Omneon

Requirements

- Video Server Control software option
- If you are using multiple video channels on the Omneon, 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)	⇨	RS-422 Port (female)
Video	Input BNC	⇨	Output BNC

Cable Connectors
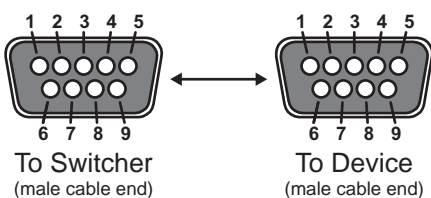
Figure 1 *DB9 to DB9 Cable*

Pinouts

Switcher	Omneon
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 Omneon 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 **Omneon**. 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 Omneon 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 Omneon.
2. Press **More** ⇨ **VTR/VDCP Xpts**.
   - Use the **Controller** knob to select the port on the switcher that you assigned the Omneon to.
3. Press **VDCP Setup**.
   - Use the **Channel** knob to select the channel on the Omneon that you want to assign to the BNC.
   - Use the **SubAddress** knob to select **0**.
4. Press **HOME** ⇨ **Confirm**.

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
Omneon	--

Video Production Technology

Switchers	
Synergy 1 SD	--
Synergy Series SD	17.1
Synergy MD/X	3.1
Vision QMD/X	14.0
Vision MultiPanel Support	15.0
Automation	
OverDrive	10
Port Expanders	
BSS4	✔
Comtrol DeviceMaster	✔

Video Production Technology