Ross Video SoftMetal (1000 series)

Requirements

- Video Server Control software option
- If you are using multiple video channels on the SMS, each channel should be assigned to a separate **Remote Port**, or a **Port Expander** should be used.
- Serial Interface Cable (DB9 to DB9)

Port Connections

	Switcher		Video Server
Communications	REMOTE Port (female)	⇨	COM Port (female)
Video	Input BNC	⇨	Output BNC

Cable Connectors

To Switcher
(male cable end)

To Device
(male cable end)
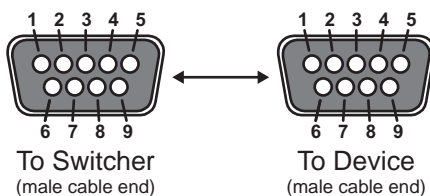
Figure 1 *DB9 to DB9 Cable*

Pinouts

Switcher	SMS
2 (Rx-)	2 (Tx-)
3 (Tx+)	3 (Rx+)
7 (Rx+)	7 (Tx+)
8 (Tx-)	8 (Rx-)

Switcher Setup

To Set Up Communications

1. Press **HOME** ⇨ **Setup** ⇨ **Installation** ⇨ **Com Setup** ⇨ **Type**.
   - Use the **Com Port** knob to select the **REMOTE X** port that you connected the SMS to.
   - Use the **Device** knob to select **VTR (CLIP)**.
2. Press **Select Device**.
   - Use the **Device** knob to select **VDCP**.

- Use the **VTR Preroll** knob to select **0**.

3. Press **Com Type**.
   - Use the **Type** knob to select **RS-422**.
4. Press **Com Settings**.
   - Use the **Baud** knob to select **38400**.
   - Use the **Parity** knob to select **ODD**.
5. Press **Extra Options**.
   - Use the **Option** knob to select **TargetMachine**.
   - Use the **Value** knob to select **SMS vxx**, where xx is the version of SMS software you have. The remaining options are set automatically.
6. Press **HOME** ⇨ **Confirm**.

To Set Up Video Inputs

1. Press **HOME** ⇨ **Setup** ⇨ **Installation** ⇨ **BNC** ⇨ **BNC Type**.
   - Use the **BNC** knob to select the input BNC that the video output of the SMS is connected to.
   - Use the **Type** knob to select **VTR**.
   - Use the **Video Format** knob to select the video format of the video output of the SMS.
2. Press **More** ⇨ **VTR/VDCP Xpts**.
   - Use the **Controller** knob to select the port on the switcher that you assigned the SMS to.
3. Press **VDCP Setup**.
   - Use the **Channel** knob to select the channel on the SMS that you want to assign to the BNC.
   - Use the **SubAddress** knob to select the same value as **Channel**.
4. Press **HOME** ⇨ **Confirm**.

To Create a Record Clip Custom Control

When run, this custom control puts SMS into record mode for the channel assigned to the BNC.

1. Press **HOME** ⇨ **Custom Controls**.
2. Select the custom control you want to record to.
3. Press **Start Recording** ⇨ **Insert Special** ⇨ **VTR**.
4. Use the **Device** knob to select the video server BNC that you want to record on.
5. Use the **Function** knob to select **Record**.
6. Press **Insert**.

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7. Press **UP ONE** ⇨ **Finish Recording**.

Device Setup

1. Open the **SoftMetal Configuration Client**.

2. Click on the **Remote Control** tab.

3. In the **Peripheral Port** drop-down list, select the port that you have connected to the switcher.

4. In the **Protocol** drop-down list, select **VDCP**.

5. Click **OK**.

Troubleshooting

If the device is communicating properly, but you cannot gain control from the switcher, try cycling through different values for the SubAddress, and then the Channel. The most common settings are as follows:

- Channel set to the video channel number and SubAddress set to 0.
- Channel set to the video channel number and SubAddress set to the serial communications port on the video server.

Compatibility

Video Server	Version
Ross Video SoftMetal	4.4
Switchers	
Synergy 1 SD	--
Synergy Series SD	17.1
Synergy MD/X	3.1
Vision QMD/X	12.9
Vision MultiPanel Support	15.0
Automation	
OverDrive	10
Port Expanders	
BSS4	✘
Comtrol DeviceMaster	✔

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