Control Module Reference Guide

Contents

1 Introduction

Thank you for purchasing products from Tightrope Media Systems! We have worked hard to make your new system versatile, easy to use and reliable.

1.1 What Does This Guide Cover?

This guide is designed as a reference for how to configure the Control Modules for your system.

1.2 What this Manual Does Not Cover

This manual does not include information on the setup of Cablecast, which is found in *Cablecast: The Manual*. There are extremely important concepts that are essential to the operation of your system. We do not cover them in this guide.

You should be familiar with the concepts in *Cablecast: The Manual*, especially the information in *One Thousand Miles Over Cablecast*.

Before digging into this guide, make sure you have read *Introduction and Planning* and *Initial Setup Walk-through: How Do I Set This Thing Up?* in *Cablecast: The Manual*.

1.3 Guide Conventions

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 an 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.

Configuration: Channel Configuration

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 (":").

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.

1.4 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:

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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/communit

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.

2 Cablecast Control Module Reference

2.1 AjaKumoCM

Controls AJA KUMO Routers via network (RESTful API)

2.1.1 Supported Devices

This Control Module is for use with video switchers manufacturered by AJA Video Systems. The following models have been tested:

- KUMO SDI Routers

2.1.2 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets — Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Router`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost : AjaKumoCM`"
Port/IP/Local Path : Enter the IP address of the device
Example: "`192.168.1.22`"
Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.1.3 Control Module specific settings

This Control Module has additional settings in the Application Configuration file. This file can be found at:

D:\\TRMS\Control Modules\TRMS.Services.CablecastDeviceControl.exe.config.

Please double-check any changes you make as a mis-configuration of these settings could cause your system to stop functioning.

AJA-KUMO-Outputs : Sets the list of outputs that should be polled for status. For an 8x8 router enter '1,2,3,4,5,6,7,8'

2.1.4 Selecting this Control Module for Router control

Location Settings: I/O: Router — Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.2 AutoPatchBCSCM

Controls Autopatch routers that use the BCS protocol for control.

2.2.1 Supported Devices

This Control Module is for use with video switchers manufacturered by AMX formerly Autopatch. The following models have been tested:

- AMX Routers that use the BCS protocol
- Autopatch Routers that use the BCS protocol

2.2.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

FIGURE 2.1: RS-232 null modem cable
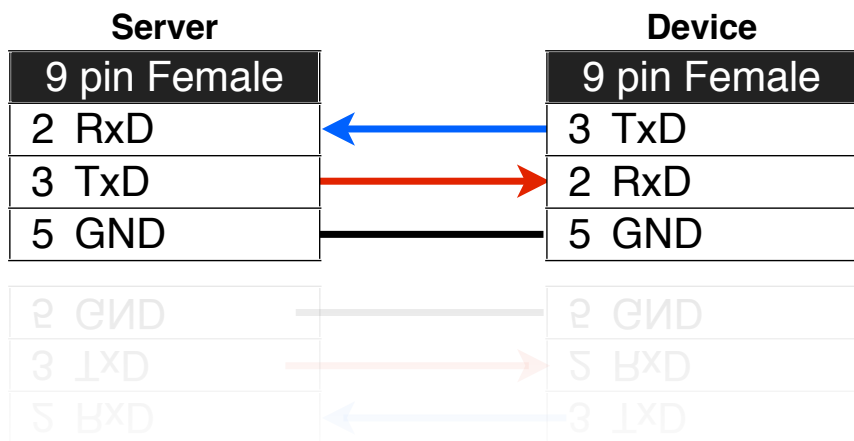
2.2.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.2.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Router`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost : AutoPatchBCSCM`"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "2"

Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.2.5 Control Module specific settings

This Control Module has additional settings in the Application Configuration file. This file can be found at:

D:\\TRMS\Control Modules\TRMS.Services.CablecastDeviceControl.exe.config.

Please double-check any changes you make as a mis-configuration of these settings could cause your system to stop functioning.

AutoPatchLevels : Sets the levels that should be included in switch commands and status requests. Specify a comma-delimited list of levels, such as 1,2,4 for levels 1, 2 and 4. Valid levels are 1 through 8.

AutoPatchOutputs : Sets the number of outputs that should be polled for status. For an 8x8 router enter '8'

2.2.6 Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.3 BlackmagicVHCM

Controls Blackmagic Videhub routers through ethernet protocol

2.3.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Blackmagic Design. The following models have been tested:

- Videhohub Family

2.3.2 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Router`".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : BlackmagicVHCM`"

Port/IP/Local Path : Enter the IP address of the device

Example: "`192.168.1.22`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.3.3 Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.4 BVSVC1CM

Controls the VC-1 V-Chip Line 21 Encoder.

2.4.1 Supported Devices

This Control Module is for use with V-Chip encoders manufacturered by Broadcast Video Systems Corp (BVS). The following models have been tested:

- VC-1

> The VC-1 must be configred to accept RS-232 data. This is done by setting jumpers JP2, 3 and 5 on the encoder board as described in the VC-1 manual.

2.4.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

FIGURE 2.2: RS-232 straight through cable
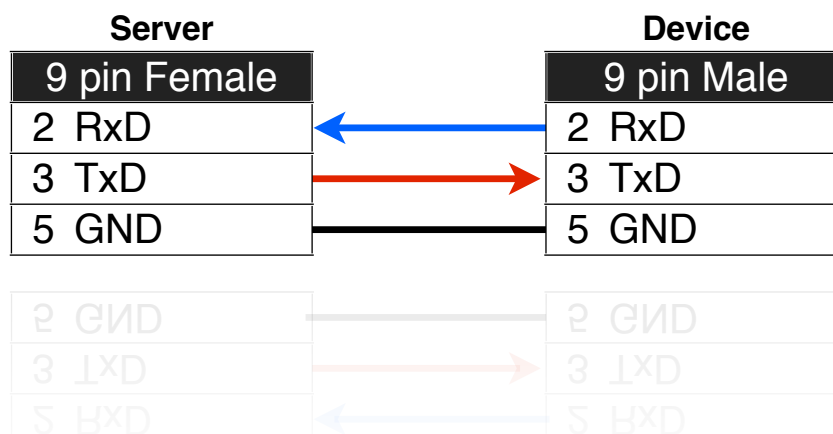
2.4.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 38400 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.4.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "V-Chip encoder".

Control Module : Select the corresponding Host and Control
Module

Example: "`localhost :  BVSVC1CM`"

Port/IP/Local Path : Enter the serial port to which the device is
connected

Example: "`2`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.4.5   Selecting this Control Module for V-Chip control

Location Settings: I/O:
Outputs

- Navigate to *Location Settings: I/O: Outputs*

- Select your channel output

- Select the Control Module Set you previously created from the **Rating
CMS** list

- Click **Save** to commit the changes

2.5 CodanNKCM

Controls Codan routers that use the NK protocol.

2.5.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Codan Broadcast (now a part of Ross Video). The following models have been tested:

- All routers that use the NK protocol

> Newer Codan and Ross NK equipment must be controlled through the NK-SCP.

2.5.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.3: RS-232 straight through cable

Server		Device	
9 pin Female		**9 pin Male**	
2	RxD	2	RxD
3	TxD	3	TxD
5	GND	5	GND

2.5.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.5.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : CodanNKCM`"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "`2`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.5.5   Control Module specific settings

This Control Module has additional settings in the Application Configuration file. This file can be found at:

D:\\TRMS\Control Modules\TRMS.Services.CablecastDeviceControl.exe.config.

Please double-check any changes you make as a mis-configuration of these settings could cause your system to stop functioning.

CodanNKCM-Outputs : Set to the highest numbered output, between 1 and 255

CodanNKCM-Levels : Sets the levels that should be included in switch commands and status requests. Specify a comma-delimited list of levels, such as 1,2,4 for levels 1, 2 and 4. Valid levels are 1 through 8.

2.5.6   Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.6 DenonDBT3313UDCICM

Controls the DBT-3313UDCI single disc Blu-ray player. Note that this device does not support the JUMP command and should be configured as a Generic device.

2.6.1 Supported Devices

This Control Module is for use with DVD players manufacturered by Denon Professional. The following models have been tested:

- DBT-3313UDCI

2.6.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.4: RS-232 straight through cable

2.6.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

$$
\begin{aligned}
\textbf{Baud Rate} &: \text{9600 baud} \\
\textbf{Stop Bits} &: \text{One} \\
\textbf{Byte Size} &: \text{8 bits} \\
\textbf{Parity} &: \text{None} \\
\textbf{Flow Control} &: \text{None}
\end{aligned}
$$

2.6.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Denon Professional DVD".

Control Module : Select the corresponding Host and Control Module

Example: "localhost : DenonDBT3313UDCICM"

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$$\textbf{Port/IP/Local Path} : \text{Leave blank}$$
$$\textbf{Network Path} : \text{Leave blank}$$
$$\textbf{Auth} : \text{Leave blank}$$
$$\textbf{Sync Time} : \text{OFF}$$

2.6.5 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "New Input". Click it to open the device settings.

2.6.6 Device Settings

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "Playback only"

Device Type : "Generic"

Wake Device : Enabled if your device enters a power-saving state. We suggest "30" seconds.

Take Delay : We suggest "2" seconds

Post Roll : We suggest "5" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : The serial port that controls the device, e.g. "2"

Device Formats : Select a suitable format.

Device End Actions : "Stop"

Click **Save** to complete the configuration of your new device.

2.7 DenonDVD2900CM

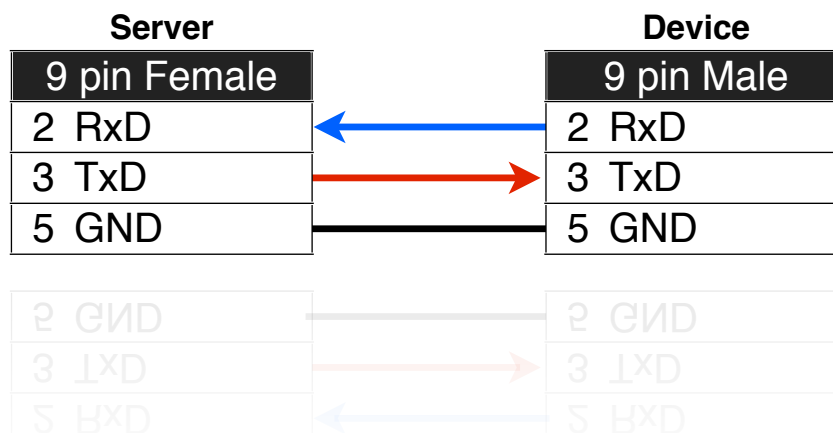Controls the DVD-2900 single disc DVD player.

2.7.1 Supported Devices

This Control Module is for use with DVD players manufacturered by Denon. The following models have been tested:

- DVD-2900

2.7.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.5: RS-232 straight through cable
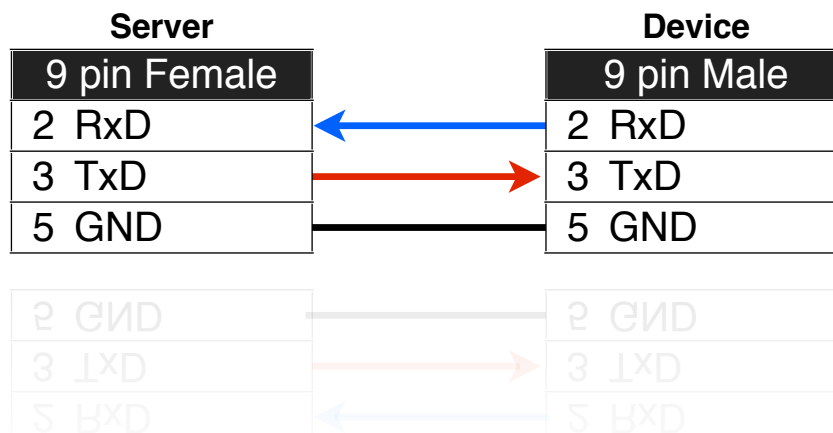
2.7.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

$$\begin{aligned}
\textbf{Baud Rate} &: \text{9600 baud} \\
\textbf{Stop Bits} &: \text{One} \\
\textbf{Byte Size} &: \text{8 bits} \\
\textbf{Parity} &: \text{None} \\
\textbf{Flow Control} &: \text{None}
\end{aligned}$$

2.7.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Denon DVD`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost : DenonDVD2900CM`"
Port/IP/Local Path : Leave blank
Network Path : Leave blank
Auth : Leave blank

<div align="center">**Sync Time** : OFF</div>

2.7.5   Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.7.6   Device Settings

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "`2`"

Device Function : "`Playback only`"

Device Type : "`DVD`"

Jump Duration : We suggest "`15`" seconds

Take Delay : We suggest "`1`" second

Post Roll : We suggest "`5`" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : The serial port that controls the device, e.g. "`2`"

Device Formats : Select a suitable format.

Device End Actions : "`Stop`"

Click **Save** to complete the configuration of your new device.

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2.8 DenonV300CM

Controls the DN-V300 series single disc DVD players.

2.8.1 Supported Devices

This Control Module is for use with DVD players manufacturered by Denon Professional. The following models have been tested:

- DN-V300
- DN-V310

2.8.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.6: RS-232 straight through cable
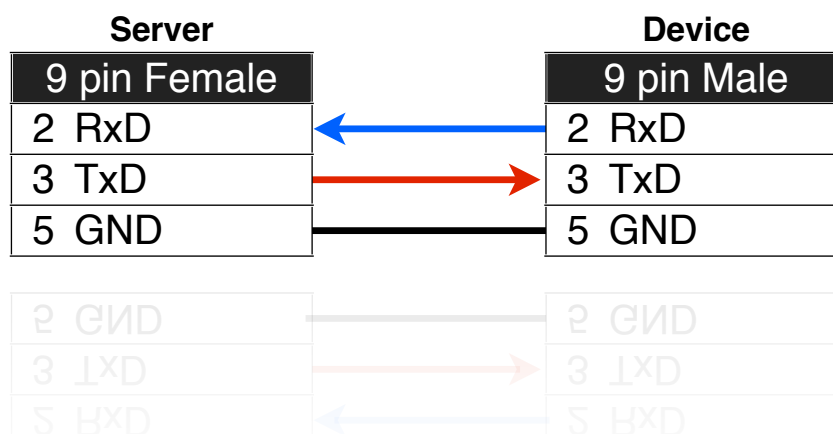
2.8.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.8.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Denon Professional DVD".

Control Module : Select the corresponding Host and Control Module

Example: "localhost : DenonV300CM"

Port/IP/Local Path : Leave blank

$$\text{Network Path : Leave blank}$$
$$\text{Auth : Leave blank}$$
$$\text{Sync Time : OFF}$$

2.8.5 Creating a Device

Location Settings: I/O: Devices — Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.8.6 Device Settings

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "`Playback only`"

Device Type : "`DVD`"

Jump Duration : We suggest "15" seconds

Take Delay : We suggest "1" second

Post Roll : We suggest "5" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : The serial port that controls the device, e.g. "2"

Device Formats : Select a suitable format.

Device End Actions : "`Stop`"

Click **Save** to complete the configuration of your new device.

2.9 DRStreamCM

Controls digital video encoders manufactured by Tightrope Media Systems that are based on the Digital Rapids Stream encoder cards.

2.9.1 Supported Devices

This Control Module is for use with digital video encoders manufacturered by Tightrope Media Systems. The following models have been tested:

- ENC-106

2.9.2 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Encoder`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost : DRStreamCM`"
Port/IP/Local Path : Enther the drive to which this video server should record
Example: "`E:\`"
Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.9.3 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.9.4 Device Settings

Enter the following information:

Name : A descriptive name for your device
Device Function : "`Record only`"
Device Type : "`Digital File`"
Take Delay : We suggest "`0`" seconds
Post Roll : We suggest "`0`" seconds
Device CMS : Select the Control Module Set that you created earlier for this device
Device Address : "`0`"
Device Formats : Select a suitable format.
Device End Actions : "`StopRecord`"

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Router Output : The router output to which this device is connected, e.g. "3"

Record Quality : Select what codec you want to use for recordings on this device

Record Copy UNC : Leave blank. See the Cablecast manual for more information.

Click **Save** to complete the configuration of your new device.

2.10 Evertz8084ADCM

Controls the 8084AD Closed Caption encoder only for inserting V-Chip data.

2.10.1 Supported Devices

This Control Module is for use with V-Chip encoders manufacturerd by Evertz. The following models have been tested:

- 8084AD

The device must be configured to use the baud rate and parity described below.

2.10.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

FIGURE 2.7: RS-232 null modem cable

2.10.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

$$
\begin{array}{rl}
\textbf{Baud Rate} : & 9600 \text{ baud} \\
\textbf{Stop Bits} : & \text{One} \\
\textbf{Byte Size} : & 8 \text{ bits} \\
\textbf{Parity} : & \text{None} \\
\textbf{Flow Control} : & \text{Software (XOn - XOff)}
\end{array}
$$

2.10.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "V-Chip encoder".

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Control Module : Select the corresponding Host and Control
Module

Example: "`localhost : Evertz8084ADCM`"

Port/IP/Local Path : Enter the serial port to which the device is
connected

Example: "`2`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.10.5 Selecting this Control Module for V-Chip control

Location Settings: I/O:
Outputs

- Navigate to *Location Settings: I/O: Outputs*

- Select your channel output

- Select the Control Module Set you previously created from the **Rating CMS** list

- Click **Save** to commit the changes

2.11 ExtronISSCM

Controls Extron seamless switchers with two outputs.

2.11.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Extron Electronics. The following models have been tested:

- ISG 506
- ISS 408
- SGS 408

This control module works only with the specified models.

2.11.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.8: RS-232 straight through cable

2.11.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

$$\begin{aligned}
\textbf{Baud Rate} &: \text{9600 baud} \\
\textbf{Stop Bits} &: \text{One} \\
\textbf{Byte Size} &: \text{8 bits} \\
\textbf{Parity} &: \text{None} \\
\textbf{Flow Control} &: \text{None}
\end{aligned}$$

2.11.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : ExtronISSCM`"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "`2`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.11.5 Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.12 ExtronMAVCM

Controls Extron MAV series routers that use the SIS protocol.

2.12.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Extron Electronics. The following models have been tested:
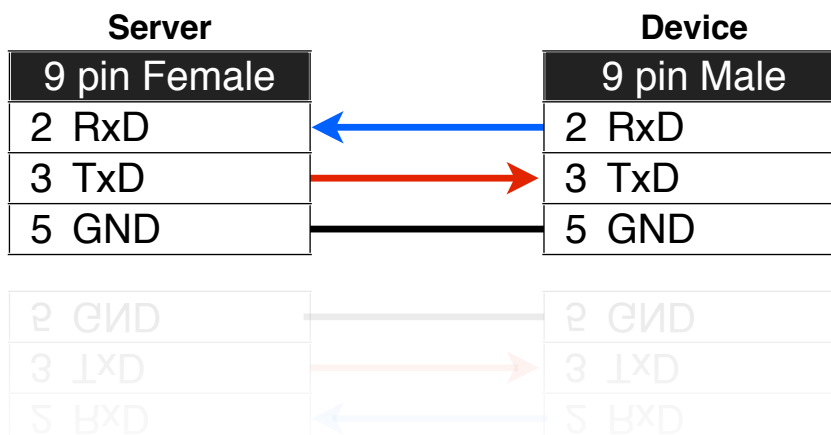
- MAV 88 AV
- MAV 88 AV RCA

The ExtronMAVPlusCM should also control these routers. The two control modules differ in the way they interpret router status. If this Control Module does not work as you expect, please try the ExtronMAVPlusCM.

2.12.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.9: RS-232 straight through cable

Server	Device
9 pin Female	9 pin Male
2 RxD	2 RxD
3 TxD	3 TxD
5 GND	5 GND
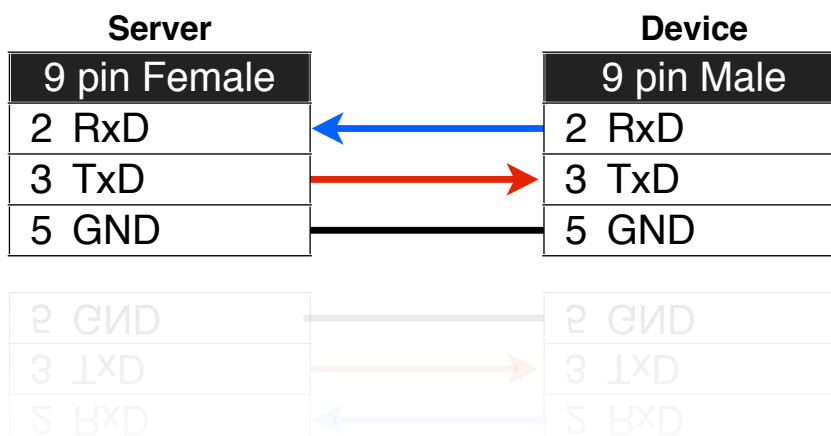
2.12.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.12.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".

Control Module : Select the corresponding Host and Control
Module

Example: "`localhost : ExtronMAVCM`"

Port/IP/Local Path : Enter the serial port to which the device is
connected

Example: "`2`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.12.5   Selecting this Control Module for Router control

Location Settings: I/O: Router — Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.13 ExtronMAVPlusCM

Controls Extron MAV Plus series routers that use the SIS protocol.

2.13.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Extron Electronics. The following models have been tested:

- MAV Plus 1212 AV
- MAV Plus 4848 AV

The ExtronMAVCM should also control these routers. The two control modules differ in the way they interpret router status. If this Control Module does not work as you expect, please try the ExtronMAVCM.

2.13.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.10: RS-232 straight through cable

Server		Device	
9 pin Female		**9 pin Male**	
2	RxD	2	RxD
3	TxD	3	TxD
5	GND	5	GND
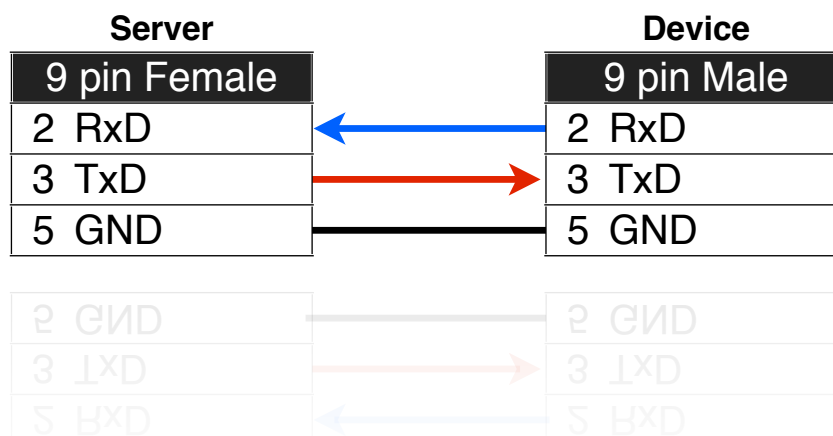
2.13.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.13.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".

Control Module : Select the corresponding Host and Control
Module

Example: "localhost : ExtronMAVPlusCM"

Port/IP/Local Path : Enter the serial port to which the device is
connected

Example: "2"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.13.5 Selecting this Control Module for Router control

Location Settings: I/O: Router   Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.14 ExtronSWCM

Controls Extron SW series switchers.

2.14.1 Supported Devices

This Control Module is for use with video switchers manufacturerd by Extron Electronics. The following models have been tested:

- SW 12AV RCA
- SW 6AV

The ExtronSWCM will only control single-output switchers. If you are trying to control a routing switcher with more than one output, check out the ExtronMAVPlusCM

2.14.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.11: RS-232 straight through cable

Server		Device	
9 pin Female		**9 pin Male**	
2 RxD	←	2 RxD	
3 TxD	→	3 TxD	
5 GND	—	5 GND	
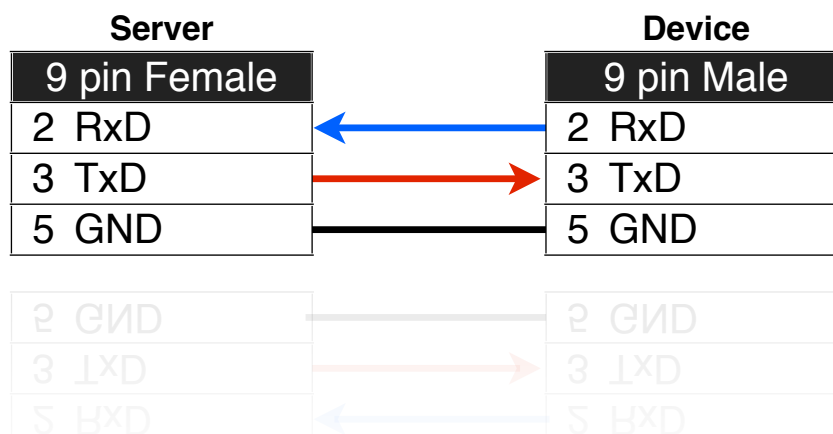
2.14.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.14.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".

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Control Module : Select the corresponding Host and Control
Module

Example: "`localhost : ExtronSWCM`"

Port/IP/Local Path : Enter the serial port to which the device is
connected

Example: "`2`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.14.5 Selecting this Control Module for Router control

Location Settings: I/O: Router   Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.15   GenericCM

This is a diagnostic control module. It does not control any devices and serves no function aside from development and testing.

2.16 GrassValleyNPCM

Control for Routers that use the Grass Valley Native Protocol (aka Series 7000)

2.16.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Grass Valley Native Protocol. The following models have been tested:

- AJA KUMO Series Routers

This Control Module should work with any router that is controlled by the Grass Valley Native Protocol. This control module has only been tested against the KUMO routers by AJA and the Ross NK-3RD protocol converter. When using the Ross NK-3RD the "GrassValleyNPCM-UseHex" config must be set to "True"

2.16.2 Physical Connections

You will need an available RS-422 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

The cable required for this device depends upon what type of RS-422 port you are using.
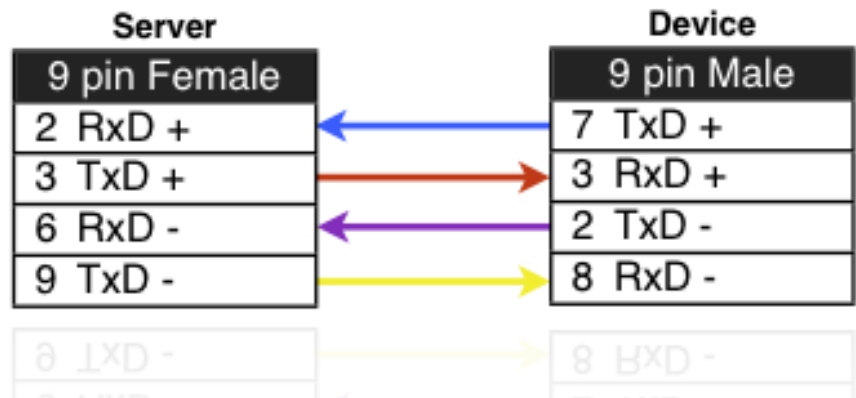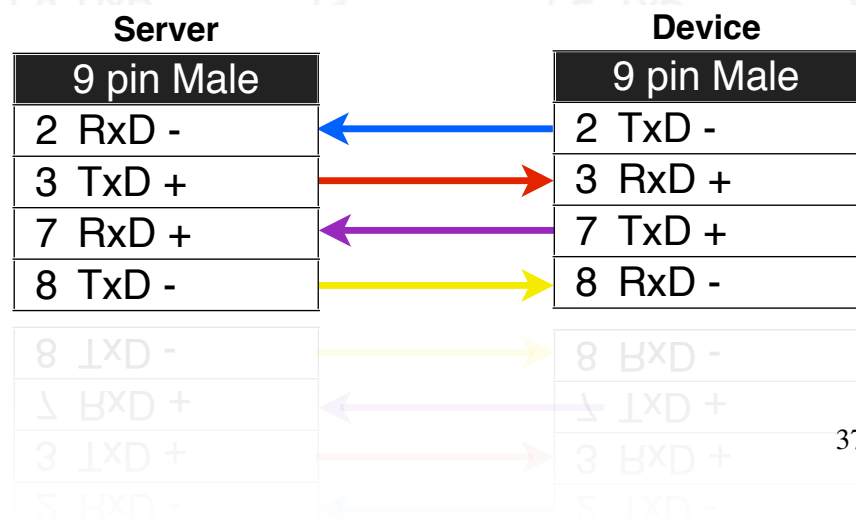
FIGURE 2.12: Quatech RS-422 cable

FIGURE 2.13: Blastronix RS-422 cable

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2.16.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 38400 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.16.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets — Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Router`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost : GrassValleyNPCM`"
Port/IP/Local Path : Enter the serial port to which the device is connected
Example: "`2`"
Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.16.5 Control Module specific settings

This Control Module has additional settings in the Application Configuration file. This file can be found at:

D:\\TRMS\Control Modules\TRMS.Services.CablecastDeviceControl.exe.config.

Please double-check any changes you make as a mis-configuration of these settings could cause your system to stop functioning.

GrassValleyNPCM-Baud-Rate : The baud rate for this device. Default is 38400.

GrassValleyNPCM-Outputs : Comma delimited list of outputs. These outputs will be used for requesting crosspoint status. Default is 0 through 15 i.e. (0,1,2,3...)

GrassValleyNPCM-UseHex : Configures the router to use hexadecimal when parsing sources and destinations. This setting depends on the manufacturer of your router. Default is False

GrassValleyNPCM-Serial-Parity : The parity to use for serial communication. Default is: none

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GrassValleyNPCM-Disable-Status : If True Status will disabled

2.16.6   Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.17 IntegraDPCCM

Controls DPC series DVD changers.

2.17.1 Supported Devices

This Control Module is for use with DVD changers manufacturered by Integra. The following models have been tested:

- The DPC series of DVD changers

> The Integra protocol does not support a jump command. Playback will always start at title 1, chapter 1.

2.17.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

FIGURE 2.14: RS-232 straight through cable
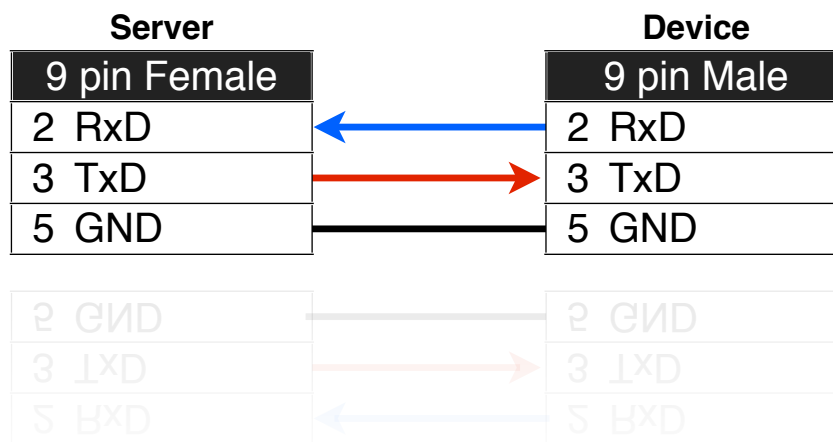
2.17.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate :	9600 baud
Stop Bits :	One
Byte Size :	8 bits
Parity :	None
Flow Control :	None

2.17.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Integra DVD Changer".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : IntegraDPCCM`"

Port/IP/Local Path : Leave blank
Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.17.5 Control Module specific settings

This Control Module has additional settings in the Application Configuration file. This file can be found at:

D:\\TRMS\Control Modules\TRMS.Services.CablecastDeviceControl.exe.config.

Please double-check any changes you make as a mis-configuration of these settings could cause your system to stop functioning.

IntegraForceStop : Set this to true if you are having problems with auto-start discs in this changer

2.17.6 Creating a Device

Location Settings: I/O: Devices   Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.17.7 Device Settings

Enter the following information:

Name : A descriptive name for your device
Router Address : The router input to which this device is connected, e.g. "2"
Device Function : "`Playback only`"
Device Type : "`DVD(Multidisc)`"
Load Duration : We suggest "30" seconds
Jump Duration : We suggest "15" seconds
Take Delay : We suggest "1" second
Post Roll : We suggest "5" seconds
Device CMS : Select the Control Module Set that you created earlier for this device
Device Slots : "1" to "6"
Device Address : The serial port that controls the device, e.g. "2"
Device Formats : Select a suitable format.
Device End Actions : "`Stop`"

Click **Save** to complete the configuration of your new device.

2.18 JupiterASCIICM

Controls routers that use the Jupiter ASCII protocol.

2.18.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Phillips Broadcast (now a part of Grass Valley). The following models have been tested:

- Routers that use the Jupiter ASCII protocol

Router size is limited to 1000 inputs and 1000 outputs (000-999) and seven levels.

2.18.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.15: RS-232 straight through cable

2.18.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate :	9600 baud
Stop Bits :	One
Byte Size :	8 bits
Parity :	None
Flow Control :	Software (XOn - XOff)

2.18.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : JupiterASCIICM`"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "`2`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.18.5 Control Module specific settings

This Control Module has additional settings in the Application Configuration file. This file can be found at:

D:\\TRMS\Control Modules\TRMS.Services.CablecastDeviceControl.exe.config.

Please double-check any changes you make as a mis-configuration of these settings could cause your system to stop functioning.

JupiterASCIICM-Levels : A comma-delimited list of levels that should be switched. The first value will be used for status requests.

JupiterASCIICM-Outputs : A comma-delimited list of outputs that should be included in status requests

2.18.6 Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.19 JVCSRMV232CM

Controls DVD / VHS / Mini-DV combo decks from JVC.

2.19.1 Supported Devices

This Control Module is for use with combo decks manufacturered by JVC. The following models have been tested:

- SR-DVM600
- SR-DVM70
- SR-MV45
- SR-MV50
- SR-MV55

This control module can't switch the mode of the device. So, a play command will be sent to whatever mechanism is currently controlled. If you are using the tape portion of the deck you should set the Device Type to Generic. Some decks may need a null-modem cable.

2.19.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.16: RS-232 straight through cable
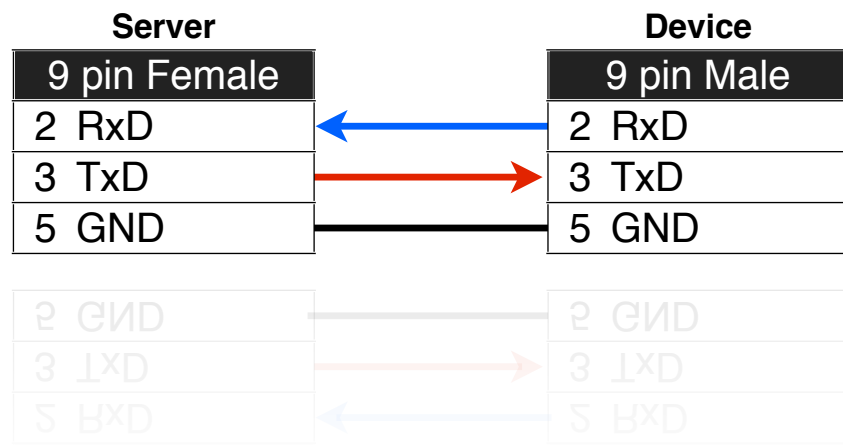
2.19.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

<div align="center">

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

</div>

2.19.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`JVC Combo Deck`".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : JVCSRMV232CM`"

Port/IP/Local Path : Leave blank

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.19.5 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.19.6 Device Settings

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "`2`"

Device Function : "`Playback only`"

Device Type : "`DVD`"

Jump Duration : We suggest "`15`" seconds

Take Delay : We suggest "`1`" second

Post Roll : We suggest "`5`" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : The serial port that controls the device, e.g. "`2`"

Device Formats : Select a suitable format.

Device End Actions : "`Stop`"

Click **Save** to complete the configuration of your new device.

2.20 JVCSRS365UCM

Controls S-VHS decks from JVC.

2.20.1 Supported Devices

This Control Module is for use with timecode VTRs manufacturerred by JVC. The following models have been tested:

- SR-365U

The Control Mode switch under the front flap must be set to RS232

2.20.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.17: RS-232 null modem cable
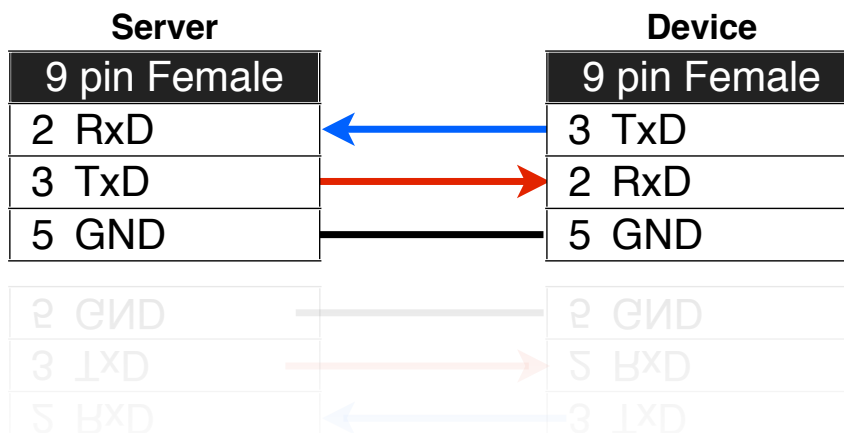
2.20.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate :	9600 baud
Stop Bits :	One
Byte Size :	8 bits
Parity :	None
Flow Control :	None

2.20.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`JVC VTR`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost : JVCSRS365UCM`"
Port/IP/Local Path : Leave blank

$$\begin{aligned}\textbf{Network Path} &: \text{Leave blank}\\ \textbf{Auth} &: \text{Leave blank}\\ \textbf{Sync Time} &: \text{OFF}\end{aligned}$$

2.20.5 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "New Input". Click it to open the device settings.

2.20.6 Device Settings

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "Playback only"

Device Type : "VTR"

Jump Duration : We suggest "60" seconds

Take Delay : We suggest "2" seconds

Post Roll : We suggest "5" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : The serial port that controls the device, e.g. "2"

Device Formats : Select a suitable format.

Device End Actions : "Stop + Rewind"

Click **Save** to complete the configuration of your new device.

2.21 Knox256CM

Controls Knox routers that have more than 99 inputs and outputs.

2.21.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Knox Video Technologies. The following models have been tested:

- Chameleon256

2.21.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.18: RS-232 straight through cable
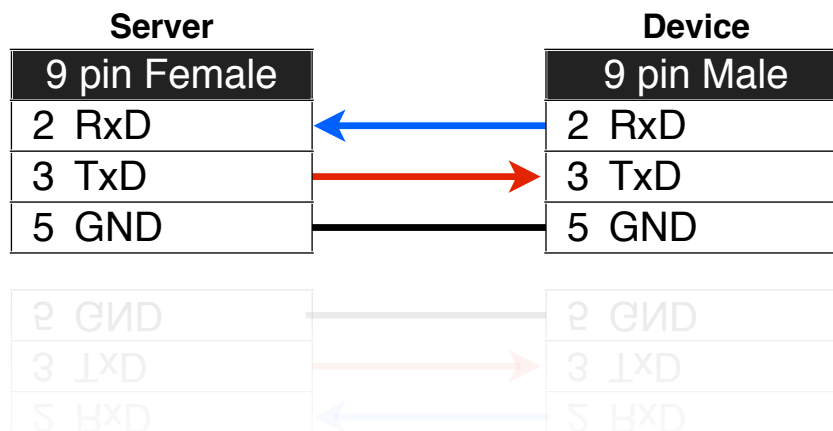
2.21.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

> **Baud Rate** : 9600 baud
> **Stop Bits** : One
> **Byte Size** : 8 bits
> **Parity** : None
> **Flow Control** : None

2.21.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

> **CMS Name** : A descriptive name, such as "Router".
> **Control Module** : Select the corresponding Host and Control Module

Example: "localhost : Knox256CM"

> **Port/IP/Local Path** : Enter the serial port to which the device is connected

Example: "2"

<div align="right">

Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

</div>

2.21.5 Selecting this Control Module for Router control

Location Settings: I/O: Router	Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.22 Knox64CM

Controls modular routing switchers with up to 99 inputs and outputs.

2.22.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Knox Video Technologies. The following models have been tested:

- Chameleon
- Chameleon64
- Chameleon64i
- RS 16x16
- RSII Series

2.22.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.19: RS-232 straight through cable
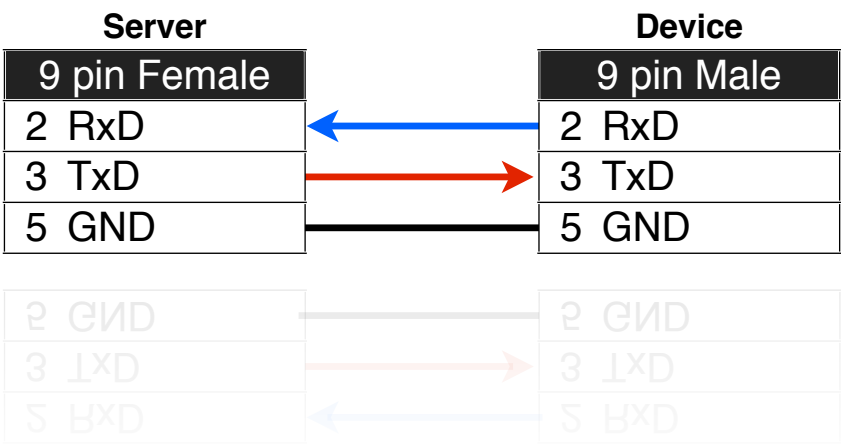
2.22.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.22.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : Knox64CM`"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "`2`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.22.5   Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.23 Knox8CM

Controls Knox routers that have less than 10 inputs and outputs.

2.23.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Knox Video Technologies. The following models have been tested:

- RS 4x4
- RS 8x8

2.23.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.20: RS-232 straight through cable
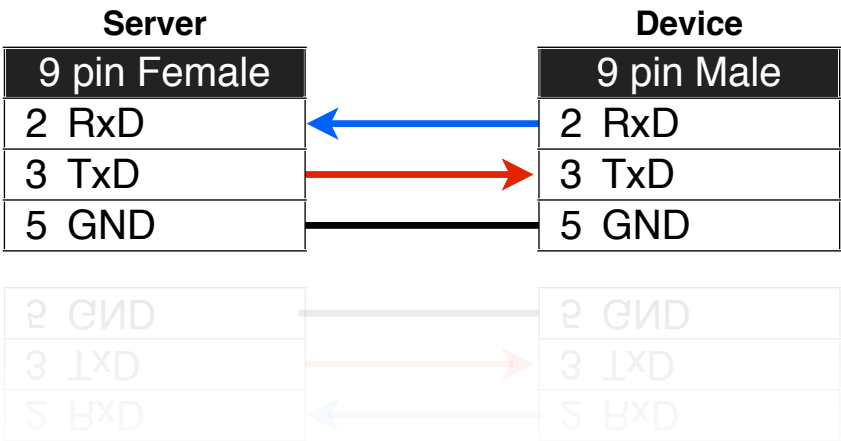
2.23.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.23.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".
Control Module : Select the corresponding Host and Control Module

Example: "localhost : Knox8CM"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "2"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.23.5   Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.24 KnoxProSwitchCM

Controls Knox ProSwitch series routers.

2.24.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Knox Video Technologies. The following models have been tested:

- ProSwitch series

2.24.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.21: RS-232 straight through cable
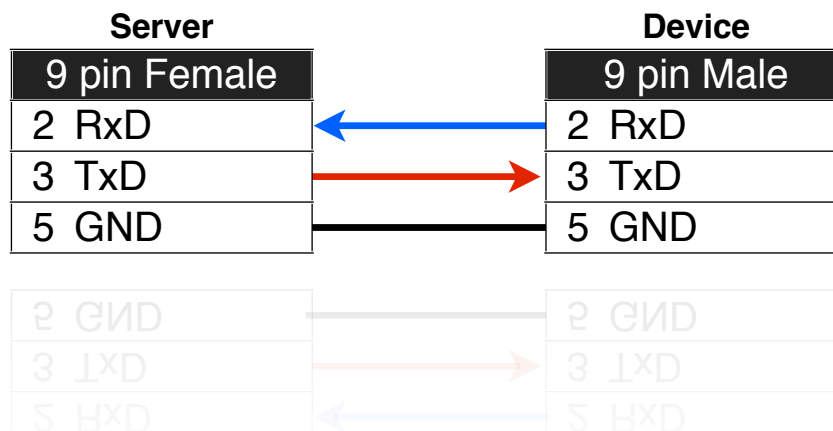
2.24.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate :	9600 baud
Stop Bits :	One
Byte Size :	8 bits
Parity :	None
Flow Control :	None

2.24.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Router`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost : KnoxProSwitchCM`"
Port/IP/Local Path : Enter the serial port to which the device is connected
Example: "`2`"

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<div align="center">

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

</div>

2.24.5   Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.25 KnoxSDICM

Controls SDI souting switchers.

2.25.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Knox Video Technologies. The following models have been tested:

- SDI 8x8

You should disable 'Verbose' mode on the router by setting DIP switch #3 to OFF

2.25.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.22: RS-232 straight through cable
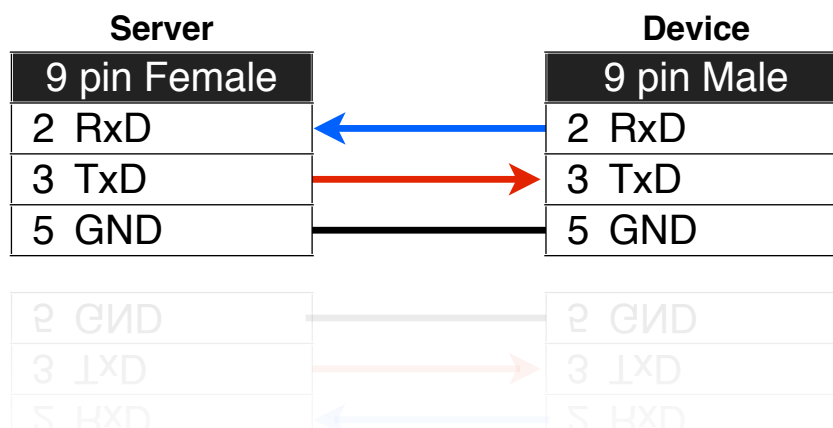
2.25.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate :	9600 baud
Stop Bits :	One
Byte Size :	8 bits
Parity :	None
Flow Control :	None

2.25.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".
Control Module : Select the corresponding Host and Control Module
Example: "localhost : KnoxSDICM"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "2"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.25.5 Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.26 Kramer2000CM

Controls Kramer routers that are controllable using Protocol 2000.

2.26.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Kramer Electronics. The following models have been tested:

- Routers that use 'Protocol 2000'

These routers allow you to set a 'Machine ID', Cablecast always controls Machine ID 1. Please make sure your router is set accordingly. For information on how to change the Machine ID, please consult the router's documentation.

2.26.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

FIGURE 2.23: RS-232 null modem cable

2.26.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

$$\begin{array}{rl}
\textbf{Baud Rate} : & \text{9600 baud} \\
\textbf{Stop Bits} : & \text{One} \\
\textbf{Byte Size} : & \text{8 bits} \\
\textbf{Parity} : & \text{None} \\
\textbf{Flow Control} : & \text{None}
\end{array}$$

2.26.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".

Control Module : Select the corresponding Host and Control
Module

Example: "`localhost : Kramer2000CM`"

Port/IP/Local Path : Enter the serial port to which the device is
connected

Example: "`2`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.26.5 Control Module specific settings

This Control Module has additional settings in the Application Configuration
file. This file can be found at:

D:\\TRMS\Control Modules\TRMS.Services.CablecastDeviceControl.exe.config.

Please double-check any changes you make as a mis-configuration of these
settings could cause your system to stop functioning.

Kramer2000CMOutputs : This setting allows you to set the total num-
ber of outptus on the router (i.e. '8'). If you don't set this, cablecast will
asume there are 100 outputs. Setting this to the actual number of outputs
will make the force menu load faster.

Kramer2000CMUseBreakawayMode : Setting this to 'true' will cause switches to
be executed in breakaway mode. A 'Disable Breakaway' command will be
sent, followed by a 'Switch Video' and a 'Switch Audio'. If set to 'false',
a 'EnableBreakaway' command will be sent, followed by a 'Switch Video'
command.

Kramer2000CMIgnoreBreakawayMode : Setting this to 'true' will cause switches to
be executed as a 'Switch Video' command followed by a 'Switch Audio'
command.

Kramer2000IgnoreAudioEvents : When Kramer2000CMIgnoreBreakawayMode
is set to 'false' and Kramer2000CMUseBreakawayMode is set to 'true', this
will cause the 'Switch Audio' command to be skipped.

2.26.6 Selecting this Control Module for Router control

Location Settings: I/O:
Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set
you previously created from the **CMS that controls the router** pop-down
list.

2.27 LeitchRouterCM

Controls Leitch and Harris routers that use the XY protocol.

2.27.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Leitch (now part of Harris). The following models have been tested:

- Routers that support XY protocol

> The LeitchTerminalProtocolCM may also be able to control your router. If the PortSetting field is defined as an integer serial control will be attempted. Otherwise the PortSetting field will be used as a network address to control the router via TCP IP

2.27.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

FIGURE 2.24: RS-232 null modem cable
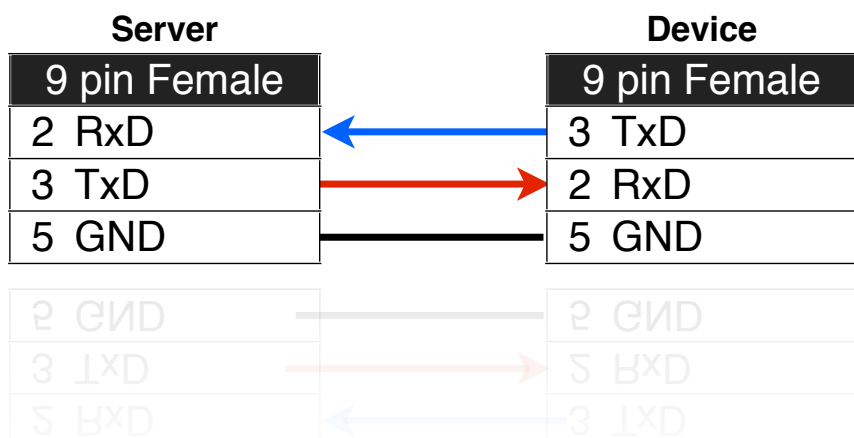
2.27.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.27.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : LeitchRouterCM`"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "`2`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.27.5 Control Module specific settings

This Control Module has additional settings in the Application Configuration file. This file can be found at:

D:\\TRMS\Control Modules\TRMS.Services.CablecastDeviceControl.exe.config.

Please double-check any changes you make as a mis-configuration of these settings could cause your system to stop functioning.

LeitchRouterCM-Levels : Comma delimited list of levels to switch. Example 0,1,2. If "LeitchRouterCM-Outputs" is defined the first defined level will be used for status.

LeitchRouterCM-EnableReporting : Setting this to 'true' will cause an Enable reporting "@ ?∘" command to be sent before router status is requested.

LeitchRouterCM-Outputs : Comma delimited list of outputs to poll for status. If undefined, "@ S?0∘" will be used, which may not be supporte don all devices.

2.27.6 Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.28 LeitchRS12ACM

Controls Videotek or Leitch RS-12A routers.

2.28.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Videotek or Leitch (both now part of Harris). The following models have been tested:

- RS-12A

2.28.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.25: RS-232 straight through cable
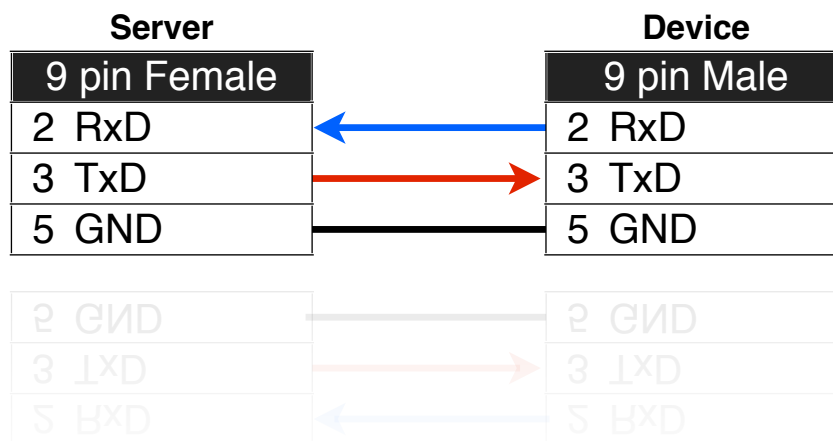
2.28.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 7 bits
Parity : Odd
Flow Control : None

2.28.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".
Control Module : Select the corresponding Host and Control Module
Example: "localhost : LeitchRS12ACM"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "2"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.28.5 Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.29 LeitchTerminalProtocolCM

Controls Leitch and Harris routers that use Leitch Terminal protocol.

2.29.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Leitch (now part of Harris). The following models have been tested:

- Routers that support Leitch Terminal protocol

The LeitchRouterCM may also be able to control your router.

2.29.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

FIGURE 2.26: RS-232 null modem cable

Server		Device	
9 pin Female		**9 pin Female**	
2 RxD	←	3 TxD	
3 TxD	→	2 RxD	
5 GND	—	5 GND	
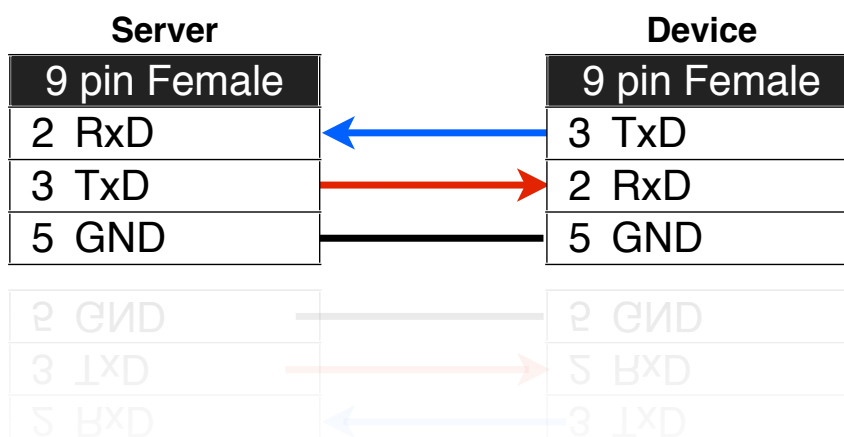
2.29.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.29.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".
Control Module : Select the corresponding Host and Control Module

Example: "localhost : LeitchTerminalProtocolCM"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "2"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.29.5 Control Module specific settings

This Control Module has additional settings in the Application Configuration file. This file can be found at:

D:\\TRMS\Control Modules\TRMS.Services.CablecastDeviceControl.exe.config.

Please double-check any changes you make as a mis-configuration of these settings could cause your system to stop functioning.

LeitchTerminalProtocolCM-Levels : Sets the Level(s) that should be switched

2.29.6 Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.30 LgxMiniTProCM

Controls Mini-T Pro event controllers. Does not support Mini-T NX units.

2.30.1 Supported Devices

This Control Module is for use with event controllers manufacturered by Leightronix. The following models have been tested:

- Mini-T Pro

> The Mini-T Pro is both a routing switcher, and a device controller. The following Device configuration instructions indicate how to configure a generic VTR for control.

2.30.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.27: RS-232 straight through cable

2.30.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.30.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Mini-T Pro".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : LgxMiniTProCM`"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "`2`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.30.5 Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*.

> You don't need to use the built-in routing switcher.

Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.30.6 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.30.7 Device Settings

> This device is both a router and a device controller. The following settings give a general example as to how a device is configured, but your settings will likely be slightly different

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "`Playback only`"

Device Type : "`Generic`"

Wake Device : Enabled if your device enters a power-saving state. We suggest "30" seconds.

Take Delay : We suggest "2" seconds

Post Roll : We suggest "0" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : For ProBus devices: the device ID, such as "3".

Device Formats : Select a suitable format.

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Device End Actions : "`Stop + Rewind`"

Click **Save** to complete the configuration of your new device.

2.31 LgxMVP2000CM

Controls MVP-2000 event controllers.

2.31.1 Supported Devices

This Control Module is for use with devices manufacturered by Leightronix. The following models have been tested:
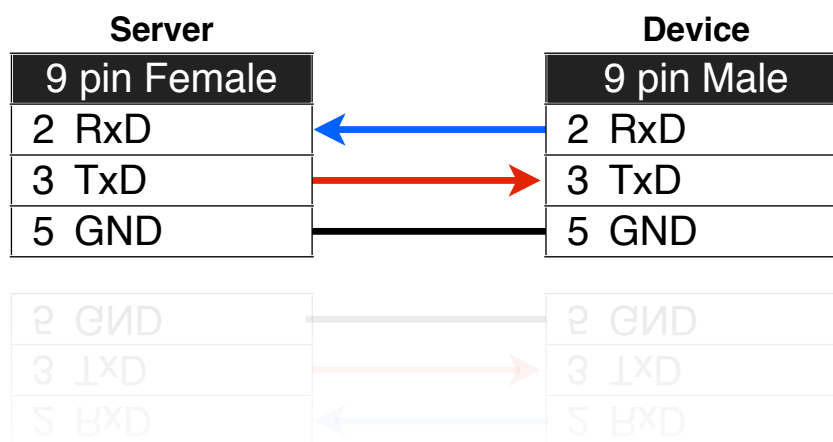
- MVP-2000

Cablecast 5.0 and later only supports the MVP-2000's device control features.

2.31.2 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`MVP-2000`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost : LgxMVP2000CM`"
Port/IP/Local Path : Enter the IP address of the device
Example: "`192.168.1.22`"
Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.31.3 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.31.4 Device Settings

This device is both a router and a device controller. The following settings give a general example as to how a device is configured, but your settings will likely be slightly different

Enter the following information:

Name : A descriptive name for your device
Router Address : The router input to which this device is connected, e.g. "`2`"
Device Function : "`Playback only`"
Device Type : "`Generic`"

Wake Device : Enabled if your device enters a power-saving state. We suggest "30" seconds.

Take Delay : We suggest "0" seconds

Post Roll : We suggest "0" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : For ProBus devices: the device ID, such as "3".

Device Formats : Select a suitable format.

Device End Actions : "`Stop + Rewind`"

Click **Save** to complete the configuration of your new device.

2.32 LgxPro16CM

Controls Pro-16 event controllers.

2.32.1 Supported Devices

This Control Module is for use with event controllers manufacturered by Leightronix. The following models have been tested:

- Pro-16

The Pro-16 is both a routing switcher, and a device controller. The following Device configuration instructions indicate how to configure a generic VTR for control.

2.32.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.28: RS-232 straight through cable

2.32.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

> **Baud Rate** : 9600 baud
> **Stop Bits** : One
> **Byte Size** : 8 bits
> **Parity** : None
> **Flow Control** : None

2.32.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

> **CMS Name** : A descriptive name, such as "Pro-16".

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Control Module : Select the corresponding Host and Control Module

Example: "`localhost  :   LgxPro16CM`"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "`2`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.32.5 Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*.

> You don't need to use the built-in routing switcher.

Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.32.6 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.32.7 Device Settings

> This device is both a router and a device controller. The following settings give a general example as to how a device is configured, but your settings will likely be slightly different

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "`Playback only`"

Device Type : "`Generic`"

Wake Device : Enabled if your device enters a power-saving state. We suggest "30" seconds.

Take Delay : We suggest "2" seconds

Post Roll : We suggest "0" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : For ProBus devices: the device ID, such as "3".

Device Formats : Select a suitable format.

Device End Actions : "`Stop + Rewind`"

Click **Save** to complete the configuration of your new device.

2.33 LgxPro8CM

Controls Pro-8 event controllers.

2.33.1 Supported Devices

This Control Module is for use with event controllers manufacturered by Leightronix. The following models have been tested:
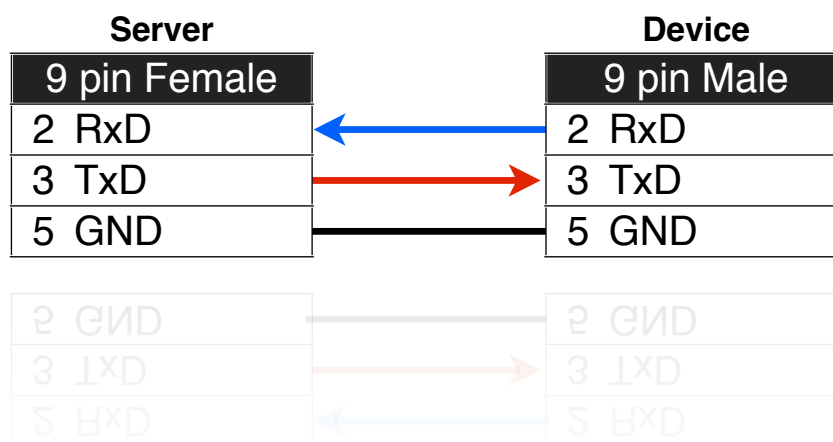
- Pro-8

The Pro-8 is both a routing switcher, and a device controller. The following Device configuration instructions indicate how to configure a generic VTR for control.

2.33.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.29: RS-232 straight through cable
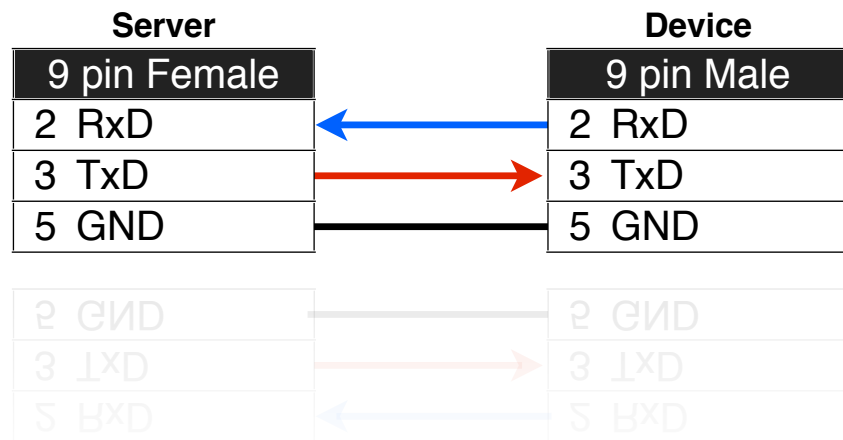
2.33.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

$$
\begin{aligned}
\textbf{Baud Rate} &: \text{9600 baud} \\
\textbf{Stop Bits} &: \text{One} \\
\textbf{Byte Size} &: \text{8 bits} \\
\textbf{Parity} &: \text{None} \\
\textbf{Flow Control} &: \text{None}
\end{aligned}
$$

2.33.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Pro-8".

Control Module : Select the corresponding Host and Control
Module

Example: "`localhost  :   LgxPro8CM`"

Port/IP/Local Path : Enter the serial port to which the device is
connected

Example: "`2`"

Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.33.5   Selecting this Control Module for Router control

Location Settings: I/O:
Router

Navigate to *Location Settings: I/O: Router*.

> You don't need to use the built-in routing switcher.

Select the Control Module Set you previously created from the **CMS that
controls the router** pop-down list.

2.33.6   Creating a Device

Location Settings: I/O:
Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new
device to the bottom of the list, called "`New Input`". Click it to open the
device settings.

2.33.7   Device Settings

> This device is both a router and a device controller. The following settings
> give a general example as to how a device is configured, but your settings
> will likely be slightly different

Enter the following information:

Name : A descriptive name for your device
Router Address : The router input to which this device is con-
nected, e.g. "2"
Device Function : "`Playback only`"
Device Type : "`Generic`"
Wake Device : Enabled if your device enters a power-saving
state. We suggest "30" seconds.
Take Delay : We suggest "2" seconds
Post Roll : We suggest "0" seconds
Device CMS : Select the Control Module Set that you cre-
ated earlier for this device
Device Address : For ProBus devices: the device ID, such as
"3".
Device Formats : Select a suitable format.

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Device End Actions : "`Stop + Rewind`"

Click **Save** to complete the configuration of your new device.

2.34 LgxTCD1000CM

Controls TCD-1000 event controllers.

2.34.1 Supported Devices

This Control Module is for use with devices manufacturered by Leightronix. The following models have been tested:

- TCD-1000

> The TCD-1000 can control multiple devices using it's ProBus and LGX connections..

2.34.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a female DB-25 connector.

FIGURE 2.30: RS-232 9 to 25 pin straight through cable

Server		**Device**	
9 pin Female		**25 pin Male**	
2 RxD	←	3 RxD	
3 TxD	→	2 TxD	
5 GND	—	7 GND	
7 RTS	→	4 RTS	
8 CTS	←	5 CTS	

2.34.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 38400 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.34.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "TCD-1000".

Control Module : Select the corresponding Host and Control Module

Example: "localhost : LgxTCD1000CM"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "2"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.34.5 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "New Input". Click it to open the device settings.

2.34.6 Device Settings

This device is both a router and a device controller. The following settings give a general example as to how a device is configured, but your settings will likely be slightly different

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "Playback only"

Device Type : "Generic"

Wake Device : Enabled if your device enters a power-saving state. We suggest "30" seconds.

Take Delay : We suggest "0" seconds

Post Roll : We suggest "0" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : For ProBus devices: the device ID, such as "3".

Device Formats : Select a suitable format.

Device End Actions : "Stop + Rewind"

Click **Save** to complete the configuration of your new device.

2.35 LgxTCDIPCM

Controls TCD-IP event controllers.

2.35.1 Supported Devices

This Control Module is for use with devices manufacturered by Leightronix. The following models have been tested:

- TCD-IP
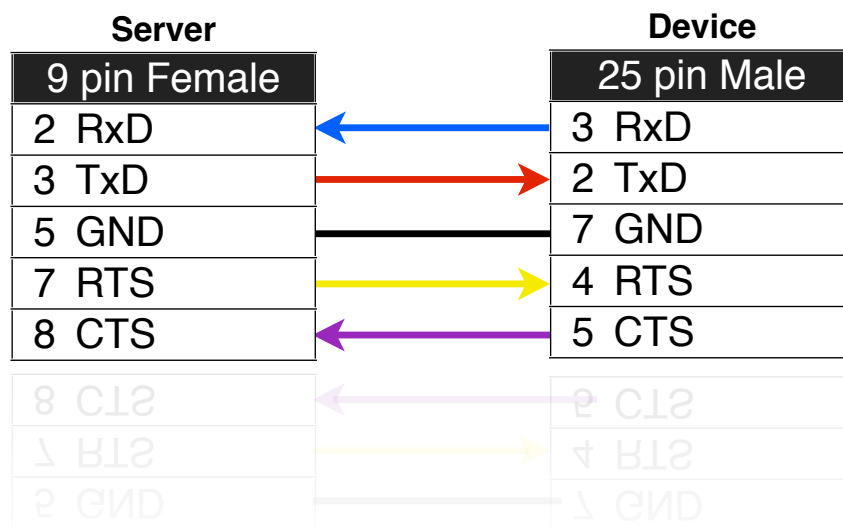
> The TCD-IP is a device controller. The following Device configuration instructions indicate how to configure it to control a generic VTR..

2.35.2 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`TCD-IP`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost : LgxTCDIPCM`"
Port/IP/Local Path : Enter the IP address of the device
Example: "`192.168.1.22`"
Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.35.3 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.35.4 Device Settings

> This device is both a router and a device controller. The following settings give a general example as to how a device is configured, but your settings will likely be slightly different

Enter the following information:

Name : A descriptive name for your device
Router Address : The router input to which this device is connected, e.g. "`2`"
Device Function : "`Playback only`"
Device Type : "`Generic`"

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Wake Device : Enabled if your device enters a power-saving state. We suggest "30" seconds.

Take Delay : We suggest "0" seconds

Post Roll : We suggest "0" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : For ProBus devices: the device ID, e.g. "4". For PlusBus devices: the device symbol, e.g. "PLUSBUS DVDCHG01".

Device Formats : Select a suitable format.

Device End Actions : "Stop + Rewind"

Click **Save** to complete the configuration of your new device.

2.36 LinkAVSCM

Controls AVS series single-output switchers

2.36.1 Supported Devices

This Control Module is for use with video switchers manufacturerd by Link Electronics. The following models have been tested:

- AVS-816

2.36.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.31: RS-232 straight through cable

Server		Device	
9 pin Female		**9 pin Male**	
2	RxD	2	RxD
3	TxD	3	TxD
5	GND	5	GND
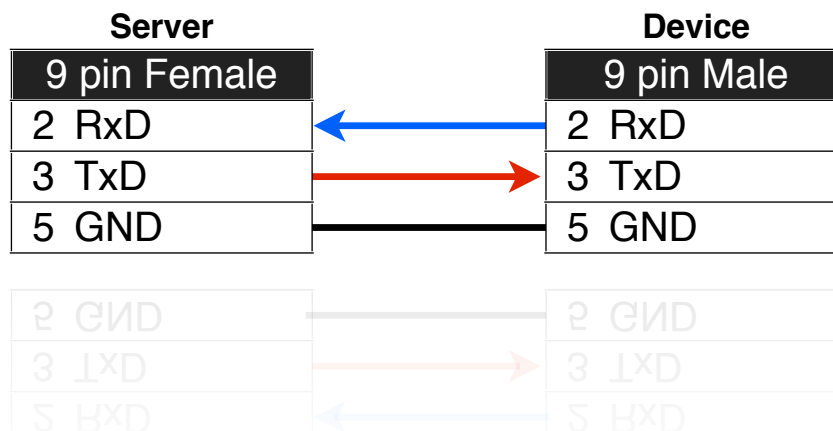
2.36.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.36.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".
Control Module : Select the corresponding Host and Control Module
Example: "localhost : LinkAVSCM"
Port/IP/Local Path : Enter the serial port to which the device is connected
Example: "2"

$$\begin{aligned}\textbf{Network Path} &: \text{Leave blank}\\ \textbf{Auth} &: \text{Leave blank}\\ \textbf{Sync Time} &: \text{OFF}\end{aligned}$$

2.36.5   Selecting this Control Module for Router control

Location Settings: I/O: Router   Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.37 LiveCM

This is a diagnostic control module. It does not control any devices and serves no function aside from development and testing.

2.38 NCBCM

Controls Nevion Routers that use the NCB Protocol

2.38.1 Supported Devices

This Control Module is for use with video switchers manufacturered by
NCB. The following models have been tested:

-

2.38.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device
end of the cable needs a male DE-9 connector.

FIGURE 2.32: RS-232 straight
through cable

Server		Device	
9 pin Female		9 pin Male	
2	RxD	2	RxD
3	TxD	3	TxD
5	GND	5	GND
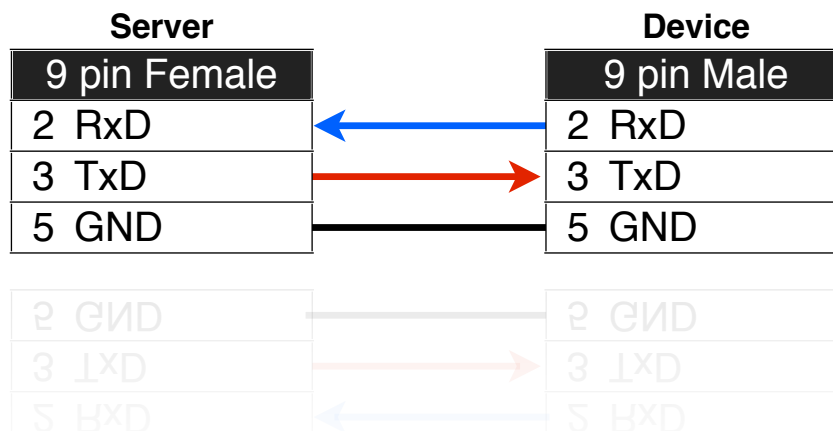
2.38.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its
serial port. Cablecast uses the following settings:

Baud Rate : 19200 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.38.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O:
Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Con-
trol Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".
Control Module : Select the corresponding Host and Control
Module
Example: "localhost : NCBCM"
Port/IP/Local Path : Enter the serial port to which the device is
connected
Example: "2"

$$\begin{aligned}\textbf{Network Path} &: \text{Leave blank}\\\textbf{Auth} &: \text{Leave blank}\\\textbf{Sync Time} &: \text{OFF}\end{aligned}$$

2.38.5 Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.39 NV9000CM

Controls Miranda routers that are controllable using NVision 9000 protocol.

2.39.1 Supported Devices

This Control Module is for use with video switchers manufacturered by NVision. The following models have been tested:

- Routers that use 'NV9000 Prootocol'

2.39.2 Physical Connections

You will need an available RS-422 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

The cable required for this device depends upon what type of RS-422 port you are using.

FIGURE 2.33: Quatech RS-422 cable
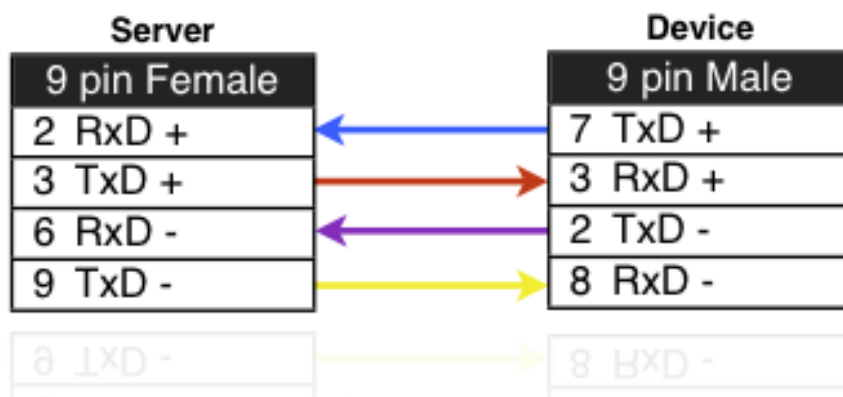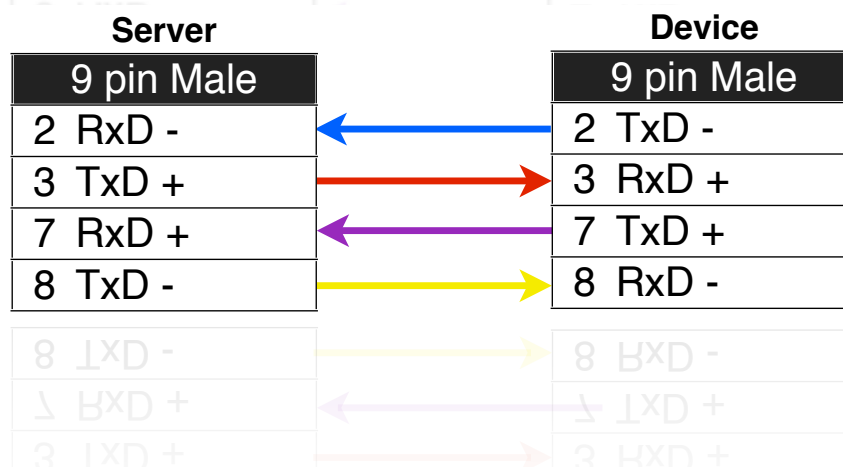

FIGURE 2.34: Blastronix RS-422 cable

2.39.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 38400 baud
Stop Bits : One

$$\begin{aligned} \textbf{Byte Size} &: \text{ 8 bits} \\ \textbf{Parity} &: \text{ None} \\ \textbf{Flow Control} &: \text{ None} \end{aligned}$$

2.39.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".

Control Module : Select the corresponding Host and Control Module

Example: "localhost : NV9000CM"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "2"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.39.5 Control Module specific settings

This Control Module has additional settings in the Application Configuration file. This file can be found at:

D:\\TRMS\Control Modules\TRMS.Services.CablecastDeviceControl.exe.config.

Please double-check any changes you make as a mis-configuration of these settings could cause your system to stop functioning.

NV9000-Outputs : A comma delimted list of outputs to poll for status. Example: 1,4,9

NV9000-Level : Level to which switch and status commands will be addressed.

2.39.6 Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.40 OntrakADRCM

Allows control of contact closure compaitble devices.

2.40.1 Supported Devices

This Control Module is for use with devices manufacturered by Ontrak. The following models have been tested:

- ADR2200
- ADR2205

2.40.2 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 0 bits
Parity : None
Flow Control : None

2.40.3 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets — Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`ADR2200`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost : OntrakADRCM`"
Port/IP/Local Path : Enter the serial port to which the device is connected
Example: "`2`"
Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.41 PanasonicAG5700CM

Controls S-VHS decks from Panasonic.

2.41.1 Supported Devices

This Control Module is for use with timecode VTRs manufacturerd by Panasonic. The following models have been tested:

- AG-5700

The Local/Remote switch on the front panel must be set to Remote

2.41.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DB-25 connector.

FIGURE 2.35: RS-232 9 to 25 pin straight through cable

Server	Device
9 pin Female	**25 pin Male**
2 RxD	3 RxD
3 TxD	2 TxD
5 GND	7 GND
7 RTS	4 RTS
8 CTS	5 CTS

2.41.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 7 bits
Parity : Odd
Flow Control : None

2.41.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Panasonic VTR`".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : PanasonicAG5700CM`"

Port/IP/Local Path : Leave blank

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.41.5   Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.41.6   Device Settings

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "`Playback only`"

Device Type : "`VTR`"

Jump Duration : We suggest "60" seconds

Take Delay : We suggest "2" seconds

Post Roll : We suggest "5" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : The serial port that controls the device, e.g. "2"

Device Formats : Select a suitable format.

Device End Actions : "`Stop + Rewind`"

Click **Save** to complete the configuration of your new device.

2.42 PanasonicAGIA232TCCM

Controls S-VHS decks from Panasonic.

2.42.1 Supported Devices

This Control Module is for use with timecode VTRs manufacturered by Panasonic. The following models have been tested:
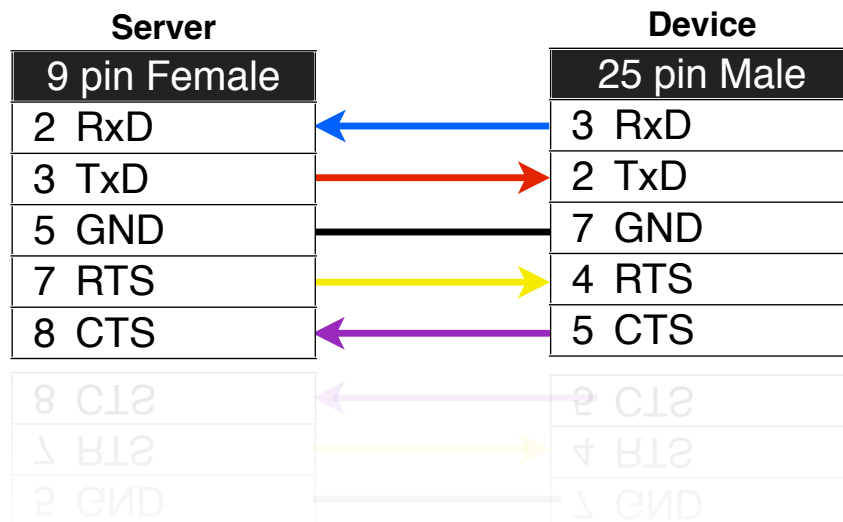
- Decks with the AG-IA232TC Module installed

| The Local/Remote switch on the front panel must be set to Remote |

2.42.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DB-25 connector.

Server	Device
9 pin Female	25 pin Male
2 RxD	3 RxD
3 TxD	2 TxD
5 GND	7 GND
7 RTS	4 RTS
8 CTS	5 CTS

2.42.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 1200 baud
Stop Bits : One
Byte Size : 7 bits
Parity : Odd
Flow Control : None

2.42.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Panasonic VTR`".

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> **Control Module** : Select the corresponding Host and Control Module
>
> *Example:* "`localhost : PanasonicAGIA232TCCM`"
>
> **Port/IP/Local Path** : Leave blank
> **Network Path** : Leave blank
> **Auth** : Leave blank
> **Sync Time** : OFF

2.42.5 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.42.6 Device Settings

Enter the following information:

> **Name** : A descriptive name for your device
> **Router Address** : The router input to which this device is connected, e.g. "2"
> **Device Function** : "`Playback only`"
> **Device Type** : "`VTR`"
> **Jump Duration** : We suggest "60" seconds
> **Take Delay** : We suggest "2" seconds
> **Post Roll** : We suggest "5" seconds
> **Device CMS** : Select the Control Module Set that you created earlier for this device
> **Device Address** : The serial port that controls the device, e.g. "2"
> **Device Formats** : Select a suitable format.
> **Device End Actions** : "`Stop + Rewind`"

Click **Save** to complete the configuration of your new device.

2.43 PanasonicAJD450CM

Controls DVCPRO decks from Panasonic.

2.43.1 Supported Devices

This Control Module is for use with timecode VTRs manufacturerred by Panasonic. The following models have been tested:
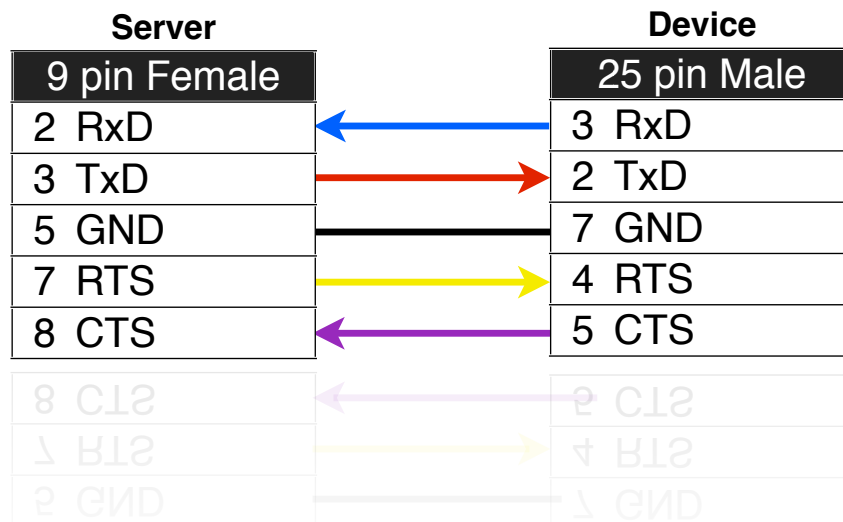
- AJ-DV440P
- AJ-DV450P

The Local/Remote switch on the front panel must be set to Remote

2.43.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DB-25 connector.

FIGURE 2.37: RS-232 9 to 25 pin straight through cable

Server	Device
9 pin Female	**25 pin Male**
2 RxD	3 RxD
3 TxD	2 TxD
5 GND	7 GND
7 RTS	4 RTS
8 CTS	5 CTS
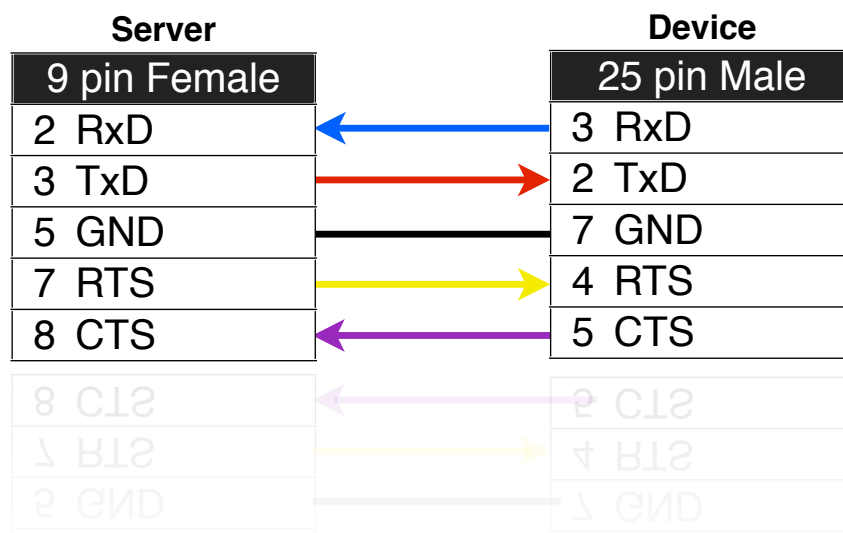
2.43.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.43.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

<div align="right">

CMS Name : A descriptive name, such as "`Panasonic VTR`".

Control Module : Select the corresponding Host and Control Module

</div>

Example: "`localhost : PanasonicAJD450CM`"

<div align="right">

Port/IP/Local Path : Leave blank

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

</div>

2.43.5 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.43.6 Device Settings

Enter the following information:

<div align="right">

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "`Playback only`"

Device Type : "`VTR`"

Jump Duration : We suggest "`60`" seconds

Take Delay : We suggest "`1`" second

Post Roll : We suggest "`5`" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : The serial port that controls the device, e.g. "2"

Device Formats : Select a suitable format.

Device End Actions : "`Stop + Rewind`"

</div>

Click **Save** to complete the configuration of your new device.

2.44 PesaP1CM

Controls Pesa routers that use the P1 protocol.

2.44.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Pesa Switching Systems. The following models have been tested:

- Routers that use the P1 protocol

2.44.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

2.44.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : Hardware

2.44.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets — Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".
Control Module : Select the corresponding Host and Control Module
Example: "localhost : PesaP1CM"
Port/IP/Local Path : Enter the serial port to which the device is connected
Example: "2"
Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.44.5 Control Module specific settings

This Control Module has additional settings in the Application Configuration file. This file can be found at:

D:\\TRMS\Control Modules\TRMS.Services.CablecastDeviceControl.exe.config.

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Please double-check any changes you make as a mis-configuration of these settings could cause your system to stop functioning.

PesaLevels : Defines the number of levels that the router has. For example, a router with video and stereo audio would have 3 levels.

PesaOutputs : Defines the number of outputs that the router has. Status will only be requested for this many outputs. If your router is 8x8, set this to 8.

2.44.6   Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.45 PioneerDVDV5000CM

Controls DVD Players from Pioneer.

2.45.1 Supported Devices

This Control Module is for use with DVD players manufacturered by Pioneer Electronics. The following models have been tested:

- DVD-V5000

There is a menu setting that should be checked. With no disc in the player, press and hold the HOME MENU button until the settings menu comes up. Ensure that 9-pin is selected for SERIAL PORT, and that the BAUD RATE is set to 19200

2.45.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

FIGURE 2.38: RS-232 null modem cable
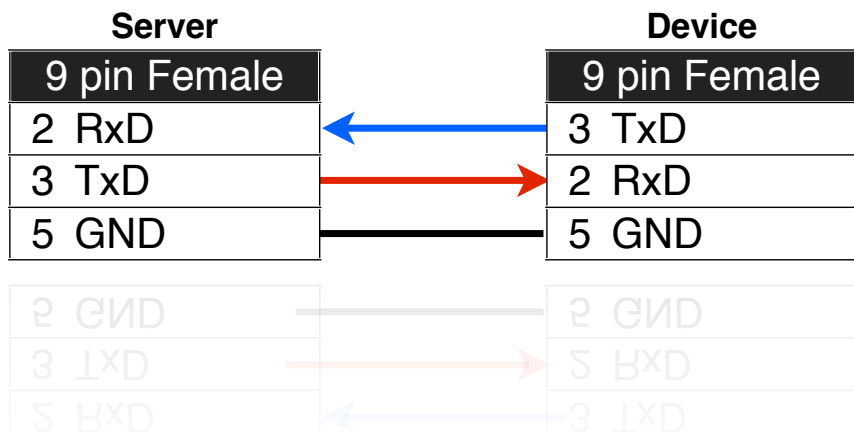
2.45.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

$$
\begin{array}{rl}
\textbf{Baud Rate} : & \text{19200 baud} \\
\textbf{Stop Bits} : & \text{One} \\
\textbf{Byte Size} : & \text{8 bits} \\
\textbf{Parity} : & \text{None} \\
\textbf{Flow Control} : & \text{None}
\end{array}
$$

2.45.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Pioneer Electronics DVD".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : PioneerDVDV5000CM`"

Port/IP/Local Path : Leave blank

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.45.5 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.45.6 Device Settings

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "`Playback only`"

Device Type : "`DVD`"

Jump Duration : We suggest "15" seconds

Take Delay : We suggest "1" second

Post Roll : We suggest "5" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : The serial port that controls the device, e.g. "2"

Device Formats : Select a suitable format.

Device End Actions : "`Stop`"

Click **Save** to complete the configuration of your new device.

2.46 PioneerDVDV7400CM

Controls Industrial DVD Players decks from Pioneer.

2.46.1 Supported Devices

This Control Module is for use with DVD players manufacturered by Pioneer Electronics. The following models have been tested:
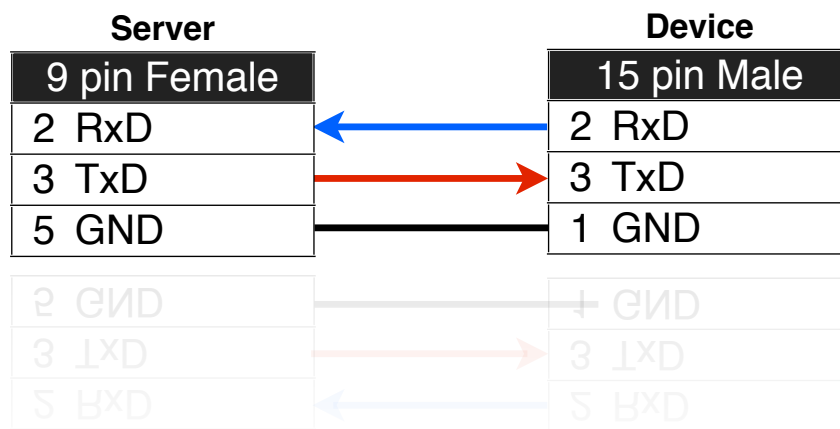
- DVD-V7400

> There is a menu setting that should be checked. Press and hold the SETUP button for one second, the ADVSETUP menu should appear. Ensure that BAUD RATE is set to 4800bps

2.46.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DA-15 connector.

FIGURE 2.39: Pioneer RS-232 cable

2.46.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

$$
\begin{aligned}
\textbf{Baud Rate} &: \text{4800 baud} \\
\textbf{Stop Bits} &: \text{One} \\
\textbf{Byte Size} &: \text{8 bits} \\
\textbf{Parity} &: \text{None} \\
\textbf{Flow Control} &: \text{None}
\end{aligned}
$$

2.46.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

       CMS Name : A descriptive name, such as "`Pioneer Electronics DVD`".

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Control Module : Select the corresponding Host and Control Module

Example: "`localhost : PioneerDVDV7400CM`"

Port/IP/Local Path : Leave blank

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.46.5 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.46.6 Device Settings

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "`Playback only`"

Device Type : "`DVD`"

Jump Duration : We suggest "15" seconds

Take Delay : We suggest "1" second

Post Roll : We suggest "5" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : The serial port that controls the device, e.g. "2"

Device Formats : Select a suitable format.

Device End Actions : "`Stop`"

Click **Save** to complete the configuration of your new device.

2.47 PioneerDVF07CM

Controls DV-F07 300 disc DVD changers.

2.47.1 Supported Devices

This Control Module is for use with DVD changers manufacturered by Pioneer Electronics. The following models have been tested:
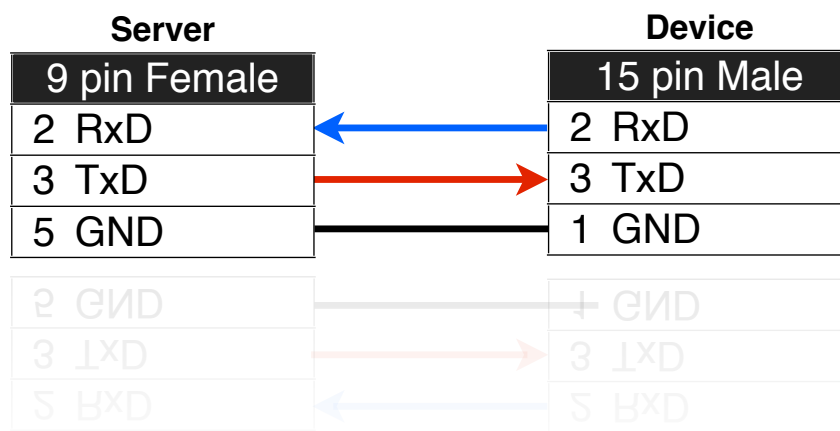
- DV-F07

> Stick-on DVD labels will cause serious damage to your DVD changer. We strongly suggest purchasing printable DVDs.

2.47.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DA-15 connector.

FIGURE 2.40: Pioneer RS-232 cable

2.47.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.47.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Pioneer Electronics DVD Changer`".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : PioneerDVF07CM`"

Port/IP/Local Path : Leave blank
Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.47.5 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.47.6 Device Settings

Enter the following information:

Name : A descriptive name for your device
Router Address : The router input to which this device is connected, e.g. "2"
Device Function : "`Playback only`"
Device Type : "`DVD(Multidisc)`"
Load Duration : We suggest "45" seconds
Jump Duration : We suggest "15" seconds
Take Delay : We suggest "2" seconds
Post Roll : We suggest "5" seconds
Device CMS : Select the Control Module Set that you created earlier for this device
Device Slots : "1" to "300"
Device Address : The serial port that controls the device, e.g. "2"
Device Formats : Select a suitable format.
Device End Actions : "`Stop`"

Click **Save** to complete the configuration of your new device.

2.48 RossAVMCM

Controls Ross AVM switchers.

2.48.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Ross Video. The following models have been tested:

- All AVM switchers

2.48.2 Physical Connections

You will need an available RS-422 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

The cable required for this device depends upon what type of RS-422 port you are using.

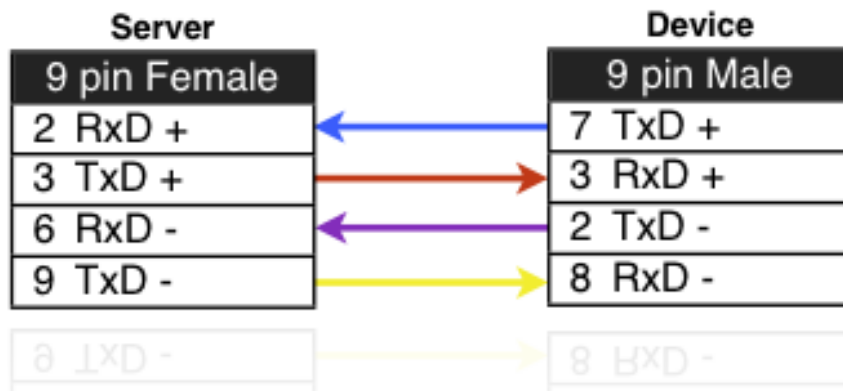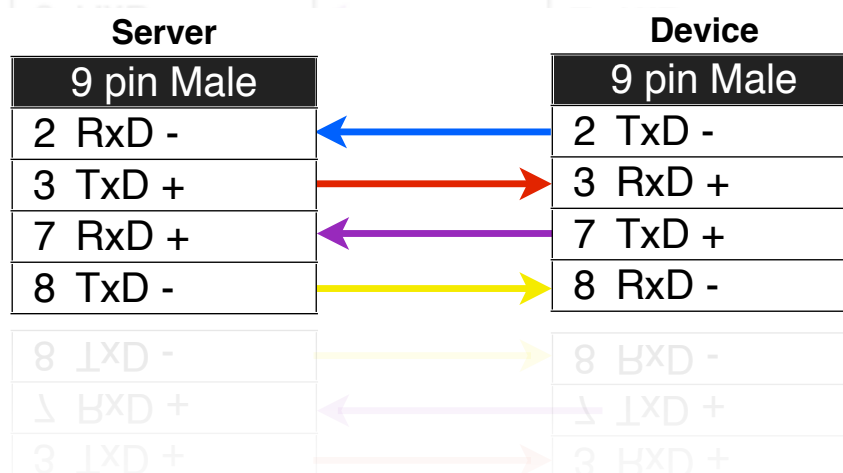**FIGURE 2.41:** Quatech RS-422 cable

FIGURE 2.42: Blastronix RS-422 cable

2.48.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 38400 baud
Stop Bits : One
Byte Size : 8 bits

<div align="center">

Parity : Odd

Flow Control : None

</div>

2.48.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets   Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

<div align="center">

CMS Name : A descriptive name, such as "`Router`".

Control Module : Select the corresponding Host and Control Module

</div>

Example: "`localhost : RossAVMCM`"

<div align="center">

Port/IP/Local Path : Enter the serial port to which the device is connected

</div>

Example: "`2`"

<div align="center">

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

</div>

2.48.5 Selecting this Control Module for Router control

Location Settings: I/O: Router   Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.49 ShellCM

This Control Module will run a user-created program when every event occurs. It will pass relevant information to the program so that the appropriate action can be taken. For more information, please contact TRMS support.

2.50 SierraSVSCM

Controls Sierra routers that use the SVS protocol.

2.50.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Sierra Video Systems. The following models have been tested:

- All routers that use the SVS protocol

> Newer Sierra routers use a standard straight-through serial cable for control. We suggest you try that first, if it does not work, you may need to build the custom cable outlined below.

2.50.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.43: Sierra RS-232 cable

Server	Router
9 pin Female	**9 pin Male**
2 RxD	2 TxD
3 TxD	8 RxD
5 GND	1 GND
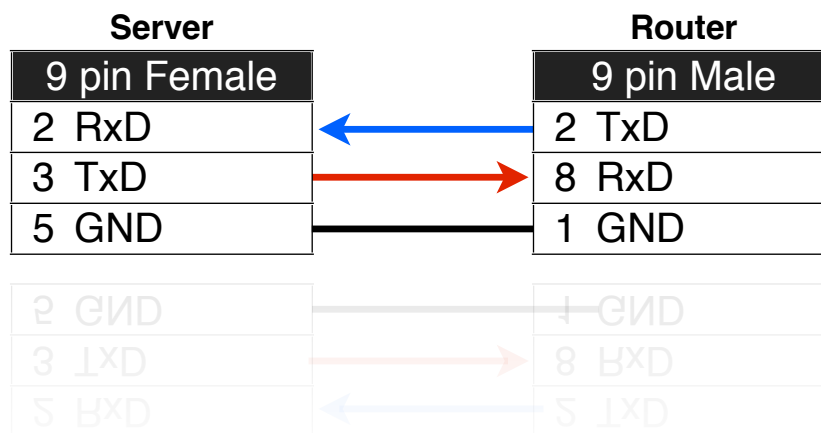
2.50.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate :	9600 baud
Stop Bits :	One
Byte Size :	8 bits
Parity :	None
Flow Control :	None

2.50.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : SierraSVSCM`"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "`2`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.50.5 Control Module specific settings

This Control Module has additional settings in the Application Configuration file. This file can be found at:

D:\\TRMS\Control Modules\TRMS.Services.CablecastDeviceControl.exe.config.

Please double-check any changes you make as a mis-configuration of these settings could cause your system to stop functioning.

SierraSVS-Levels : Sets the levels that should be included in switch commands and status requests. Setting this to 0 will switch all levels. Otherwise, you can specify a comma-delimited list of levels, such as 1,2,4 for levels 1, 2 and 4.

2.50.6 Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.51 SigmaSCICM

Controls Sigma routers that use the SCI protocol.

2.51.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Sigma Technology Systems. The following models have been tested:

- All routers that use the SCI protocol

2.51.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.44: RS-232 null modem cable
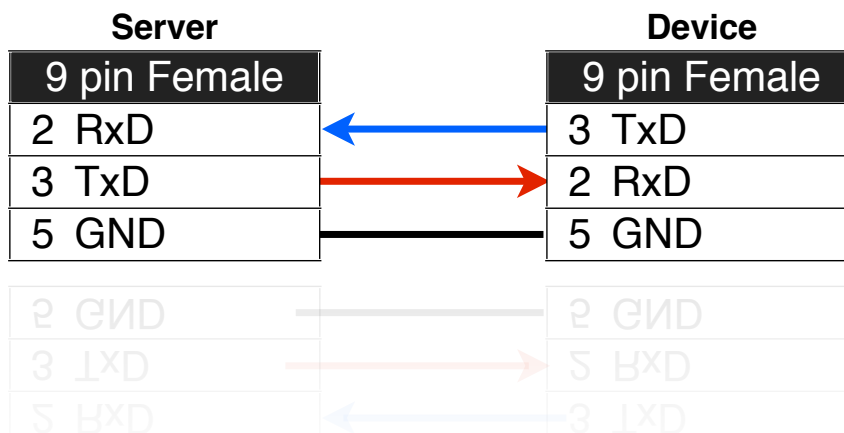
2.51.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate :	9600 baud
Stop Bits :	One
Byte Size :	8 bits
Parity :	None
Flow Control :	None

2.51.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Router`".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : SigmaSCICM`"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "`2`"

$$\textbf{Network Path} : \text{Leave blank}$$
$$\textbf{Auth} : \text{Leave blank}$$
$$\textbf{Sync Time} : \text{OFF}$$

2.51.5 Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.52   SnellSWP02CM

Controls all routers that use the Snell General Switcher Communication Protocol

2.52.1   Supported Devices

This Control Module is for use with video switchers manufacturered by Snell (formerly Snell and Wilcox, Pro-Bel). The following models have been tested:

- Vega series

2.52.2   Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets   Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Router`".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : SnellSWP02CM`"

Port/IP/Local Path : Enter the IP address of the device

Example: "`192.168.1.22`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.52.3   Control Module specific settings

This Control Module has additional settings in the Application Configuration file. This file can be found at:

D:\\TRMS\Control Modules\TRMS.Services.CablecastDeviceControl.exe.config.

Please double-check any changes you make as a mis-configuration of these settings could cause your system to stop functioning.

SnellSWP02CMFirstOutput : Defines the one-based address of the first output on the router. For most routers this should be set to 1. For Vega routers the value depends on configuration

SnellSWP02CMLastOutput : Defines the one-based address of the last output on the router. For most routers this will be set to the number of outputs, e.g. 32. For Vega routers the value depends on configuration

2.52.4   Selecting this Control Module for Router control

Location Settings: I/O: Router   Navigate to *Location Settings: I/O: Router*. Select the Control Module Set

you previously created from the **CMS that controls the router** pop-down list.

2.53 SonyBDP7000CM

Controls BDP-CX7000ES 400 disc Blu-ray changers.

2.53.1 Supported Devices

This Control Module is for use with DVD changers manufacturered by Sony. The following models have been tested:
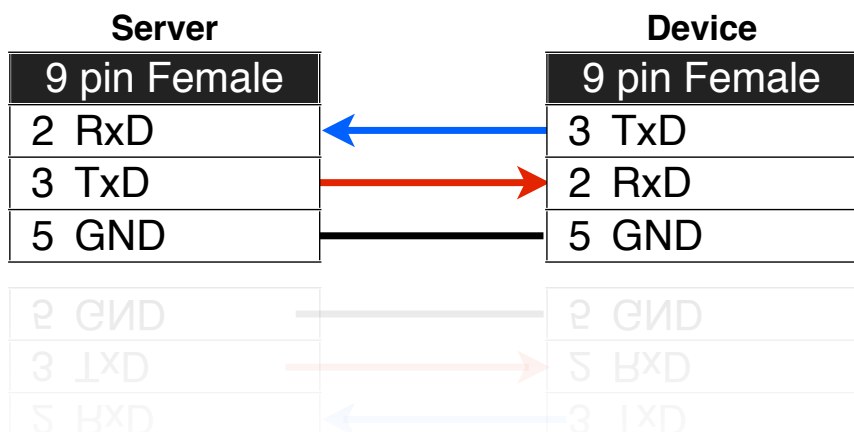
- BDP-CX7000ES

> Stick-on DVD labels will cause serious damage to your DVD changer. We strongly suggest purchasing printable DVDs.

2.53.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

FIGURE 2.45: RS-232 null modem cable

2.53.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

$$
\begin{array}{rl}
\textbf{Baud Rate} : & \text{9600 baud} \\
\textbf{Stop Bits} : & \text{One} \\
\textbf{Byte Size} : & \text{8 bits} \\
\textbf{Parity} : & \text{None} \\
\textbf{Flow Control} : & \text{None}
\end{array}
$$

2.53.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Sony DVD Changer`".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : SonyBDP7000CM`"

$$\textbf{Port/IP/Local Path}:\text{ Leave blank}$$
$$\textbf{Network Path}:\text{ Leave blank}$$
$$\textbf{Auth}:\text{ Leave blank}$$
$$\textbf{Sync Time}:\text{ OFF}$$

2.53.5 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.53.6 Device Settings

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "`Playback only`"

Device Type : "`DVD(Multidisc)`"

Load Duration : We suggest "`45`" seconds

Jump Duration : We suggest "`15`" seconds

Take Delay : We suggest "`3`" seconds

Post Roll : We suggest "`5`" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Slots : "`1`" to "`400`"

Device Address : The serial port that controls the device, e.g. "2"

Device Formats : Select a suitable format.

Device End Actions : "`Stop`"

Click **Save** to complete the configuration of your new device.

2.54 SonyDSR45CM

Controls DVCAM decks from Sony.

2.54.1 Supported Devices

This Control Module is for use with timecode VTRs manufacturered by Sony. The following models have been tested:
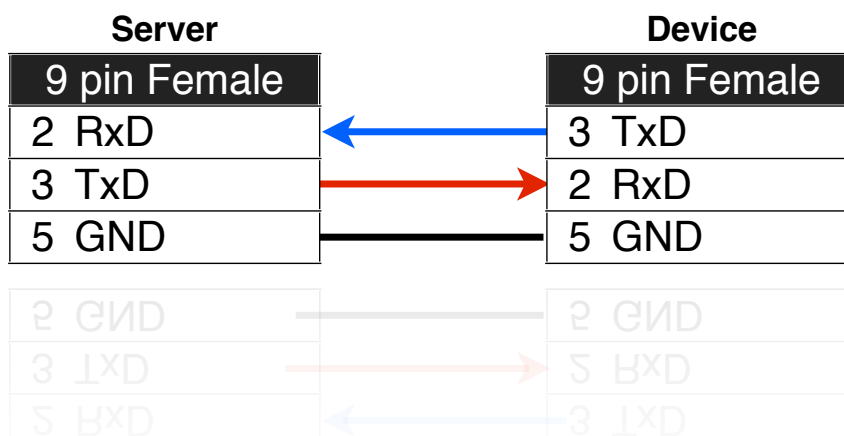
- DSR-45

The rear-panel REMOTE switch must be set to RS-232C. The front-panel REMOTE/LOCAL switch must be set to REMOTE.

2.54.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

FIGURE 2.46: RS-232 null modem cable

2.54.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

$$
\begin{array}{rl}
\textbf{Baud Rate}: & \text{9600 baud} \\
\textbf{Stop Bits}: & \text{One} \\
\textbf{Byte Size}: & \text{8 bits} \\
\textbf{Parity}: & \text{None} \\
\textbf{Flow Control}: & \text{None}
\end{array}
$$

2.54.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Sony VTR".
Control Module : Select the corresponding Host and Control Module
Example: "localhost : SonyDSR45CM"

$$\begin{array}{r} \textbf{Port/IP/Local Path} : \text{Leave blank} \\ \textbf{Network Path} : \text{Leave blank} \\ \textbf{Auth} : \text{Leave blank} \\ \textbf{Sync Time} : \text{OFF} \end{array}$$

2.54.5   Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.54.6   Device Settings

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "`Playback only`"

Device Type : "`VTR`"

Jump Duration : We suggest "`60`" seconds

Take Delay : We suggest "`1`" second

Post Roll : We suggest "`5`" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : The serial port that controls the device, e.g. "2"

Device Formats : Select a suitable format.

Device End Actions : "`Stop + Rewind`"

Click **Save** to complete the configuration of your new device.

2.55 SonyDVP777CM

Controls DVP-CX777ES 400 disc DVD changers.

2.55.1 Supported Devices

This Control Module is for use with DVD changers manufacturered by Sony. The following models have been tested:

- DVP-CX777ES

> Stick-on DVD labels will cause serious damage to your DVD changer. We strongly suggest purchasing printable DVDs.

2.55.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

FIGURE 2.47: RS-232 null modem cable

Server	Device
9 pin Female	**9 pin Female**
2 RxD	3 TxD
3 TxD	2 RxD
5 GND	5 GND
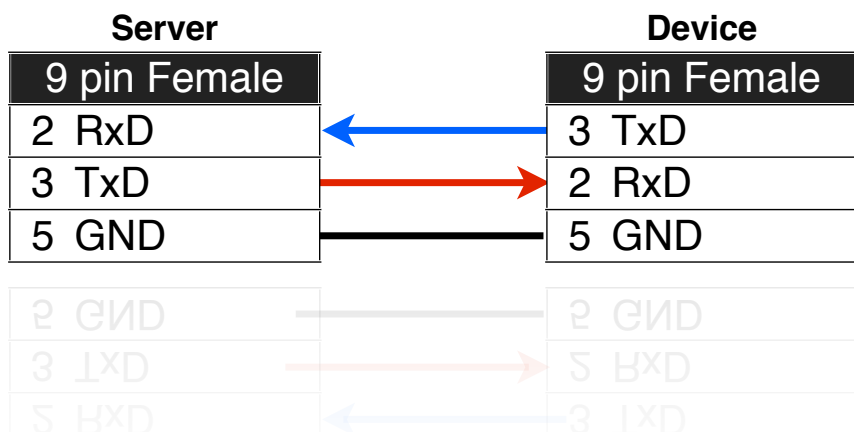
2.55.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

> **Baud Rate** : 9600 baud
> **Stop Bits** : One
> **Byte Size** : 8 bits
> **Parity** : None
> **Flow Control** : None

2.55.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

> **CMS Name** : A descriptive name, such as "`Sony DVD Changer`".
> **Control Module** : Select the corresponding Host and Control Module

Example: "`localhost :  SonyDVP777CM`"

$$\begin{aligned}
\textbf{Port/IP/Local Path} &: \text{Leave blank} \\
\textbf{Network Path} &: \text{Leave blank} \\
\textbf{Auth} &: \text{Leave blank} \\
\textbf{Sync Time} &: \text{OFF}
\end{aligned}$$

2.55.5 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.55.6 Device Settings

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "`Playback only`"

Device Type : "`DVD(Multidisc)`"

Load Duration : We suggest "45" seconds

Jump Duration : We suggest "15" seconds

Take Delay : We suggest "3" seconds

Post Roll : We suggest "5" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Slots : "1" to "400"

Device Address : The serial port that controls the device, e.g. "2"

Device Formats : Select a suitable format.

Device End Actions : "`Stop`"

Click **Save** to complete the configuration of your new device.

2.56 SXEncoderCM

Controls the built-in encoders in SX series video servers.

2.56.1 Supported Devices

This Control Module is for use with digital video encoders manufacturered by Tightrope Media Systems. The following models have been tested:

- SX-2
- SX-2HD
- SX-4
- SX-LE

2.56.2 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Encoder`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost : SXEncoderCM`"
Port/IP/Local Path : Enther the drive to which this video server should record
Example: "`E:\`"
Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.56.3 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.56.4 Device Settings

Enter the following information:

Name : A descriptive name for your device
Device Function : "`Record only`"
Device Type : "`Digital File`"
Take Delay : We suggest "`0`" seconds
Post Roll : We suggest "`0`" seconds
Device CMS : Select the Control Module Set that you created earlier for this device
Device Address : The encoder that this device represents, "`0`" or "`1`"

Device Formats : Select a suitable format.

Device End Actions : "`StopRecord`"

Router Output : The router output to which this device is connected, e.g. "`3`"

Record Quality : Select what codec you want to use for recordings on this device

Record Copy UNC : Leave blank. See the Cablecast manual for more information.

Click **Save** to complete the configuration of your new device.

2.57 GenericNetworkEncoderCM

Controls the built-in network stream encoders in Flex series video servers.

2.57.1 Supported Devices

This Control Module is for use with digital video encoders manufacturered by Tightrope Media Systems. The following models have been tested:

- Flex 2
- Flex 4
- Flex Lite

2.57.2 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Encoder`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost :  GenericNetworkEncoderCM`"
Port/IP/Local Path : Enther the drive to which this video server should record
Example: "`E:\`"
Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.57.3 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.57.4 Device Settings

Enter the following information:

Name : A descriptive name for your device
Device Function : "`Record only`"
Device Type : "`Digital File`"
Take Delay : We suggest "`0`" seconds
Post Roll : We suggest "`0`" seconds
Device CMS : Select the Control Module Set that you created earlier for this device
Device Address : The network encoder that this device represents, starting with "`0`"
Device Formats : Select a suitable format.

Device End Actions : "StopRecord"

Record Quality : Select what codec you want to use for recordings on this device

Record Copy UNC : Leave blank. See the Cablecast manual for more information.

Click **Save** to complete the configuration of your new device.

2.58 SXNetworkEncoderCM

Controls the built-in network stream encoders in Flex series video servers.

2.58.1 Supported Devices

This Control Module is for use with digital video encoders manufacturered by Tightrope Media Systems. The following models have been tested:

- Flex 2
- Flex 4
- Flex Lite

2.58.2 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Encoder`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost :  SXNetworkEncoderCM`"
Port/IP/Local Path : Enther the drive to which this video server should record
Example: "`E:\`"
Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.58.3 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.58.4 Device Settings

Enter the following information:

Name : A descriptive name for your device
Device Function : "`Record only`"
Device Type : "`Digital File`"
Take Delay : We suggest "`0`" seconds
Post Roll : We suggest "`0`" seconds
Device CMS : Select the Control Module Set that you created earlier for this device
Device Address : The network encoder that this device represents, starting with "`0`"
Device Formats : Select a suitable format.

Device End Actions : "`StopRecord`"

Record Quality : Select what codec you want to use for recordings on this device

Record Copy UNC : Leave blank. See the Cablecast manual for more information.

Click **Save** to complete the configuration of your new device.

2.59 SXPlayerCM

Controls the video decoders in the SX series video servers.

2.59.1 Supported Devices

This Control Module is for use with digital video servers manufacturered by Tightrope Media Systems. The following models have been tested:

- SX-2
- SX-2HD
- SX-4
- SX-LE

2.59.2 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Server Playback`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost : SXPlayerCM`"
Port/IP/Local Path : Enter the content drive or drives that this video server will play from, multiple drives should be separated by a pipe character
Example: "`E:\|F:\`"
Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.59.3 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.59.4 Device Settings

Enter the following information:

Name : A descriptive name for your device
Router Address : The router input to which this device is connected, e.g. "2"
Device Function : "`Playback only`"
Device Type : "`Digital File`"
Take Delay : We suggest "0" seconds
Post Roll : We suggest "0" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : The playback channel that this device represents, starting with "0"

Device Formats : Select a suitable format.

Device End Actions : "None"

Click **Save** to complete the configuration of your new device.

2.60 TascamBDR2000CM

Controls DVD and Blueray playback on Tascam BD-R2000

2.60.1 Supported Devices

This Control Module is for use with DVD players manufacturered by Tascam. The following models have been tested:
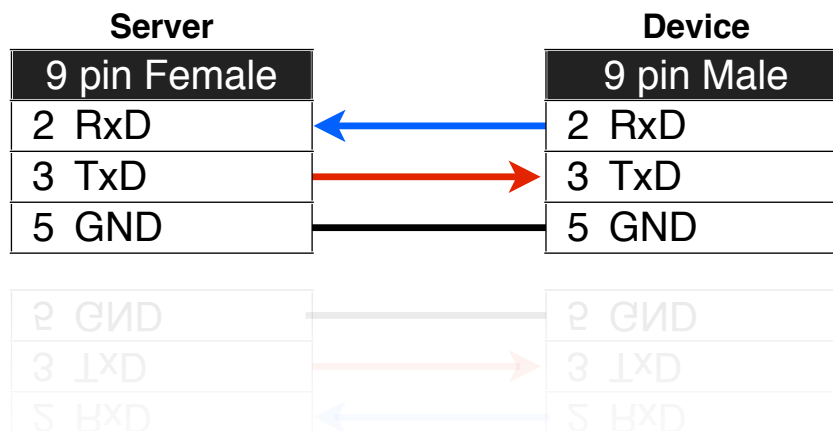
- DSR-45

Set QUICK STARTUP to ON in device menu.

2.60.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

FIGURE 2.48: RS-232 straight through cable

Server	Device
9 pin Female	**9 pin Male**
2 RxD	2 RxD
3 TxD	3 TxD
5 GND	5 GND

2.60.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : Odd
Flow Control : None

2.60.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Tascam DVD".
Control Module : Select the corresponding Host and Control Module

Example: "localhost : TascamBDR2000CM"
Port/IP/Local Path : Leave blank

$$\begin{array}{rl}
\textbf{Network Path} : & \text{Leave blank} \\
\textbf{Auth} : & \text{Leave blank} \\
\textbf{Sync Time} : & \text{OFF}
\end{array}$$

2.60.5 Creating a Device

Location Settings: I/O: Devices   Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.60.6 Device Settings

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "`Playback only`"

Device Type : "`DVD`"

Jump Duration : We suggest "60" seconds

Take Delay : We suggest "1" second

Post Roll : We suggest "5" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : The serial port that controls the device, e.g. "2"

Device Formats : Select a suitable format.

Device End Actions : "`Stop`"

Click **Save** to complete the configuration of your new device.

2.61 TascamDVD6500CM

Controls Industrial DVD Players decks from Tascam.

2.61.1 Supported Devices

This Control Module is for use with DVD players manufacturered by Tascam. The following models have been tested:

- DV-D01U
- DV-D6500

2.61.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

FIGURE 2.49: RS-232 null modem cable

Server	Device
9 pin Female	**9 pin Female**
2 RxD	3 TxD
3 TxD	2 RxD
5 GND	5 GND
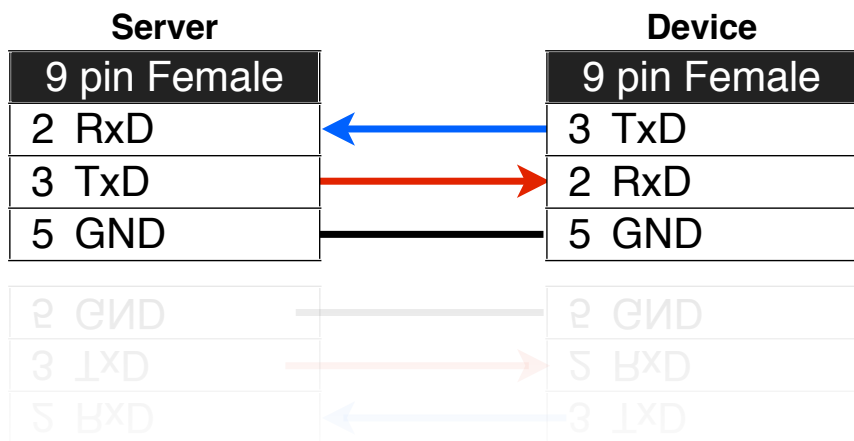
2.61.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.61.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Tascam DVD`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost :  TascamDVD6500CM`"

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Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "2"

Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.61.5 Creating a Device

Location Settings: I/O: Devices   Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "New Input". Click it to open the device settings.

2.61.6 Device Settings

Enter the following information:

Name : A descriptive name for your device
Router Address : The router input to which this device is connected, e.g. "2"
Device Function : "Playback only"
Device Type : "DVD"
Jump Duration : We suggest "15" seconds
Take Delay : We suggest "1" second
Post Roll : We suggest "5" seconds
Device CMS : Select the Control Module Set that you created earlier for this device
Device Address : Leave blank
Device Formats : Select a suitable format.
Device End Actions : "Stop"

Click **Save** to complete the configuration of your new device.

2.62 TRMSCBLRS422CM

Controls VTRs and other devices that support the Sony RS422 protocol.

2.62.1 Supported Devices

This Control Module is for use with timecode VTRs manufacturered by various manufacturers that support the Sony RS422 protocol. The following models have been tested:

- Sony DSR-1500
- Sony DSR-2000
- Sony DSR-45

2.62.2 Physical Connections

You will need an available RS-422 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

The cable required for this device depends upon what type of RS-422 port you are using.

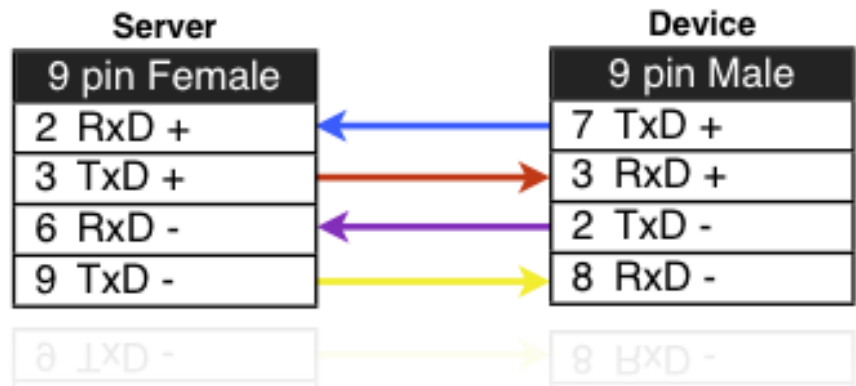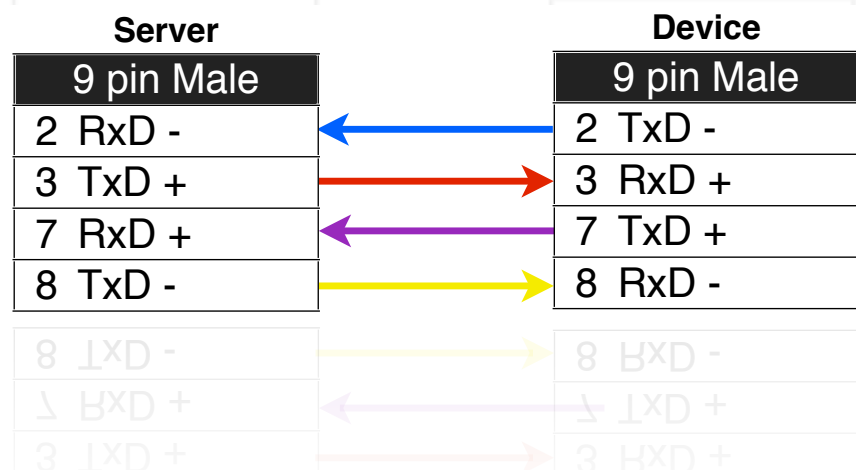FIGURE 2.50: Quatech RS-422 cable

FIGURE 2.51: Blastronix RS-422 cable

2.62.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

<div align="right">

Baud Rate : 38400 baud

Stop Bits : One

Byte Size : 8 bits

Parity : Odd

Flow Control : None

</div>

2.62.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`various manufacturers that support the Sony RS422 protocol VTR`".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost : TRMSCBLRS422CM`"

Port/IP/Local Path : Leave blank

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.62.5 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.62.6 Device Settings

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "`Playback only`"

Device Type : "`VTR`"

Jump Duration : We suggest "60" seconds

Take Delay : We suggest "1" second

Post Roll : We suggest "5" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : The serial port that controls the device, e.g. "2"

Device Formats : Select a suitable format.

Device End Actions : "`Stop + Rewind`"

Click **Save** to complete the configuration of your new device.

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2.63 TRMSIR4CM

Controls the IR-4 IR Expander. This unit is used to control up to four IR devices

2.63.1 Supported Devices

This Control Module is for use with devices manufacturered by Tightrope Media Systems. The following models have been tested:

- IR-4

> You need to use the IR Learner application to learn the appropriate commands for your devices before this Control Module will work. This application can be found in D:\TRMS\ Tools.

2.63.2 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets — Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "IR-4".
Control Module : Select the corresponding Host and Control Module
Example: "localhost : TRMSIR4CM"
Port/IP/Local Path : Enter the serial port to which the device is connected
Example: "2"
Network Path : Leave blank
Auth : Leave blank
Sync Time : OFF

2.63.3 Creating a Device

Location Settings: I/O: Devices — Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "New Input". Click it to open the device settings.

2.63.4 Device Settings

> This device is both a router and a device controller. The following settings give a general example as to how a device is configured, but your settings will likely be slightly different

Enter the following information:

Name : A descriptive name for your device

Router Address : The router input to which this device is connected, e.g. "2"

Device Function : "`Playback only`"

Device Type : "`Generic`"

Wake Device : Enabled if your device enters a power-saving state. We suggest "30" seconds.

Take Delay : We suggest "0" seconds

Post Roll : We suggest "0" seconds

Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : The IR port to which the deck is connected, "`1`" ... "`4`"

Device Formats : Select a suitable format.

Device End Actions : "`Stop + Rewind`"

Click **Save** to complete the configuration of your new device.

2.64 TRMSRelayCM

Uses the RTS line of the serial port to control external devices. A Play event
will set RTS, a Stop event will clear it

2.65 UtahScientificRCP1CM

Controls Utah routers that use the RCP1 protocol.

2.65.1 Supported Devices

This Control Module is for use with video switchers manufacturered by Utah Scientific. The following models have been tested:

- Routers that use the RCP1 protocol

Your router's control board may have a jumper that selects the serial port mode, you should set it to RS-232. For 100x series routers, you must use a DB9 null-modem cable with ONLY pins 2,3 and 5 wired.

2.65.2 Physical Connections

You will need an available RS-232 port, and an appropriate cable. The device end of the cable needs a male DE-9 connector.

FIGURE 2.52: RS-232 straight through cable
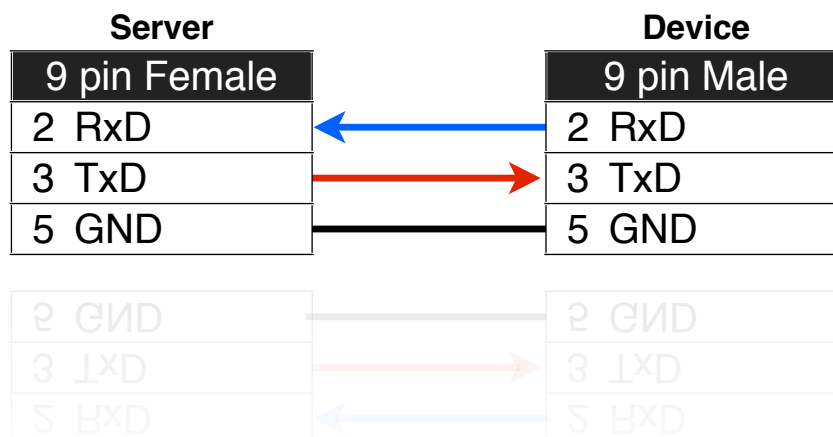
2.65.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 9600 baud
Stop Bits : One
Byte Size : 8 bits
Parity : None
Flow Control : None

2.65.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "Router".

Control Module : Select the corresponding Host and Control Module

Example: "`localhost :   UtahScientificRCP1CM`"

Port/IP/Local Path : Enter the serial port to which the device is connected

Example: "`2`"

Network Path : Leave blank

Auth : Leave blank

Sync Time : OFF

2.65.5   Control Module specific settings

This Control Module has additional settings in the Application Configuration file. This file can be found at:

D:\\TRMS\Control Modules\TRMS.Services.CablecastDeviceControl.exe.config.

Please double-check any changes you make as a mis-configuration of these settings could cause your system to stop functioning.

UtahScientificRPC1-Outputs : Sets the outputs that status will be requested for. This list is zero based, so the first output on the router is 0. Enter this as a comma-delimited list, for example 0,1,2,3,7,42.

UtahScientificRPC1-Levels : Sets the levels that will be switched and that status will be requested for. This list is one based, so the first level is 1. Enter this as a comma-delimited list, for example 1,2,3,6,7

UtahScientificRPC1-BaudRate : The baud rate that will be used for serial communication. If not set 9600 will be used. For use with 100x series routers, this must be set to 19200

2.65.6   Selecting this Control Module for Router control

Location Settings: I/O: Router

Navigate to *Location Settings: I/O: Router*. Select the Control Module Set you previously created from the **CMS that controls the router** pop-down list.

2.66 VDCPCM

Controls Video Servers that support the VDCP protocol.

2.66.1 Supported Devices

This Control Module is for use with digital video servers manufacturered by various manufacturers that support the VDCP protocol. The following models have been tested:

- 360 Systems Imageserver
- 360 Systems Imageserver 2000
- 360 Systems Imageserver MAXX
- Ross Softmetal

> Files on the VDCP controlled server must be named showid-reelnumber e.g. '12345-1'. The Reel Number is required, and no file extension is allowed

2.66.2 Physical Connections

You will need an available RS-422 port, and an appropriate cable. The device end of the cable needs a female DE-9 connector.

The cable required for this device depends upon what type of RS-422 port you are using.
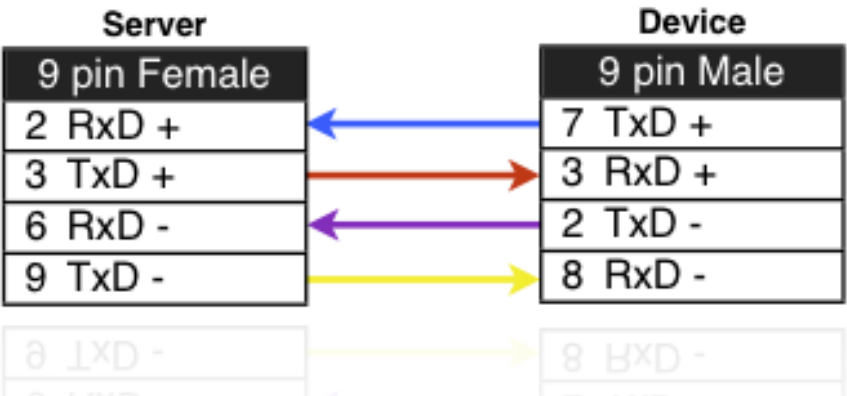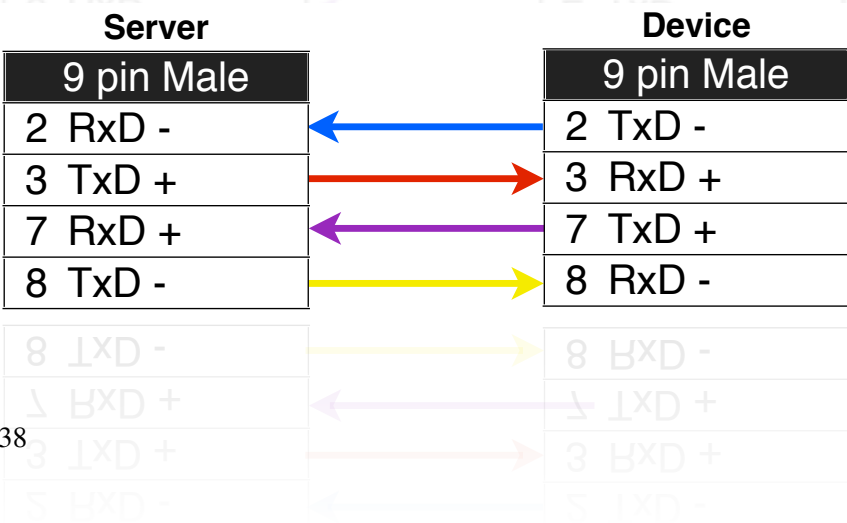
FIGURE 2.53: Quatech RS-422 cable

FIGURE 2.54: Blastronix RS-422 cable

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2.66.3 Serial Port settings

Consult your device's documentation for instructions on how to setup its serial port. Cablecast uses the following settings:

Baud Rate : 38400 baud
Stop Bits : One
Byte Size : 8 bits
Parity : Odd
Flow Control : None

2.66.4 Location Settings: I/O: Control Module Sets Settings

Location Settings: I/O: Control Module Sets

Create an entry for this Control Module in the *Location Settings: I/O: Control Module Sets* menu. Enter the following information into the fields:

CMS Name : A descriptive name, such as "`Server Playback`".
Control Module : Select the corresponding Host and Control Module
Example: "`localhost : VDCPCM`"
Port/IP/Local Path : Enter the serial port to which the device is connected
Example: "`2`"
NetworkPath : Enter the IP Address of the device
Example: "`192.168.1.10`"
Auth : Leave blank
Sync Time : OFF

2.66.5 Creating a Device

Location Settings: I/O: Devices

Navigate to *Location Settings: I/O: Devices* Click **New**, this will add a new device to the bottom of the list, called "`New Input`". Click it to open the device settings.

2.66.6 Device Settings

Enter the following information:

Name : A descriptive name for your device
Router Address : The router input to which this device is connected, e.g. "2"
Device Function : "`Playback only`"
Device Type : "`Digital File`"
Take Delay : We suggest "`0`" seconds
Post Roll : We suggest "`0`" seconds
Device CMS : Select the Control Module Set that you created earlier for this device

Device Address : The playback channel that this device repre-
sents, starting with "1"

Device Formats : Select a suitable format.

Device End Actions : "None"

Click **Save** to complete the configuration of your new device.

2.67 VODCM

Performs VOD operations like transcoding and file discovery.