

## Grass Valley K2 Summit Media Server

### Requirements

- Video Server Control software option
- If you are using multiple video channels on the K2 Summit, 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

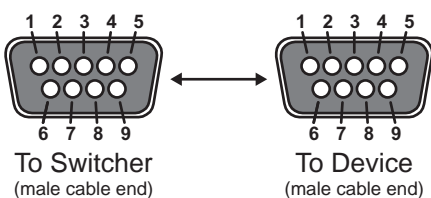


Figure 1 DB9 to DB9 Cable

### Pinouts

Switcher	K2 Summit
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 K2 Summit 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 **10** frames. If you are running the K2 Summit in a mixed format configuration, a **1** second preroll should be used.

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 **GVG K2**. 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 K2 Summit 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 K2 Summit.
2. Press **More** ⇒ **VTR/VDCP Xpts**.
  - Use the **Controller** knob to select the port on the switcher that you assigned the K2 Summit to.
3. Press **VDCP Setup**.
  - Use the **Channel** knob to select the channel on the K2 Summit that you want to assign to the BNC.
  - Use the **SubAddress** knob to select **0**.
4. Press **HOME** ⇒ **Confirm**.

### Device Setup

From the K2 AppCenter you must set protocol control for each channel that you want to control from the switcher. A separate cable connection and port must be used for each channel you want to control.

**Note:** The K2 Summit does not support the following characters in clip names \: \* ? " < > |.

1. Select the channel that you want to set up.
2. Select **Control I Options**.
3. Select the **Control** tab.
4. Select the following communications protocol setting:



- VDCP
- 38.4K Baud
- 1 Start bit
- 8 Data bits
- 1 Parity bit
- 1 Stop bit

## 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
Grass Valley K2 Summit Media Server	3.0
Switchers	
Synergy 1 SD	--
Synergy Series SD	--
Synergy MD/X	9.1
Vision QMD/X	14.0
Vision MultiPanel Support	15.0
Automation	
OverDrive	10
Port Expanders	
BSS4	✓
Control DeviceMaster	✓



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