Shotoku TR-8S Control System

Requirements

- Robotic Camera Control software option
- Serial Interface Cable (DB9 to DB9)

Port Connections

	Switcher		Robotic Camera
Communications	REMOTE Port (female)	⇨	RS422 Port (female)
Video	Input BNC	⇨	Output BNC

Cable Connectors
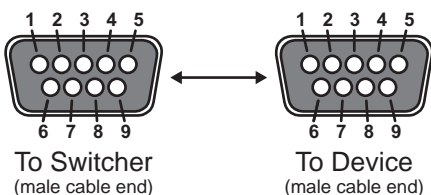
Figure 1 DB9 to DB9 Cable

Pinouts

Switcher	Shotoku TR-8S
2 (Rx-)	4 (Tx-)
3 (Tx+)	9 (Rx+)
7 (Rx+)	5 (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 Shotoku TR-8S to.
    - Use the **Device** knob to select **Robotic Cam**.
2. Press **Select Device**.
    - Use the **Device** knob to select **Shotoku**.
3. Press **Com Type**.
    - Use the **Type** knob to select **RS-422**.

4. Press **Com Settings**.
    - Use the **Baud** knob to select **9600**.
    - Use the **Parity** knob to select **ODD**.
5. Press **Extra Options**.

Extra Options	Value
Panel ID	5 (default)
Poll	All (default)
Pan/Tilt Damping	5 (default)
Pan/Tilt Speed	64 (default)
Zoom Speed	40 (default)
Focus Speed	15 (default)
Z Speed	64 (default)

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 camera being controlled by the Shotoku TR-8S is connected to.
    - Use the **Type** knob to select **Robotic Cam**.
    - Use the **Video Format** knob to select the video format of the video output of the camera.
2. Press **More** ⇨ **Camera Setup**.
    - Use the **Controller** knob to select the port that the Shotoku TR-8S is connected to.
    - Use the **Port** knob to select the port on the Shotoku TR-8S that the camera is connected to.
3. Press **Camera Options** and use the knobs to set the options.

Option	Description
Pan Invert	Use the **Value** knob to invert the direction that the camera moves when using the positioner (**Yes**), or not (**No**).
Tilt Invert	Use the **Value** knob to invert the direction that the camera moves when using the positioner (**Yes**), or not (**No**).
Zoom Invert	Use the **Value** knob to invert the direction that the camera zooms when using the positioner (**Yes**), or not (**No**).

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Option	Description
Focus Invert	Use the **Value** knob to invert the focus direction when using the positioner (**Yes**), or not (**No**).
Iris Invert	Use the **Value** knob to invert the iris direction when using the positioner (**Yes**), or not (**No**).
X Invert	Use the **Value** knob to invert the direction that the camera moves in the X-axis when using the positioner (**Yes**), or not (**No**).
Y Invert	Use the **Value** knob to invert the direction that the camera moves in the Y-axis when using the positioner (**Yes**), or not (**No**).
Z Invert	Use the **Value** knob to invert the direction that the camera moves in the Z-axis when using the positioner (**Yes**), or not (**No**).

4. Press **HOME ⇨ Confirm**.

Compatibility

Robotic Camera	Version
Shotoku TR-8S	--
Switchers	
Synergy 1 SD	--
Synergy Series SD	--
Synergy MD/X	--
Vision MD/X	--
Vision QMD/X	16.0
Vision MultiPanel Support	--
Automation	
OverDrive	12.0
Port Expanders	
BSS4	✔
Comtrol DeviceMaster	✔

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