

## 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

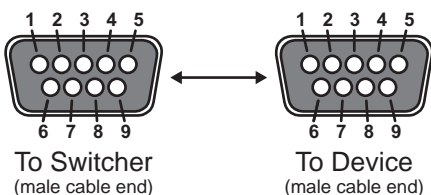


Figure 1 DB9 to DB9 Cable

### Pinouts

Switcher	Shotoku TR-8S
2 (Rx-)	4 (Tx-)
3 (Tx+)	9 (Rx+)
7 (Rx+)	5 (Tx+)
8 (Tx-)	8 (Rx-)

## FlexDevice™ Installation

### To Install the FlexDevice Driver

1. On your computer, open your Web Browser and, in the address bar, enter the IP address of your frame and press **Enter**.
2. Enter your username and password as follows when the **Login Dialog Box** appears. The default **Name** is **user** and **Password** is **password**.
3. Click **Other...** ⇒ **FlexDevices**.
4. Click **Browse**. A file selection dialog box is displayed.
5. Locate the FlexDevice driver file **Robo-Cam\_Shotoku 1.0-###.tar.gz**.

6. Click **Open/Choose** to select the file.
7. Click **Install Driver** to upload and install the selected driver to the switcher.

### To Initialize the FlexDevice Driver

1. Press **HOME** ⇒ **Setup** ⇒ **Installation** ⇒ **Com Setup** ⇒ **FlexDevices**.
2. Press **Start Driver**.
3. Use the **Interface** knob to select **Panel0**.
4. Use the **Type** knob to select **FlexCAM**.
5. Use the **Driver** knob to select **Shotoku 1.0**.
6. Press **Accept**. You must initialize a separate instance of a driver for each device you want to control from the switcher.

## 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 **FlexCAM**.
2. Press **Select Device**.
  - Use the **Device** knob to select **x\_Shotoku 1.0**.
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

- 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.
- 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.
- Press **Camera Options** and use the knobs to set the options.

Option	Description
<b>Pan Invert</b>	Use the <b>Value</b> knob to invert the direction that the camera moves when using the positioner ( <b>Yes</b> ), or not ( <b>No</b> ).
<b>Tilt Invert</b>	Use the <b>Value</b> knob to invert the direction that the camera moves when using the positioner ( <b>Yes</b> ), or not ( <b>No</b> ).
<b>Zoom Invert</b>	Use the <b>Value</b> knob to invert the direction that the camera zooms when using the positioner ( <b>Yes</b> ), or not ( <b>No</b> ).
<b>Focus Invert</b>	Use the <b>Value</b> knob to invert the focus direction when using the positioner ( <b>Yes</b> ), or not ( <b>No</b> ).
<b>Iris Invert</b>	Use the <b>Value</b> knob to invert the iris direction when using the positioner ( <b>Yes</b> ), or not ( <b>No</b> ).
<b>X Invert</b>	Use the <b>Value</b> knob to invert the direction that the camera moves in the X-axis when using the positioner ( <b>Yes</b> ), or not ( <b>No</b> ).
<b>Y Invert</b>	Use the <b>Value</b> knob to invert the direction that the camera moves in the Y-axis when using the positioner ( <b>Yes</b> ), or not ( <b>No</b> ).
<b>Z Invert</b>	Use the <b>Value</b> knob to invert the direction that the camera moves in the Z-axis when using the positioner ( <b>Yes</b> ), or not ( <b>No</b> ).

- Press **HOME** ⇒ **Confirm**.

## Compatibility

Robotic Camera	Version
Shotoku TR-8S	--

FlexDevice	
Sony FlexCAM Driver	1.0
MultiPanel	
MultiPanel Support	✘
Automation	
OverDrive	9.3
Port Expanders	
BSS4	✘
Control DeviceMaster	✓