

Tascam - Serial

Requirements

- Audio Server Interface Software Option
- Serial Interface Cable (DB9 to DB9)
- Control DeviceMaster or Sealevel SeaLINK
- Ethernet Cable

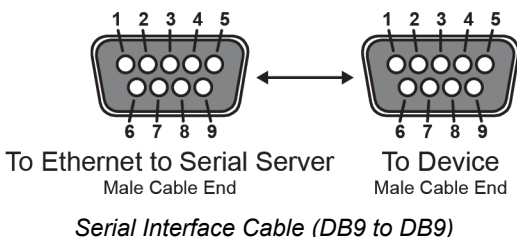
Port Connections

| Communications | | |
|--|---|--------------------------------------|
| Audio Server RS-232 | > | DeviceMaster or SeaLINK RS-232 |
| DeviceMaster or SeaLINK Ethernet | > | Local Area Network Ethernet |

Serial Interface Cable Pinouts

The DeviceMaster and the SeaLINK Ethernet to serial servers both use the following serial interface cable pinouts:

| DeviceMaster | | | Tascam | |
|--------------|--------|---|--------|--------|
| Pin | Signal | | Pin | Signal |
| 2 | Rx | > | 3 | Tx |
| 3 | Tx | > | 2 | Rx |
| 5 | Ground | > | 5 | Ground |



- ★ When using a SeaLINK Ethernet to serial server in your OverDrive system, terminate any control signals that are not going to be used. The most common way to do this is connect RTS to CTS and RI. Also, connect DCD to DTR and DSR.

Configuring the Ethernet to Serial Server

The Ethernet to serial server in an OverDrive system handles the communication between your Tascam audio server and Caprica Server. OverDrive systems can contain a DeviceMaster or SeaLINK Ethernet to serial server. Use one of the following sections to configure the Ethernet to serial server in your OverDrive System:

- “**DeviceMaster**” on page 4–1
- “**SeaLINK**” on page 4–2

DeviceMaster

The Tascam audio server connects to a serial port on the DeviceMaster. Use the following procedure to configure the DeviceMaster for your Tascam audio server:

1. Use a web browser to open the **Server Status** web page for your DeviceMaster. The default IP address for a DeviceMaster is 192.168.250.250.
The **Server Status** web page opens in the web browser.
2. Click **Port #** link, where **#** is the port number on the DeviceMaster to which you connect your Tascam audio server.
The **Edit Port # Configuration** web page opens for the selected port.
3. In the **Port Name** box, enter ENCO DAD.
4. In the **Serial Configuration** section, use the **Mode** list to select **RS-232**.
5. Use the **Baud** list to select **38400**.
6. Use the **Parity** list to select **none**.
7. Use the **Data Bits** list to select **8**.
8. Use the **Stop Bits** list to select **1**.
9. Use the **DTR** list to select **off**.
10. Use the **EOL** list to select **disabled**.
11. In the **TCP Connection Configuration** section, select the **Enable** check box.
12. Select the **Listen** check box.
13. In the **Port** box, enter the port number that the DeviceMaster uses to listen for communication from the Tascam audio server.
14. Click **Save**.
The **Port Configuration Updated** web page opens.

15. Click **OK**.
The **Server Status** web page opens.
16. Click **Reboot**.
The DeviceMaster reboots with the new configuration.

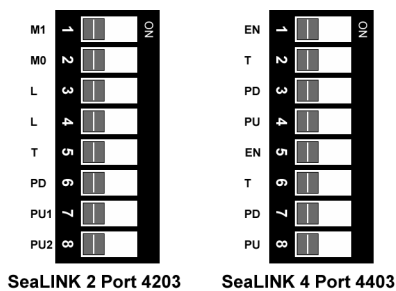
SeaLINK

The Tascam audio server connects to a serial port on the SeaLINK. You must configure the connected SeaLINK serial port to communicate with the Tascam audio server.

Hardware Configuration

The SeaLINK Ethernet to serial server is primarily configured using the web interface. Before using the web interface, the SeaLINK DB9 port that connects the Tascam audio server to your OverDrive system requires DIP Switch configuration.

Inside the SeaLINK each DB9 serial port has a set of eight DIP Switches. To communicate with the Tascam audio server the RS Mode of the DB 9 serial port that connects the Tascam audio server must be set to RS-232. For your model of SeaLINK, set the DIP Switches associated with the connected port as follows:



SeaLINK 2 Port 4203 SeaLINK 4 Port 4403
DB9 DIP Switch Settings for RS-232

For More Information on...

- configuring the DIP Switches for SeaLINK DB9 ports, refer to the **Hardware Configuration** section in the *SeaLINK User Manual | Ethernet Serial Server Family*.

Web Interface Configuration

After setting the DIP Switches associated with the DB9 port on the SeaLINK used to connect the Tascam audio server, you can use the SeaLINK web interface to complete the SeaLINK configuration.

Use the following procedure to configure the SeaLINK for your Tascam audio server:

1. Use a web browser to open the **Summary** web page for your SeaLINK. The URL of the Summary web page is the IP address of the SeaLINK.
The **Summary** web page opens in the web browser.
2. Click the **Port Settings** tab.
The **Port Settings** web page opens.
3. In the **Port # Defaults Section** section, where # is the port number on the SeaLINK to which you connect your Tascam audio server, enter 38400 in the **Baud Rate** box.
4. Use the **Data Bits** list to select **8**.
5. Use the **Stop Bits** list to select **1**.
6. Use the **Parity** list to select **Odd**.
7. Use the **Flow Control** list to select **None**.
8. Use the **RS Mode** list to select **RS 232**.
9. Use the **Protocol** list to select **Ignored**.
10. Click **Submit**.
11. Click the **Administration** tab.
The **Administration** web page opens.
- ★ Values set for settings on the **Administration** web page are set for all SeaLINK serial ports.
12. In the **General Settings** section, enter a name to identify the SeaLINK in the **Name** box.
13. Use the **Connection Protocol** list to select **Raw Data**.
14. At the bottom of the **Administration** web page, select the **Reboot** check box.
15. Click **Submit**.
The SeaLINK reboots with the new configuration.

Remote Device Port Configuration Settings

Use the following procedure to configure a remote device for your Tascam audio server on the Caprica Server:

1. Use the current version of **DashBoard** software to connect to your **Caprica Server**.
2. In the **DashBoard Tree View**, double-click the **Port Configuration** node of your Caprica Server.
3. In the **Port Configuration Summary** table, double-click a **REMOTE#** port in the **Port** column.

4. In the **Configure REMOTE#** panel, click **Audio Server**.
5. Click **Tascam**.
6. Click **Network Settings**.
7. Use the following settings to configure the **Network Settings** for your Tascam audio server:

- **Ethernet Role** — Client
- **Remote IP Address** — IP address of the Ethernet to serial server in your OverDrive system
- **Remote Port** — Port number on the Ethernet to serial server to which you connect your Tascam audio server.

When using a SeaLINK Ethernet to serial server in your OverDrive system the Remote Port number is associated with the SeaLINK serial port number to which you connected your Tascam audio server. The SeaLINK serial port to Remote Port associations are as follows:

| SeaLINK Serial Port | Remote Port |
|---------------------|-------------|
| 1 | 4680 |
| 2 | 4681 |
| 3 | 4682 |
| 4 | 4683 |

- **Local IP Address** — 0.0.0.0
 - **Local Port** — 0
 - **Protocol** — TCP
8. Click **Apply Changes** to save the network settings.

Device Settings

Use the following procedure to configure the device settings for your Tascam on the Caprica Server:

1. Click **Device Settings**.
2. Click **Ethernet** for the **Tascam Comms** setting.
3. Use the **Tascam Passwd** setting to select the password set on your Tascam. The available options are as follows:
 - **No Password** — click this button when your Tascam does not have a password.
 - **“password”** — click this button to use password as the password for your Tascam.
 - **CDR250N** — click this button to use the Tascam CDR250N password as the password for your Tascam.
 - **R250N** — click this button to use the Tascam R250N password as the password for your Tascam.

4. Use the **Delay** setting to enter or select the amount of time, in frames, to delay between the play and cut for a Tascam R250N.
5. Click **Apply Changes** to save the device settings.
6. Click **Done** to close the Configure REMOTE# panel.

For More Information on...

- configuring remote devices for OverDrive systems that contain a Caprica Server, refer to the *Caprica User Guide*.

Device Setup

Configure your Tascam audio server as follows:

1. Set the network connection to serial:
 - a. Press the **HOME/MENU** key.
 - b. Turn the **MULTI JOB** dial to display `< Serial Mode >` on the screen.
 - c. Press the **MULTI JOB** dial to select `< Serial Mode >`.
 - d. Turn the **MULTI JOB** dial to display `< RS-232C >` on the screen.
 - e. Press the **MULTI JOB** dial to select `< RS-232C >`.
2. Set the baud rate to 38400 bps:
 - a. Press the **HOME/MENU** key.
 - b. Turn the **MULTI JOB** dial to display `< Baud Rate >` on the screen.
 - c. Press the **MULTI JOB** dial to select `< Baud Rate >`.
 - d. Turn the **MULTI JOB** dial to display `< 38400 bps >` on the screen.
 - e. Press the **MULTI JOB** dial to select `< 38400 bps >`.

Compatibility

| Audio Server | Version |
|--------------|---------|
| Tascam | - |

| Automation | Version |
|----------------|----------------|
| OverDrive | 19.4 or higher |
| Caprica Server | 6.4b or higher |

| Port Expanders | Support |
|----------------------|---------|
| Control DeviceMaster | Yes |
| Sealevel SeaLINK | Yes |

Limitations

The following limitations apply when using a USB thumb drive or SD card as the audio source on a Tascam audio server:

- Custom controls can only cue or play audio clips by cut number.
A file name listing of the audio files, including sub-folders, on the USB thumb drive or SD card sets the cut numbers for audio clips.
- Adding an audio file to a USB thumb drive or SD card with a file name that changes cut numbering will cause custom controls to cue or play the wrong audio clip.
- Ross Video recommends naming audio files with a sequential numeric prefix and only storing audio files in the root folder of a USB thumb drive or SD card.

Contacting Technical Support

Technical Support is staffed by a team of experienced specialists ready to assist you with any question or technical issue.

Ross Video has technical support specialists strategically located around the globe to ensure a prompt response to technical inquiries. Our primary technical support center is located in Ottawa, Ontario, Canada. In addition, we have offices in The United Kingdom (London), Australia (Sydney), and Singapore with satellite locations in New York City, The Netherlands, and China. As we expand our presence globally, we are constantly evaluating other key locations to have a local technical support specialist in order to better service our customers.

North America

Our North America center located in Ottawa, Ontario, Canada and is open Monday to Friday 8:30 a.m. to 6:00 p.m. EST, with 24/7/365 on-call service after hours.

Our telephone number is: +1-613-686-1557

Toll free within North America: +1 833-859-0499

EMEA

Our EMEA center is open Monday to Friday 8:30 a.m. to 5:00 p.m. GMT. After hours support is provided by our North America location.

Our telephone number is: +44 (0)1189502446

International toll free: +800 3540 3545

If the local support specialist is not available, your call will be transferred automatically to our North America center.

Australia

Our Sydney, Australia office is located in Alexandria, NSW.

Our local support telephone number is: 1300 007 677

If the local support specialist is not available, your call will be transferred automatically to our North America center.

Online

E-mail: techsupport@rossvideo.com

Website: open a support request using the link <https://support.rossvideo.com/> to open a support request.

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