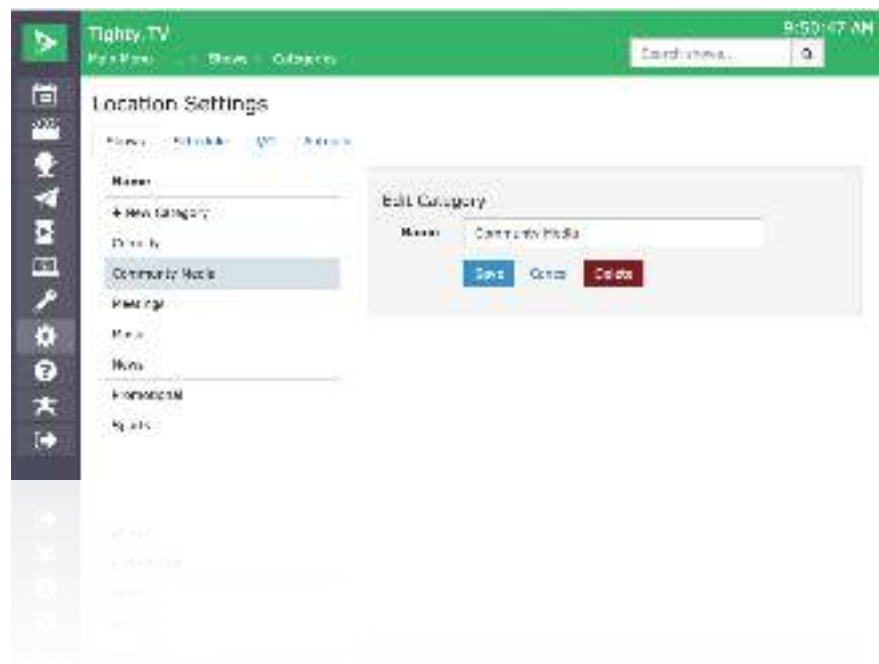
Settings in the **Shows Tab** are used to configure options available when creating and editing Shows using the [Show Record](#).

Categories

A **Category** is a **Name** used to group like Shows together. *Sports, Meetings, Arts & Entertainment* are all examples of categories.

From the **Categories** screen, shown in Figure 12.1, you can create a Category by clicking **+ New Category**. Clicking on any Category in the list will bring up the details for that Category where it can be changed or deleted.

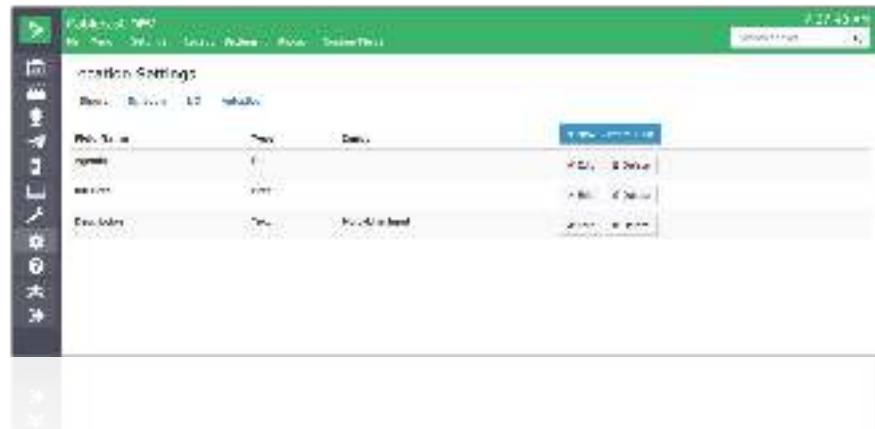
FIGURE 12.1: The Tools menu.



Custom Fields

Custom Fields allow you to store additional data as part of a *Show* record. These fields are searchable within Cablecast and are available for public use through the Public Site, Reporting, and Cablecast APIs.

FIGURE 12.2: The Custom Fields screen.



Cablecast supports unlimited Custom Fields. To create a new field click **+ New Custom Field**. When creating a new field you can choose from the following field types.

Text : Supports single line and multi-line text input. For example a show description could be stored in a text field.

List : Supports a pre-defined set of options. Use List fields to build drop down lists where you want to tightly control the format of the custom field value.

Date : Supports entering a calendar date. For example a production due date could be stored in a date field.

Number : Supports entering a number including decimals. Use the number fields to store values like production budget.

File : Allows attaching a file to a show record. Combined with [Public Site Show Fields](#) you can attach a pdf and have it viewable in the public site.

Producer : Allows associating a Cablecast Producer to a show record. Use producer fields to attach more than one producer to a show such as a Camera person.

To edit an existing field click **Edit** and to delete a field click **Delete**. When editing or creating a new field the following options are available:

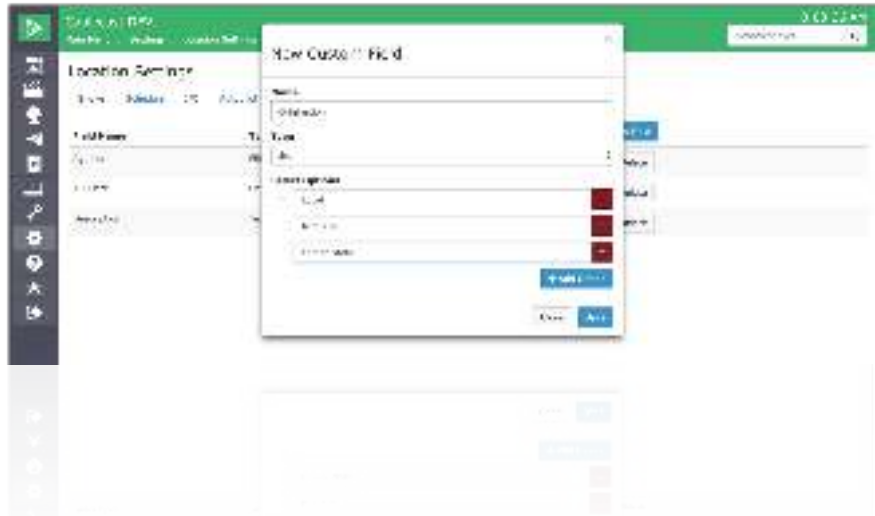
Name : A descriptive name for the field.

Select Options : Add and Remove options for the select list. Use the **+ Add Option** to add new options and the **-** button next to an option

to remove them. The order of the options can be controlled by dragging and dropping the three horizontal lines to the left of the option.

Input : Text options allow selecting the type of input to use in the Show record. **Multi-Line Input** is for long form text while **Single-Line Input** is for shorter pieces of text.

FIGURE 12.3: Creating a new Custom Field



Dispositions

Dispositions set the current state of a piece of physical media.

FIGURE 12.4: The Dispositions screen.



Each Disposition has the following options:

Name : A descriptive name for the disposition. This value will be shown throughout Cablecast.

Allow Assignment : This setting determines if Autopilot will permit media having the given disposition to be assigned for playback.

Example: For a disposition such as “Erased” you should make sure that **Allow Assignment** is not ticked since the Show can’t be played.

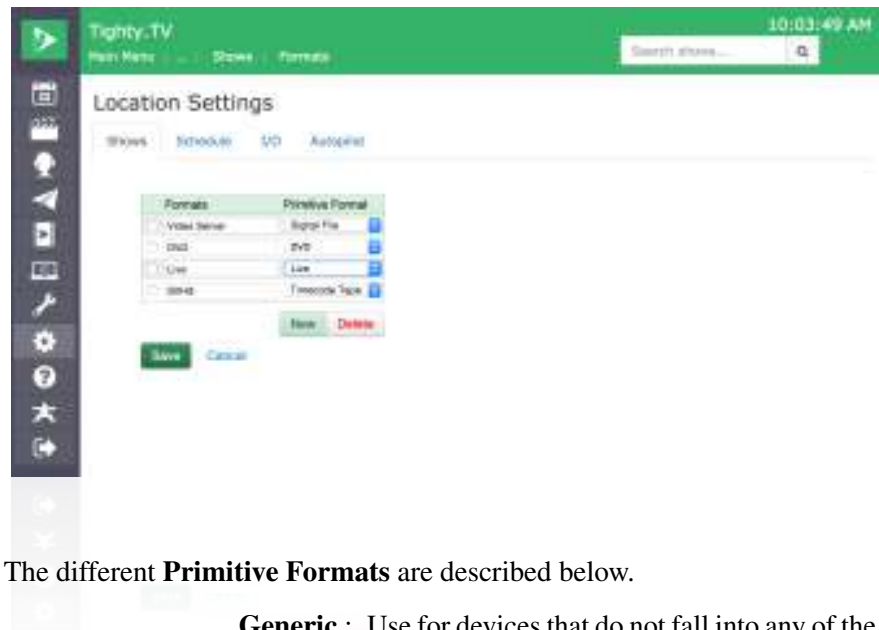
Formats

A **Format** is used to link **Media** to the devices that can play it. The Formats screen, shown in Figure 12.5, can be used to add, edit, and delete Formats. The fields of a Format are described below.

Formats : The name of the format. This value will be displayed in the dropdown when selecting a format for a **Media**.

Primitive Format : The type of device the Format is compatible with. The Primitive Format will affect what **Devices** can use the Format. For more information see [Primitive Formats](#).

FIGURE 12.5: The Formats screen.



The different **Primitive Formats** are described below.

Generic : Use for devices that do not fall into any of the below categories. Generic devices do not require any special configuration to operate. Tape devices that do not support Timecode are an example of Generic devices.

Timecode Tape : Use for tape devices that can be queued to a specified timecode.

DVD : Use for DVD players and changers.

Digital File : Use for video server devices that playback a piece of digital media requiring a filename such as the *SX Video Servers*.

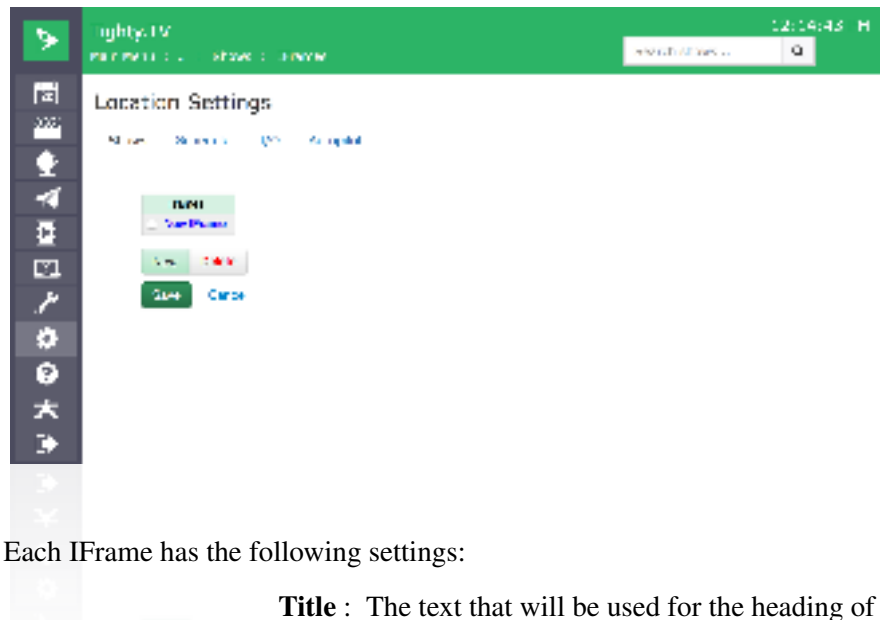
Live : Use for live inputs into the routing switcher such as studio and satellite feeds.

Network Stream : Use for live sources that are delivered as a network stream. These streams will be played or recorded by a compatible video server.

IFrames

The IFrames settings screen allows you to configure sections of the Show Record that will display external websites. This is useful for integrating with 3rd party tools.

FIGURE 12.6: The IFrames screen.



Each IFrame has the following settings:

Title : The text that will be used for the heading of the Show Record section.

IFrame Height : The desired height of the IFrame in pixels.

URL : The page that should be used as the IFrame.

The **URL** field can include replacement patterns that will be replaced with data about the specific Show that is loaded. Click **Show/Hide Legend** to see all available patterns.

Projects

Projects are groups of Shows, typically a series of programs.

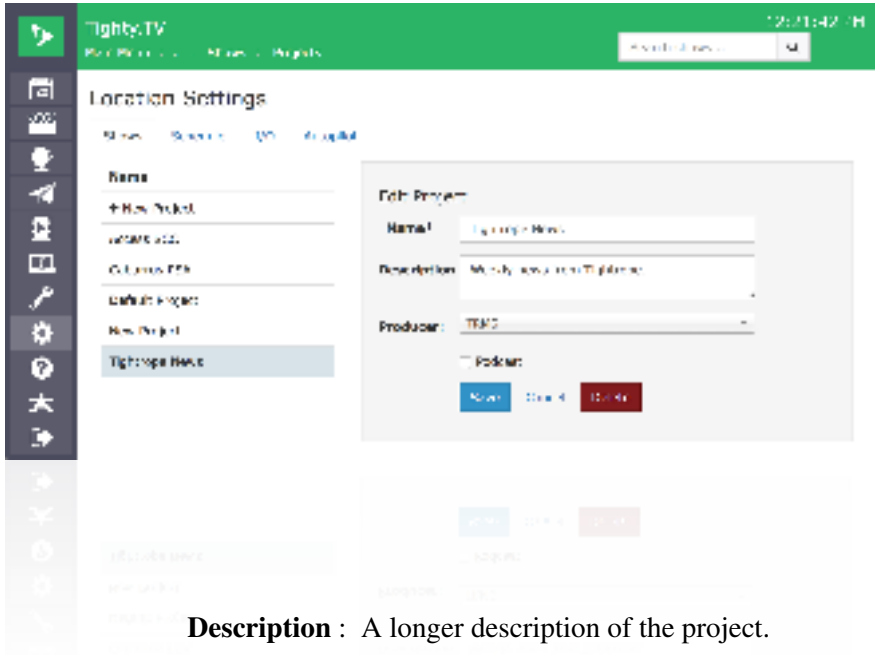
You can create a new Project by clicking **+ New Project**.

You can click to select an existing Project to edit or delete it.

Each Project includes the following options:

Name : A descriptive name for the Project.

FIGURE 12.7: The Projects screen.



Description : A longer description of the project.

Producer : The producer that normally creates episodes of this Project. You can still set the Producer of individual *Shows* within the Project.

Podcast : If this box is checked, Cablecast will automatically expose an iTunes compatible Podcast feed for all episodes of this Project.

12.1.2 Schedule Tab

The Schedule tab allows you to configure various Schedule related settings.

FIGURE 12.8: The Schedule settings screen.

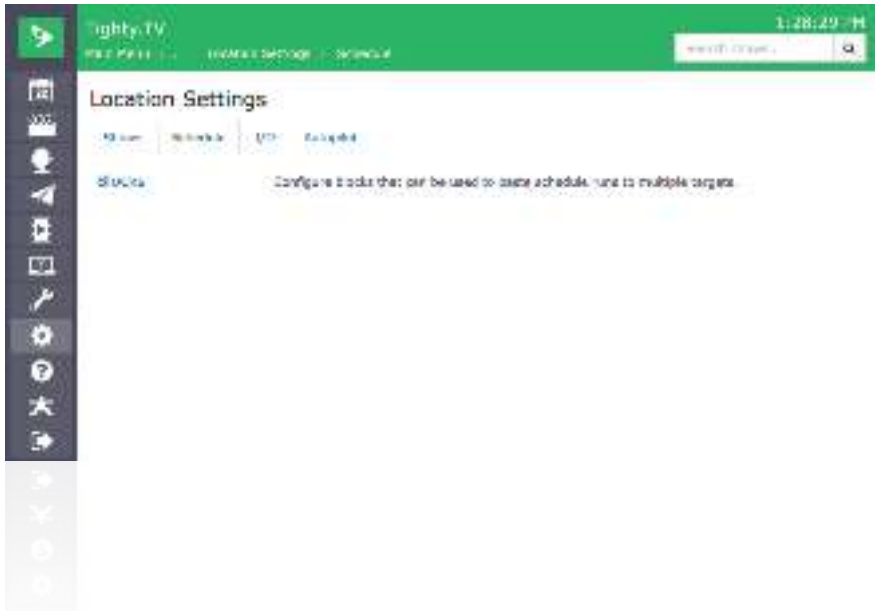
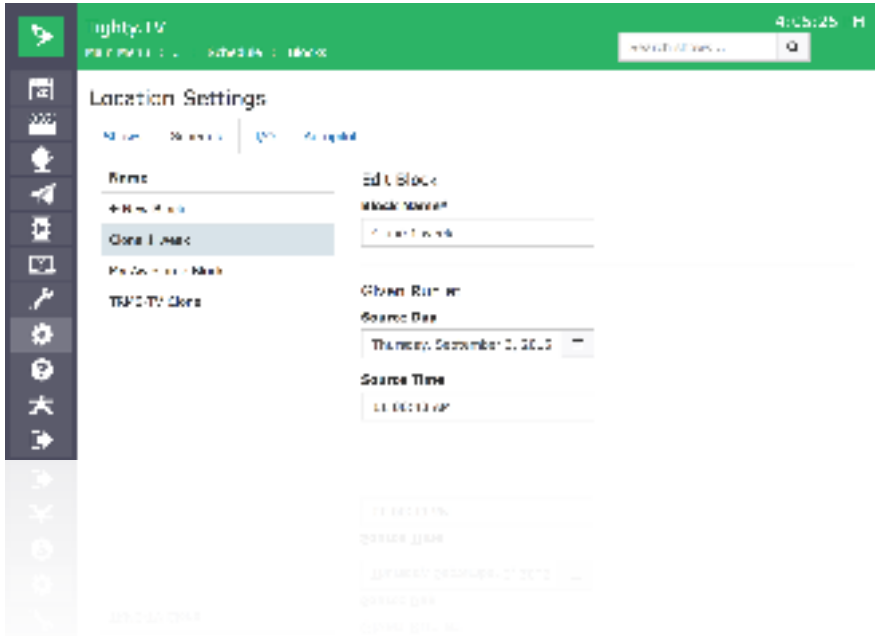


FIGURE 12.9: The Blocks screen.



Blocks

Blocks serve as a template for the Advanced Paste operation in the Schedule. See [Advanced Paste](#) for more information.

You can create a new block by clicking **+ New Block**. You can click an existing block in order to edit it.

Each block has the following settings:

Block Name : A descriptive name for the Block. This name will show up in the Advanced Paste screen.

Given Run at: Source Day : Sets the date that the rest of the fields will base their calculations on.

Given Run at: Source Time : Sets the time that the rest of the fields will base their calculations on.

Paste To : Add as many individual dates as needed. After a date has been added you may add times.

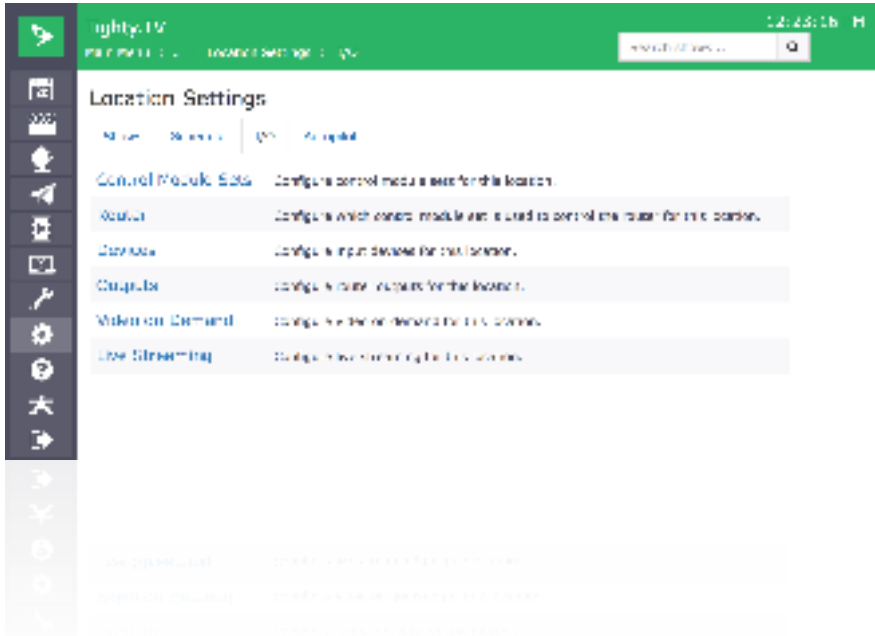


The dates used in this screen are only there to make the concept easier to understand. Under the hood advanced paste simply cares about the *offset* between two runs. So if you create a block that takes runs from Monday at 2pm and pastes them Tuesday at 2pm, all that really matters is that it's +24 hours between them.

12.1.3 I/O Tab

The I/O Tab allows you to configure your system's devices, router, inputs, outputs, video on demand and live streaming.

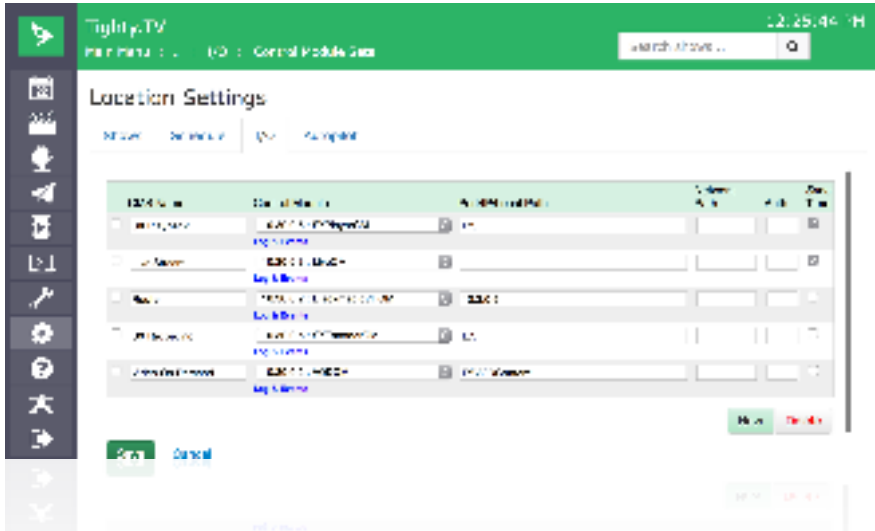
FIGURE 12.10: The IO Tab.



Control Module Sets

The Control Module Sets screen allows you to configure the *Control Modules* that will be used to control the various devices that comprise your system.

FIGURE 12.11: The Control Module Sets screen.



Each row in the table represents a Control Module that is running on a *Server*. Each Control Module controls a specific type of device.

Example: The “SX Playback” row in Figure 12.11 defines the Control Module that provides playback functionality on an SX series video server.

The following settings are available for each Control Module Set:

CMS Name : A descriptive name. This field is the label that will be shown throughout Cablecast.

Control Module : Select the Server / Control Module combina-

tion needed for your device. This list includes every Control Module that is running on each configured Server. See [Servers](#) for more information.

Log and Events : Click this link to open a pop-up window that allows you to view both the executed events log and the complete list of events that this Control Module received as part of the last Autopilot send.

Port/IP/Local Path : The purpose of this field depends on what Control Module is selected in the **Control Module** field.

Network Path : This field is only used by specific Control Modules.

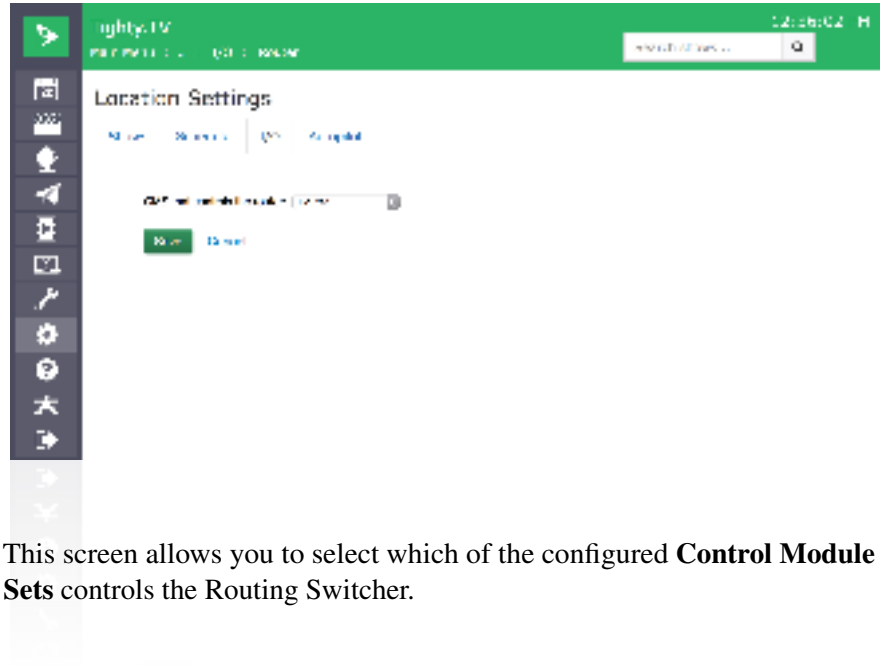
Auth : This field is only used by specific Control Modules.

Sync Time : If this box is ticked Cablecast will automatically set the system time on the controlled device.

For detailed information about configuring individual Control Modules see the *Cablecast Control Module Reference*.

Router

FIGURE 12.12: The Router screen.



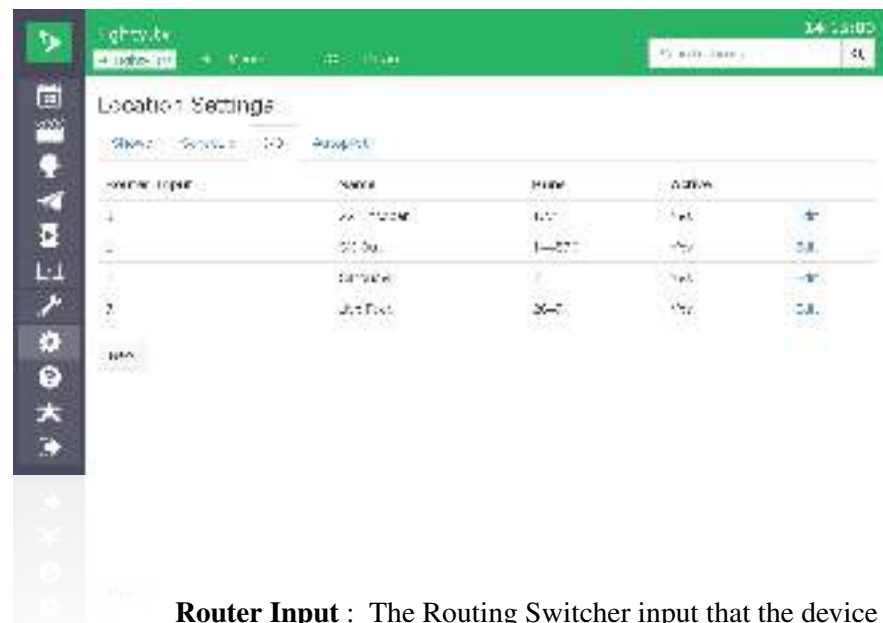
This screen allows you to select which of the configured **Control Module Sets** controls the Routing Switcher.

Devices

The Devices screen allows you to configure the Inputs of your Routing Switcher as well as the devices that are connected to them.

Each row in the table includes the following fields:

FIGURE 12.13: The Devices screen.



The screenshot shows the 'Location Settings' screen in the Lightbox TV interface. It features a table with columns for 'Router Input', 'Name', 'Phone', 'Active', and 'Runs'. There are four rows of device data. A sidebar on the left contains various icons, and a top bar shows the 'Lightbox TV' logo and a search bar.

Router Input	Name	Phone	Active	Runs
1	XX Hybrid	1-777	Yes	10
2	XX Bus	1-888	Yes	0.8
3	XX Bus	1-888	Yes	10
4	XX Bus	1-888	Yes	0.8

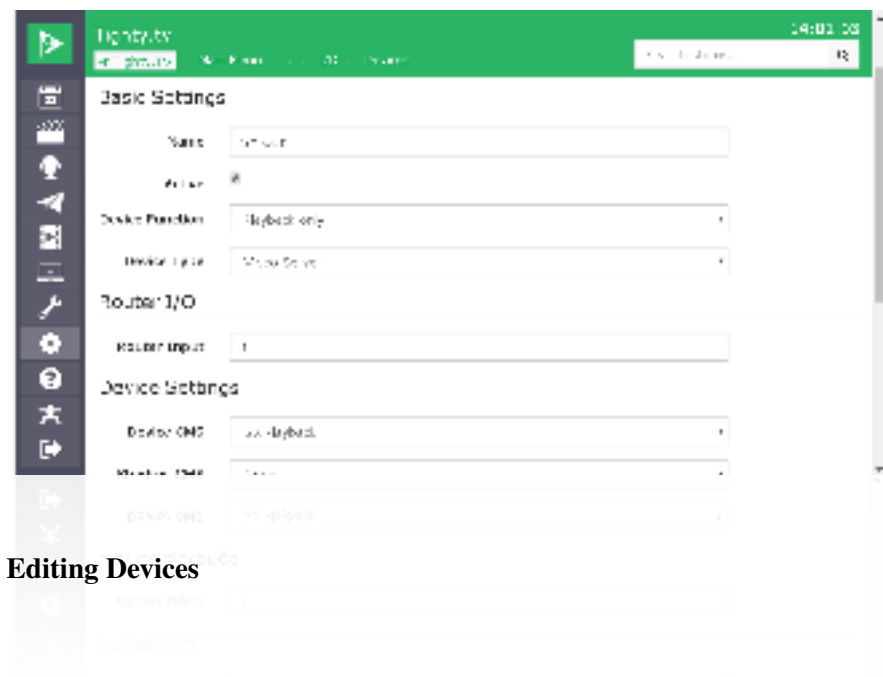
Router Input : The Routing Switcher input that the device is connected to. This field will be empty for **Record Only** devices.

Name : The descriptive name for the device. Clicking the **Name** will open the Device Edit screen which is described in [Editing Devices](#).

Runs : The total number of Shows that the device has played.

Active : Indicates whether or not this device is available for use.

FIGURE 12.14: The Device Edit screen.



The screenshot shows the 'Basic Settings' screen for editing a device in the Lightbox TV interface. It contains several input fields and dropdown menus for configuring device settings. A sidebar on the left and a top bar are also visible.

Basic Settings	
Name	XX Hybrid
Active	<input checked="" type="checkbox"/>
Device Function	Hybrid only
Media Type	Video Only
Router I/O	
Router Input	1
Device Settings	
Device ID	XX Hybrid
Media ID	1
Device ID	XX Hybrid

Editing Devices



For more details on configuring devices see the *Cablecast Control Module Reference guide*.

The Device Edit screen hides and displays various fields depending on the options you choose. Not all of the following fields will be shown at the same time.

The following fields are available:

Name : A descriptive name for the device. This field is used as a label throughout Cablecast.

Active : Sets whether or not this device is available for use.

Device Function : Sets what functions the device is able to perform. See [Device Functions](#) for an explanation of possible values.

Device Type : Sets the class of device that is connected. See [Device Types](#) for an explanation of possible values.

Router Input : The Routing Switcher Input number that this device is connected to.

Router Output : (Only shown for devices that support recording) Sets the routing switcher output that is connected to this device.

Device CMS : Sets which *Control Module Set* is responsible for controlling this device. Multiple devices can be configured to use the same CMS. See [Control Module Sets](#) for more information.

Shadow CMS : Sets a secondary *Control Module Set* which can be used to provide redundancy in the event that the primary device fails. Both devices will receive identical events from Autopilot.

Device Address : This field is only required for certain Control Modules. Sets the sub-device that is to be controlled when multiple Devices are using the same Control Module Set.

Example: An SX series video server might have two independent outputs, one would use a **Device Address** of “0” while the other would use “1”.

Device Formats : Select up to three **Formats** that the device is capable of playing. See [Formats](#) for more information.

Wake Device : Tick this box if this device has a power-saving function that needs to be deactivated before playback can start.

Wake Duration : Sets the amount of time (in seconds) that should be allotted for the Wake Sequence to complete.

Load Duration : Sets the amount of time that is required for this device to complete a *Load* command. You will need to manually time

the device in order to find the appropriate value.

Jump Duration : Sets the amount of time that is required for this device to complete a *Jump* command. For linear devices such as a Timecode VTR this field should be set to the maximum amount of time that it could take, such as cueing from the end of a tape to the start.

Take Delay : Sets the interval (in seconds) between the *Play* command to the device and the *Take* command to the routing switcher. Some devices (such as VTRs) take a few seconds to actually start playback. Correctly setting this value will prevent the tape startup from appearing on-air.

Post Roll : Sets the interval (in seconds) between the end *Take* command to the routing switcher and the user-defined **End Actions**.

Device End Action : Select one or more Actions that should be performed at the end of a scheduled playback.

Example: A VTR might require a *Stop* followed by a *Rewind* command.

Device Functions

No Device : Instructs Cablecast that there is no controllable device connected to this input. This setting is almost never used.

Playback Only : This device is used for automatic playback of scheduled programming.

Record Only : This device is used for automated recording.

Playback & Record : This device is capable of both playback and recording functionality. Note: this option implies that the device cannot perform both tasks at the same time. If your device is capable of both (like most video servers) you will need to create two separate devices.

GPI : This device is a GPI interface device which can be automated using Manual Events.

Device Types

Generic : Represents a standard VTR, or devices that perform similarly. This device will receive a *Play* command to initiate playback.

VTR(TC) : Represents a VTR that is capable of cueing tapes based on Timecode. This device will receive a *Cue* command prior to playback followed by a *Play* command.

VTR(TC-Multitape) : Represents a Timecode-capable VTR that can hold multiple tapes simultaneously. This device will receive a *Load*

command to load the correct tape, a *Cue* command to cue it to the correct segment, followed by a *Play* command to initiate playback.

DVD : Represents a DVD player. This device will receive a *Jump* command which sets the Title and Chapter to be played followed by a *Play* command to initiate playback.

DVD(Multidisc) : Represents a DVD changer. This device will receive a *Load* command to load the correct disk, a *Jump* command to select the appropriate Title and Chapter followed by a *Play* command to initiate playback.

Digital File : Represents a video server. This device will receive a *Cue* command to select the correct file and start position followed by a *Play* command to start playback.

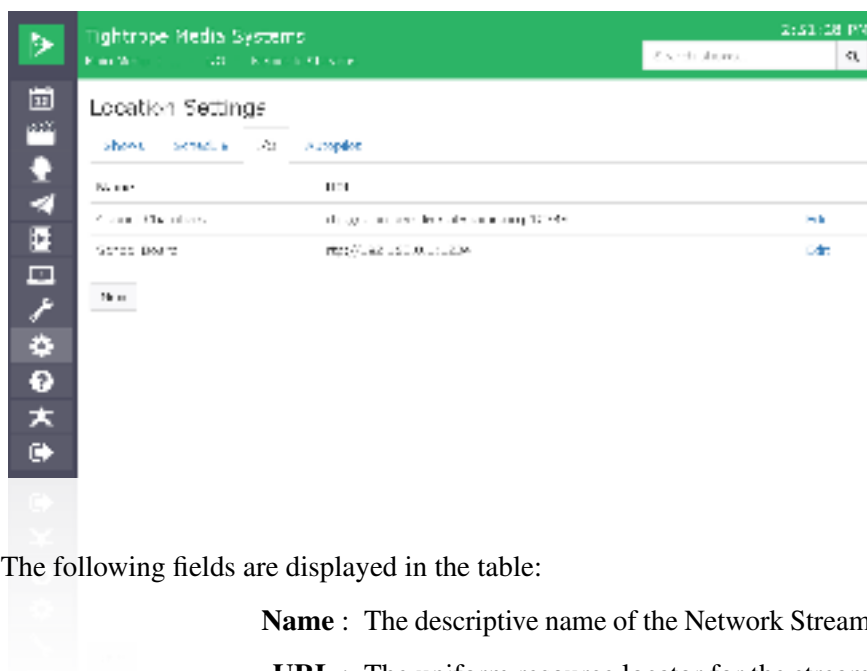
Live : Represents a Live source. No command is sent to start playback for live sources.

Bulletin Board : Represents a source that is available at all times such as an on-air character generator.

Network Streams

The Network Streams screen allows you to configure Network Streams that can be used throughout Cablecast.

FIGURE 12.15: The Network Streams screen.

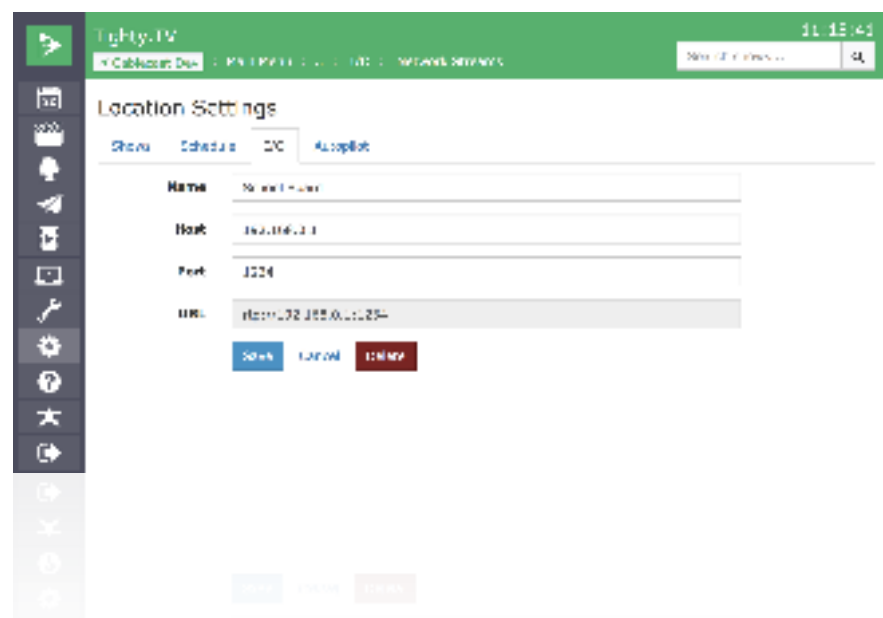


The following fields are displayed in the table:

Name : The descriptive name of the Network Stream.

URL : The uniform resource locator for the stream.

FIGURE 12.16: The Edit Network Stream screen.



Editing Network Streams The following fields are displayed:

Name : A descriptive name for the stream. This value will be displayed throughout Cablecast.

Host : The host’s IP address or DNS name for the stream.

Port : The port number associated with the host’s IP address.

URL : The uniform resource locator for the stream. Cablecast Flex servers only support RTP streams, accordingly, this field should have the form of “rtsp://<ip address>:<port>” or “rtsp://<dns name>:<port>”. This field is read-only, use the Host and Port fields to populate it.

Outputs

The Outputs screen allows you to configure the outputs of your routing switcher.

The following fields are displayed in the table:

Router Address : The routing switcher output number.

Name : A descriptive name for the output. This field is used as a label throughout Cablecast. Clicking the Name will open the Edit Output screen as described in [Editing Outputs](#).

Active : Determines if this output is currently available for automation or not.

FIGURE 12.17: The Outputs screen.

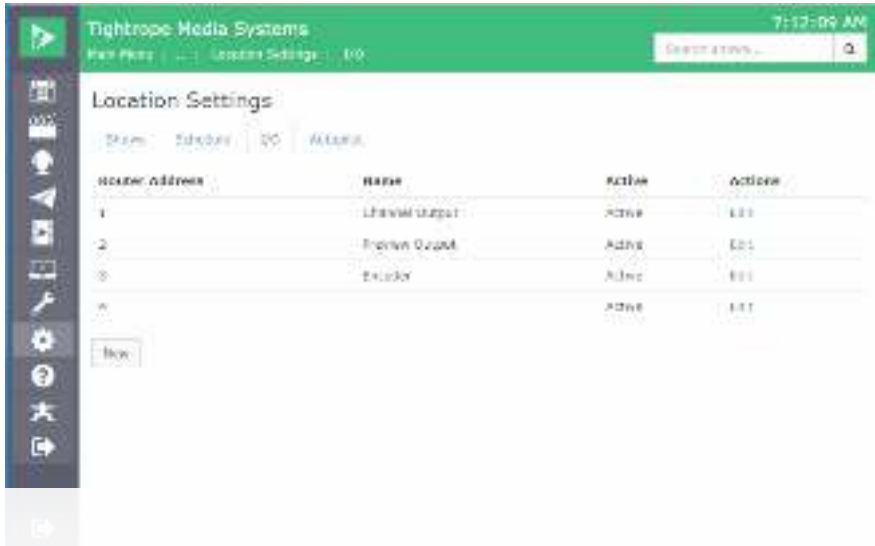


FIGURE 12.18: The Edit Output screen.



Editing Outputs The following fields are displayed:

Router Address : The routing switcher output number.

Name : A descriptive name that will be used as a label throughout Cablecast.

Type : Either *Preview* or *Channel*. An output that is configured as *Channel* will be the final destination for a schedule, while a *Preview* output is used for internal monitoring of sources.

Default Input : The *Device* that should be on-air when nothing is scheduled, such as a bulletin board.

Primary Device : The video server *Device* that will air all the channel’s video server content. It will also be used to passthrough video

from available encoders on the same server.

Fade CMS : The *Control Module Set* that controls fade-to-black for this channel.

Rating CMS : The *Control Module Set* that controls V-Chip rating insertion for this channel.

Default Rating : Sets the V-Chip rating that should be used if one is not set for a specific show.



Only Flex Servers can be used as a **Primary Device**. Additionally a **Device** can only be the **Primary Device** for a single output.

Video On Demand

This screen allows you to configure Video on Demand for your station.

FIGURE 12.19: The Video on Demand screen.

quality	profile	level	stream	resolution
Low	Baseline	30	200 kbps	240p
Medium	Baseline	50	400 kbps	480p
High	Baseline	70	800 kbps	720p

The following settings are available:

Video on Demand Server CMS : The *Control Module Set* for the Video on Demand server.

Transcoding Quality : Sets the transcoding quality that will be used if one is not set in the specific Show.

Public Address for Video on Demand Server : The publicly-available IP address or DNS hostname of the Video on Demand server.

Public Address for Cablecast Server : The publicly-available IP address or DNS hostname of the Cablecast server.

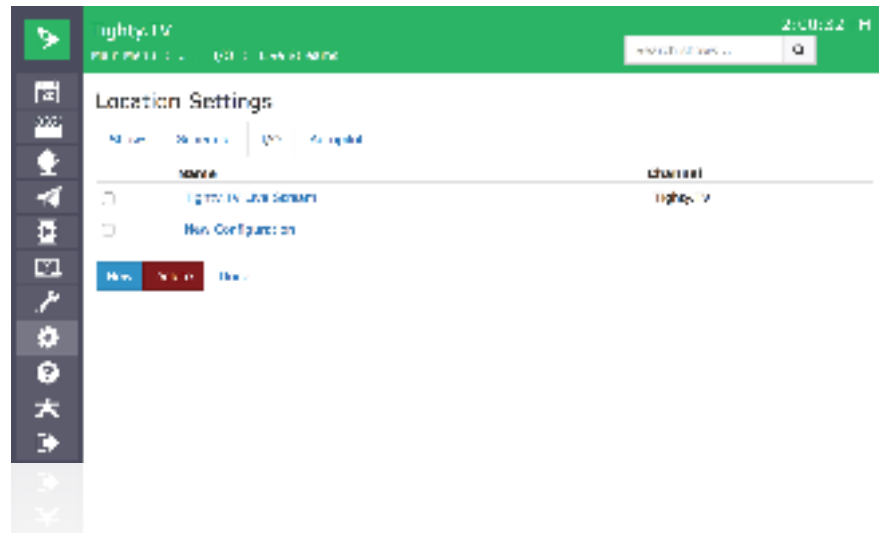
Enable Reflect : Determines if this Video on Demand server will use the Cablecast Reflect bandwidth management service. This setting should only be modified by TRMS support personnel.

Embed Template : Sets the HTML that will be used to generate embed codes for VOD files. Clicking **Restore Default** will set the **Embed Template** back to the factory default setting.

Template Tokens : These tokens can be utilized within the **Embed Template** in order to further customize it.

Live Streaming

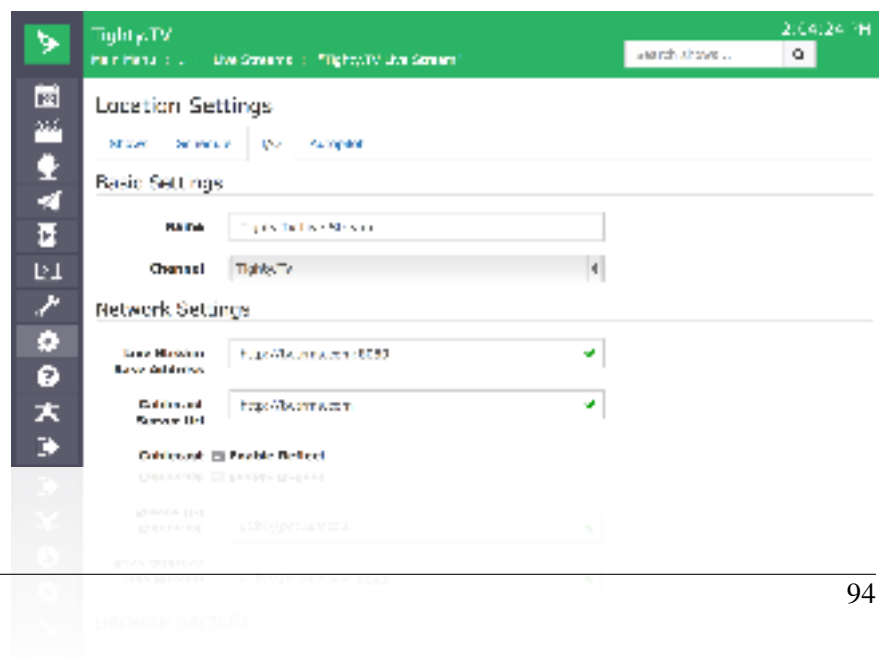
FIGURE 12.20: The Live Streaming screen.



This screen allows you to create and delete *Live Streaming Configurations* using the **New** and **Delete** buttons.

Clicking on the **Name** of a stream will open the *Edit Live Streaming Configuration* screen which is described in [Edit Live Streaming Configuration](#).

FIGURE 12.21: The Edit Live Streaming Configuration screen.



Edit Live Streaming Configuration This screen allows you to adjust the settings for a particular Live Streaming Configuration.

The following fields are available:

Name : A descriptive name. This field is used as a label throughout Cablecast.

Channel : Select the *Channel* that this stream will show.

Live Stream Base Address : The publicly-available IP address or DNS hostname of the Live Streaming encoder for this channel.

Cablecast Server Url : The publicly-available IP address or DNS hostname of the Cablecast Server.

Cablecast Reflect : Determines if this stream uses the Cablecast Reflect bandwidth management service. This setting should only be adjusted by TRMS support personnel.

Live Streaming CMS : The *Control Module Set* that controls the Live Streaming encoder for this channel.

Video Input : Sets the video input source that should be used.

Audio Input : Sets the audio input source that should be used.

Input Resolution : Sets the input resolution that the encoder should be configured to use. This must match the resolution of the video connected to the encoder's input.

Qualities : Sets the encode qualities that should be used. You may select more than one quality.



Hardware performance will determine how many qualities can be encoded at a time.

Live Streaming Exempt Paused Template : The HTML template that should be displayed when an on-air program is set as *Live Streaming Exempt*.

Stopped Template : The HTML template that should be displayed when the stream is stopped.

Embed Template : The HTML template that should be displayed when a user views the stream.

Restore Default : Resets the given template to the factory-default value.

Template Tokens : These tokens can be used in any of the templates to further customize them.

12.1.4 Autopilot Tab

Autopilot

The Autopilot settings screen includes default options that will be used when *Sending Autopilot*. If you find that you are adjusting the parameters of your Autopilot send each time you send, you might consider changing these defaults.

FIGURE 12.22: The Autopilot settings screen.



The following settings are available:

End Time : Sets the time-of-day that the send should end at by default.

Send for : Sets the number of days to send for.

Warn of bumps over : Controls the Send Report screen that appears after the send finishes and adjusts the warning threshold based on bump length.

Use Sticky Devices : Tick this box if you would like Sticky Devices enabled by default. See [Sticky Devices](#) for more information.

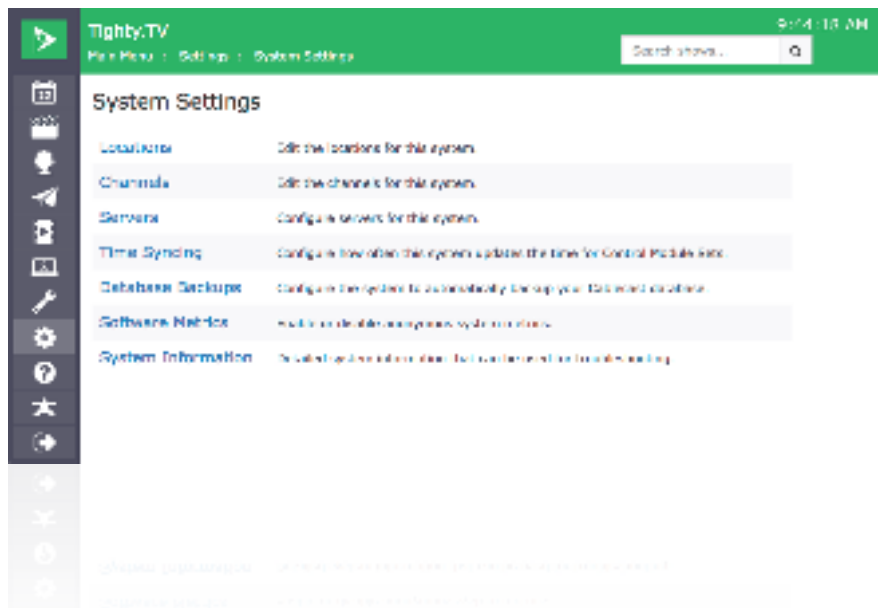
Send events to the hardware : This box should normally be ticked. You may sometimes want to disable sending events to hardware for troubleshooting purposes.

Clear Previous Bumps When Sending : Ticking this box will cause Cablecast to reset the bumps on all Shows when Autopilot is sent. For best results, you should keep this box ticked.

12.2 System Settings

The System Settings menu allows you to adjust options that effect the Cablecast system as a whole.

FIGURE 12.23: The System Settings menu.



12.2.1 Locations

Locations allow your Cablecast system to perform complex automation involving multiple head ends. You could have one head end at City Hall and another on the other side of town. For example, Cablecast can be configured for network-style contribution routing allowing programs to originate from either Location and play on a single shared channel.

If you feel that additional Locations would be useful for your system, please contact our support department for more information.

FIGURE 12.24: The Locations menu.



To create a new Location:

Step 1: Click **New**.

Step 2: Click “New Location” to edit the new Location.

Step 3: Enter a descriptive name for the new Location.

Step 4: Click **Save**.



Deleting a Location will delete all associated records such as Shows, Schedule information, Producers. Most of this data cannot be recovered. Exercise extreme caution!

To delete a Location:

Step 1: Tick the box next to the Location that you would like to delete.

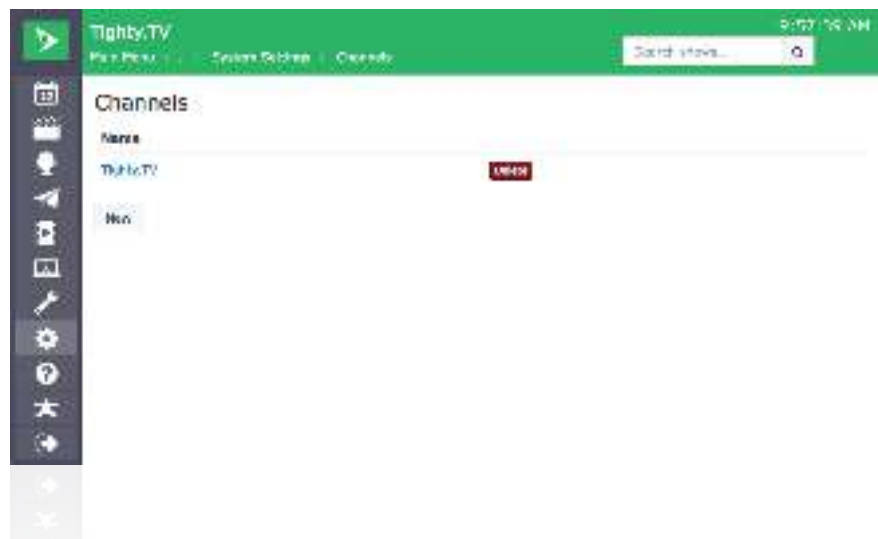
Step 2: Click **Delete**.

Step 3: Click **Delete** to confirm that you would like to delete the Location.

12.2.2 Channels

Each Channel in Cablecast represents an automation destination. Each Channel has its own independent schedule and settings.

FIGURE 12.25: The Channels menu.



To create a new Channel:

Step 1: Click **New**.

Step 2: Click on “New channel” in order to edit it.

Step 3: Click **Channel Details**.

Step 4: Enter a descriptive name for the new Channel.

Step 5: Click **Save**.



Deleting a Channel will also delete all scheduled runs on that Channel. Exercise caution when deleting Channels.

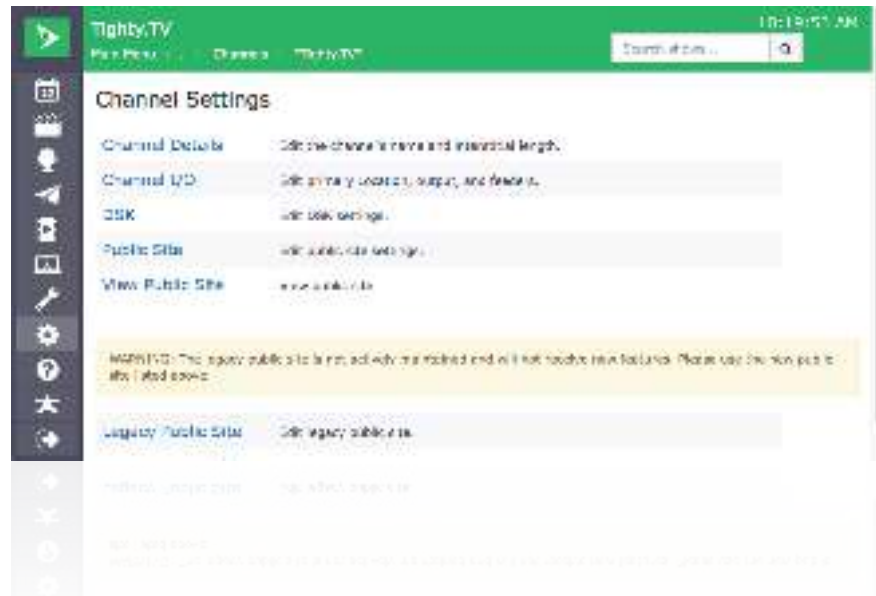
To delete a Channel:

Step 1: Click **Delete** next to the Channel that you would like to delete.

Step 2: Click **OK** to confirm that you would like to delete the Channel.

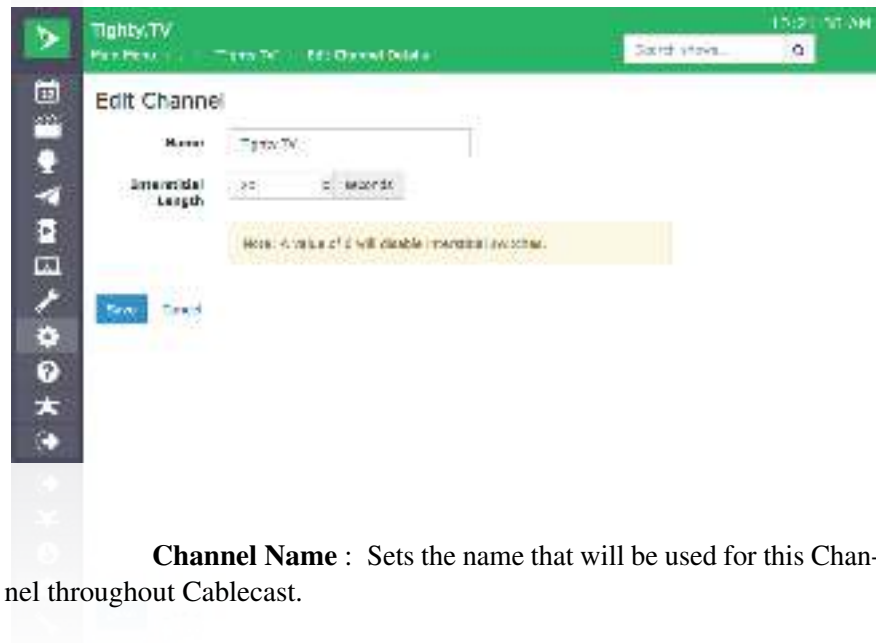
Clicking the name of a Channel will open the Channel settings screen.

FIGURE 12.26: The Channel Settings screen.



Channel Details

FIGURE 12.27: The Channel Details screen.

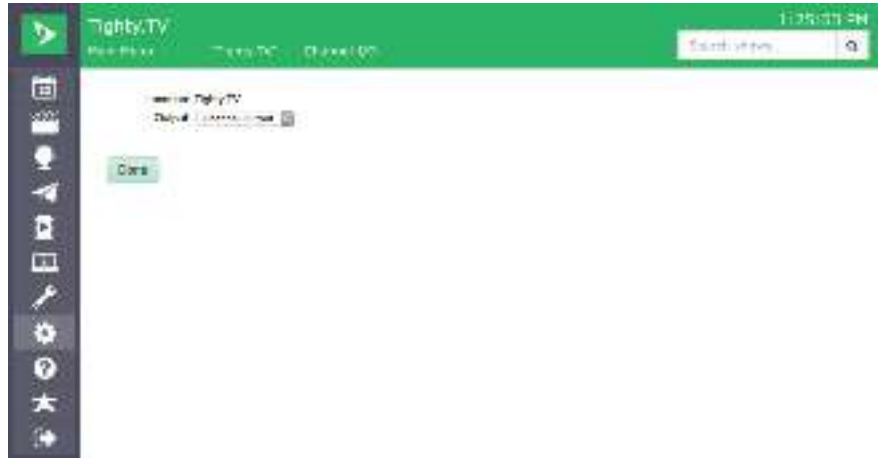


Channel Name : Sets the name that will be used for this Channel throughout Cablecast.

Interstitial Length : Defines a minimum gap between programming on the Schedule. Setting this to “0” will disable interstitial gaps and allow true back-to-back playback.

Channel I/O

FIGURE 12.28: The Channel I/O screen.



Location : Sets the Location that produces the final channel output. If there is only one Location defined, this setting is disabled.

Output : Sets the routing switcher output that is used as the final channel output. For more information on outputs see [Outputs](#).

DSK

FIGURE 12.29: The DSK settings screen.



Show Bug Graphic : Determines when the Channel’s bug will be active. Choose from: *Always*, *Never* or *During Run*.

12.2.3 Public Site

FIGURE 12.30: The Public Site settings screen.



This screen allows you to configure the Cablecast Public Site. The Public Site is a ready-made website for your station that includes schedule information, VOD playback and the ability to view live streams.

Public Site Header

Site Name : The site name will appear on the client browser's tab as well as in search engines.

Header Logo : Upload your station's logo here. Your logo should be 400px wide and 75px tall for best results.

Social Media Logo : Upload a square version of your station's logo here. The square logo is used when sharing your page on social media. If multiple channels are present, it will also appear in the channel index at the bottom of each page. If no social media logo is uploaded, it will either default to the header logo or pick an image from within the public site's page.

Public Site Colors

Banner Color : Select the color that will be used for the top banner of the site. You may also enter a hexadecimal color value such as “#ffffff” for white.

Background Color : Select the color that will be used behind the content of your page.

Gradient Color : Select the color that will be used for the top of the page. This color will gradually transition to white at the bottom of the

FIGURE 12.31: The Public Site Colors screen.



Public Home Page

FIGURE 12.32: The Public Site Home Page screen.



Slideshow Search : Select the saved search that will be used to populate the *Slideshow* at the top of the page. For more information see [Saved Searches](#).

Galleries : Use site galleries to organize the presentation of shows on your home page. A gallery is a set of shows, defined by a saved search. Galleries can be titled and ordered as needed. If no galleries are created, a default gallery will be shown containing a list of recent shows. For more information see [Edit Gallery](#).

This overlay will be shown when creating a new gallery or editing an existing one.

Title : The title of the gallery as it will appear on the public site.

Saved Search : The saved search that will be used to select shows for the gallery. For more information see [Saved Searches](#)

FIGURE 12.33: The Public Site Gallery Editor.

Maximum number of shows in gallery : The maximum number of shows that will be shown in the gallery on the home page.



Drag the gallery handle to change the sorting order of the galleries.

Public Site Show Fields

FIGURE 12.34: The Public Site Show Fields screen.

The **Show Fields** allows defining what show record details are displayed on the show details page. The fields can be ordered by using the drag icon on the left hand side of each field. Click the **+ Add Field** to add a new show field to the public site. Click the **Edit** and **Delete** to edit and delete individual fields.

Label : The label the field will display.

Field : The property of the show that value will be taken from. Use **Custom** to choose a custom field.

FIGURE 12.35: Editing a Show Field Display.

Custom Field : When **Custom** is selected for **Field** this will allow you to set which Custom Field the Show Field will use.

Display : Controls how the field will be displayed.

Public Site Contact Info

FIGURE 12.36: The Public Site Contact Info screen.

Email : The email address that viewers should use to contact your station. Leave this field blank if you don't want to provide an email address.

Phone : The phone number that viewers should call to contact your station. Leave this field blank if you don't want to provide a

phone number.

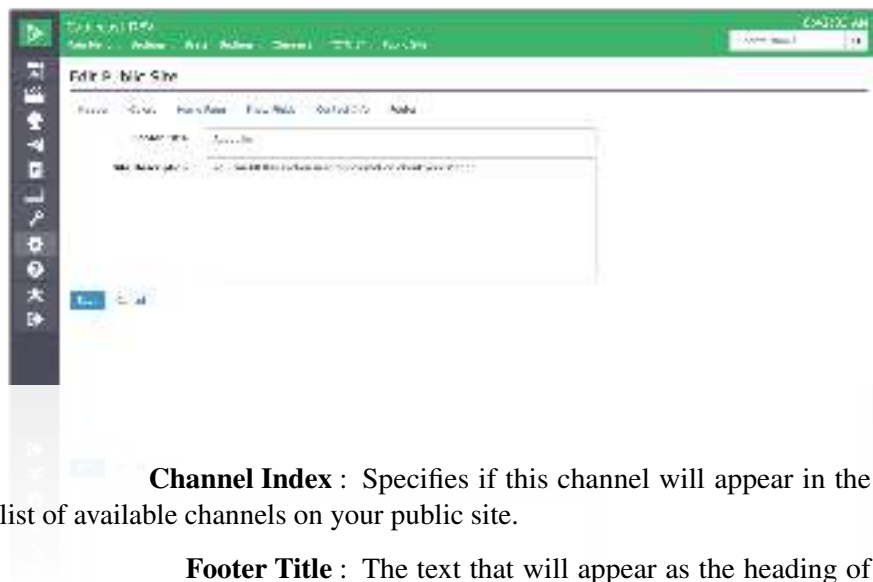
Blog URL : The web address of your station’s blog. Leave this field blank if you don’t want to link to a blog.

Facebook Page : The name of the Facebook page for your station. Leave this field blank if you don’t want to link to your Facebook page.

Twitter Handle : The Twitter handle for your station. Leave this field blank if you don’t want to link to Twitter.

Public Site Footer

FIGURE 12.37: The Public Site Footer screen.



Channel Index : Specifies if this channel will appear in the list of available channels on your public site.

Footer Title : The text that will appear as the heading of the footer section of the page.

Site Description : The content (HTML or text) that will appear as part of the footer section of the page.

View Public Site

This link will open the Cablecast Public Site so that you can view it.

Legacy Public Site

This screen will allow you to edit the settings for the Legacy Public Site. This older Public Site has been greatly improved with the Public Site described in [Public Site](#). The Legacy Public Site is provided to maintain compatibility with existing installations and should not be used for new projects.

View Legacy Public Site

This link will open the Legacy Public Site so that you can view it.

12.2.4 Servers

The Servers page allows you to configure all of the servers that will be controlled by Cablecast for automation.

FIGURE 12.38: The Servers screen.



To create a new Server:

Step 1: Click **New**.

Step 2: Enter a descriptive name for the Server in the **Name** field.

Step 3: Enter the IP Address or DNS Hostname of the Server in the **Host Address** field.

Step 4: Click **Save**.

To edit a Server:

Step 1: Click **Edit** for the Server that you would like to edit.

Step 2: Update the **Name** or **Host Address** to the desired value.

Step 3: Click **Save**.

To delete a Server:

Step 1: Tick the box next to the Server that you which to delete.

Step 2: Click **Delete**.

Step 3: Click **OK** to confirm.

Once Cablecast connects to a Server it will populate the remaining fields in the table. The displayed fields are:

Name : The user-defined name of the Server. This value will be displayed throughout Cablecast.

Host Address : The IP Address or DNS Hostname of the Server.

Connection : Indicates the real-time status of the connection to the Server.

RAID : Indicates the current status of any RAID storage volumes on the Server. This data is updated every few minutes.

Volumes : Indicates the current status of free space on the Server's storage volumes.

Last Update : Shows the time at which the system last updated information about this Server.

Version : Shows the version of Cablecast that is installed on the Server.

Time Difference : Shows the offset between the clock of the Server and the main Cablecast Server.

Remote Access : Provides the remote access code that TRMS tech support staff will need in order to connect to this server for troubleshooting.

Edit : Click to update the **Name** or **Host Address** of the Server.

12.2.5 Time Syncing

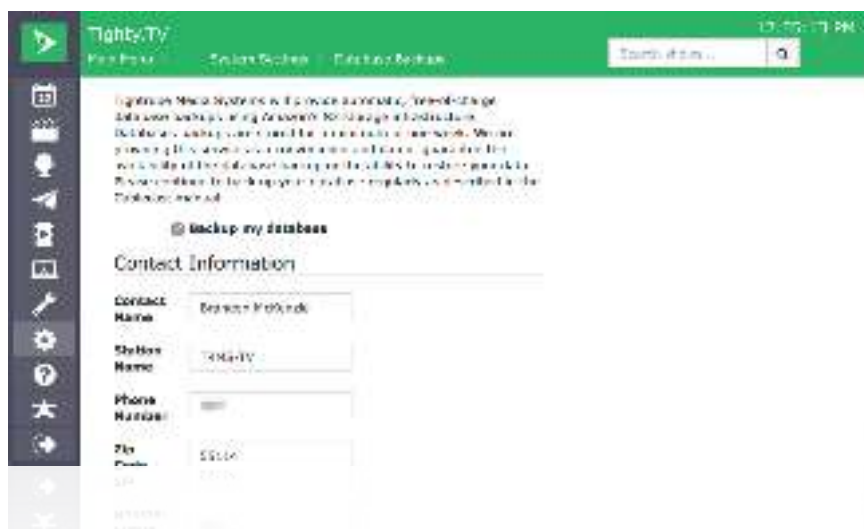
This screen controls how often Cablecast sets the time on each of the configured Servers.

FIGURE 12.39: The Time Syncing screen.



12.2.6 Database Backups

FIGURE 12.40: The Database Backups screen.



This screen allows you to configure automatic database backups. In the event of a hardware failure or accidental data loss, these backups provide a possible means of data recovery. *There is no charge for this service.*



Enabling the built-in automatic database backups is a good start to protecting your data. Please note, however, that this service only backs up the Cablecast database. Your Carousel content and database, Frontdoor database and Cablecast content will need to be backed up to fully protect your data.

To enable automatic database backups:

Step 1: Tick **Backup my database**.

Step 2: Enter the name of the person that is the main contact for your station in the **Contact Name** field.

Step 3: Enter your station's name in the **Station Name** field.

Step 4: Enter your station's phone number in the **Phone Number** field.

Step 5: Enter your station's ZIP code in the **Zip Code** field.

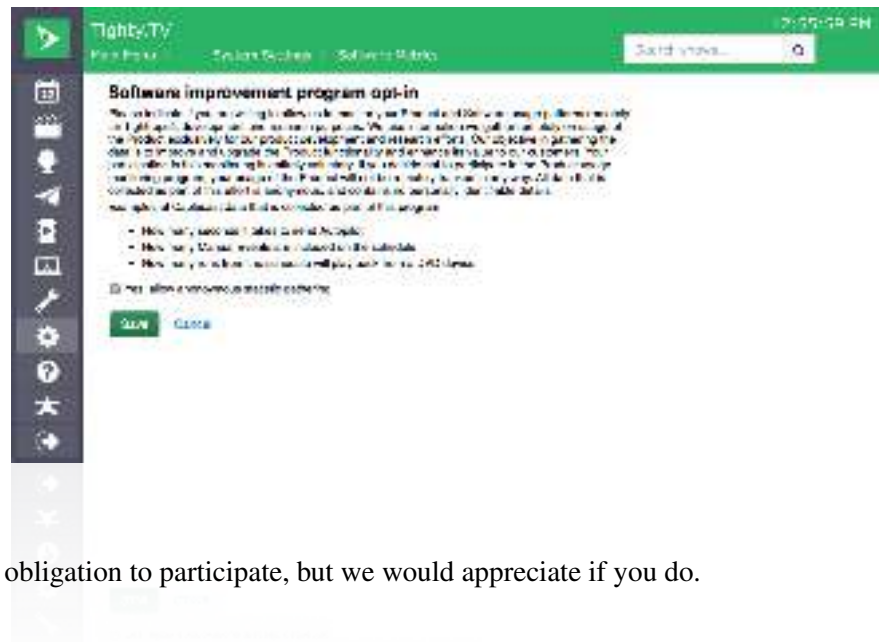


The contact details requested on this form are used to identify your station's database backups within our system. Please enter the best data that you can as it will be needed in order to locate your backups.

12.2.7 Software Metrics

This screen allows you to opt-in to anonymous statistics gathering. This data is used to help shape future versions of Cablecast. You are under no

FIGURE 12.41: The Software Metrics screen.



obligation to participate, but we would appreciate if you do.

12.2.8 System Information

This screen provides diagnostic information about the server that is running Cablecast.

12.3 User Settings

User settings allow you to customize Cablecast to your preference. These settings apply to the currently logged-in user, each user can set them individually.

12.3.1 Location

Select the Location that you would like to use when you first log into Cablecast.

12.3.2 Channel

Select the Channel that you would like to see when you first load the Schedule.

12.3.3 Time Format

Select whether or not you would like to use 24-hour time.