360 Systems Image Server 2000

Requirements

- Video Server Control software option
- If you are using multiple video channels on the Image Server 2000, 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)	⇨	Serial Port (female)
Video	Input BNC	⇨	Output BNC

Cable Connectors

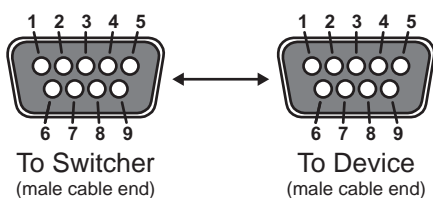**Figure 1** DB9 to DB9 Cable

Pinouts

Switcher	Image Server 2000
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 Image Server 2000 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 **360Sys IS2000**. 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 Image Server 2000 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 Image Server 2000.
2. Press **More** ⇨ **VTR/VDCP Xpts**.
   - Use the **Controller** knob to select the port on the switcher that you assigned the Image Server 2000 to.
3. Press **VDCP Setup**.
   - Use the **Channel** knob to select the channel on the Image Server 2000 that you want to assign to the BNC.
   - Use the **SubAddress** knob to select the same value as **Channel**.
4. Press **HOME** ⇨ **Confirm**.

Device Setup

1. On the **Configuration Menu** click **System...** to open the **Configuration System Window**.
2. Select the **Control** tab.
3. In the **Serial Protocol Area**, select **VDCP** for the channel you have connected to the switcher.
4. In the **VDCP Option Area**, configure the options as follows:
   - **Cue shows 1st frame**- selected (check mark)
   - **Cue w/offset (vs. timestamp)**- selected (check mark)
   - **Vari-play 1x equals play**- deselected (no check mark)
   - **Vari-play 0 equals pause**- deselected (no check mark)

- **Report Play (vs. still) at end-** deselected (no check mark)
- **Ignore preroll commands**- deselected (no check mark)
- **Auto E-E**- deselected (no check mark)

5. Open the **Serial Port Configure** window.

6. Set the **cue w/ offset** to indicate how to reference clip timecode. You can choose from the following:

- **Enabled** – reports the timecode to the switcher relative to 0. The clip progress bar on the switcher is accurate and In and Out points are respected.
- **Disabled** – reports the timecode to the switcher relative to the clip timestamp. The clip progress bar on the switcher is not accurate and In and Out points are not respected.

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
360 Systems Image Server 2000	--
Switchers	
Synergy 1 SD	16.0
Synergy Series SD	18.0
Synergy MD/X	8.2
Vision QMD/X	14.0
Vision MultiPanel Support	15.0
Automation	
OverDrive	10
Port Expanders	
BSS4	✔
Comtrol DeviceMaster	✔

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