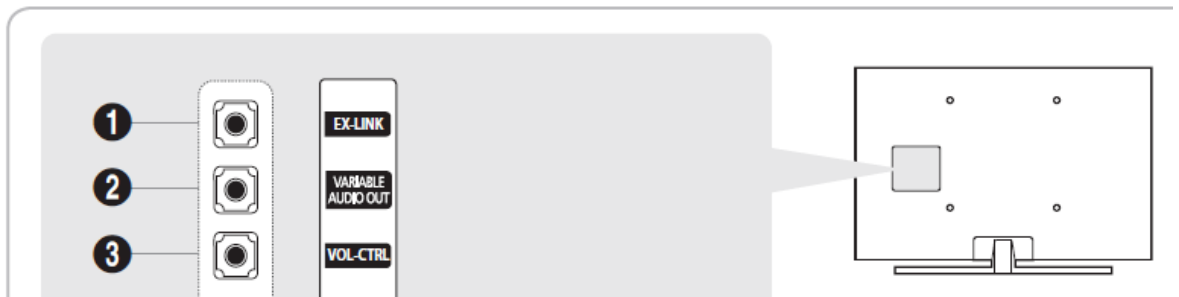


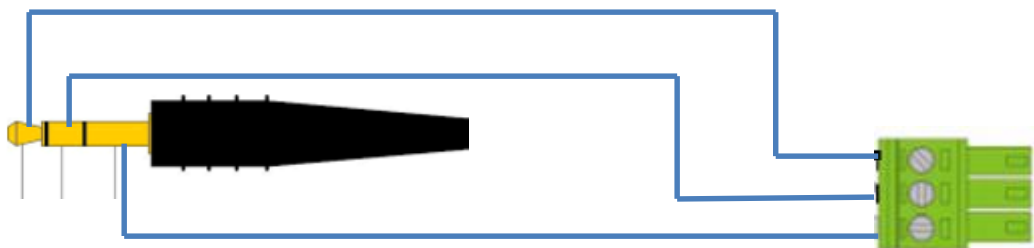
PRO DSX RS-232 controls -Samsung TV with EX Link

Revision: 1.1



The ExLink port allows serial control of the Samsung TV. For example, turn on/off , changed channels and etc.

The ExLink cable has a 3.5mm jack (like a audio headphone cable) on one side and on the other side is an RS-232 interface.

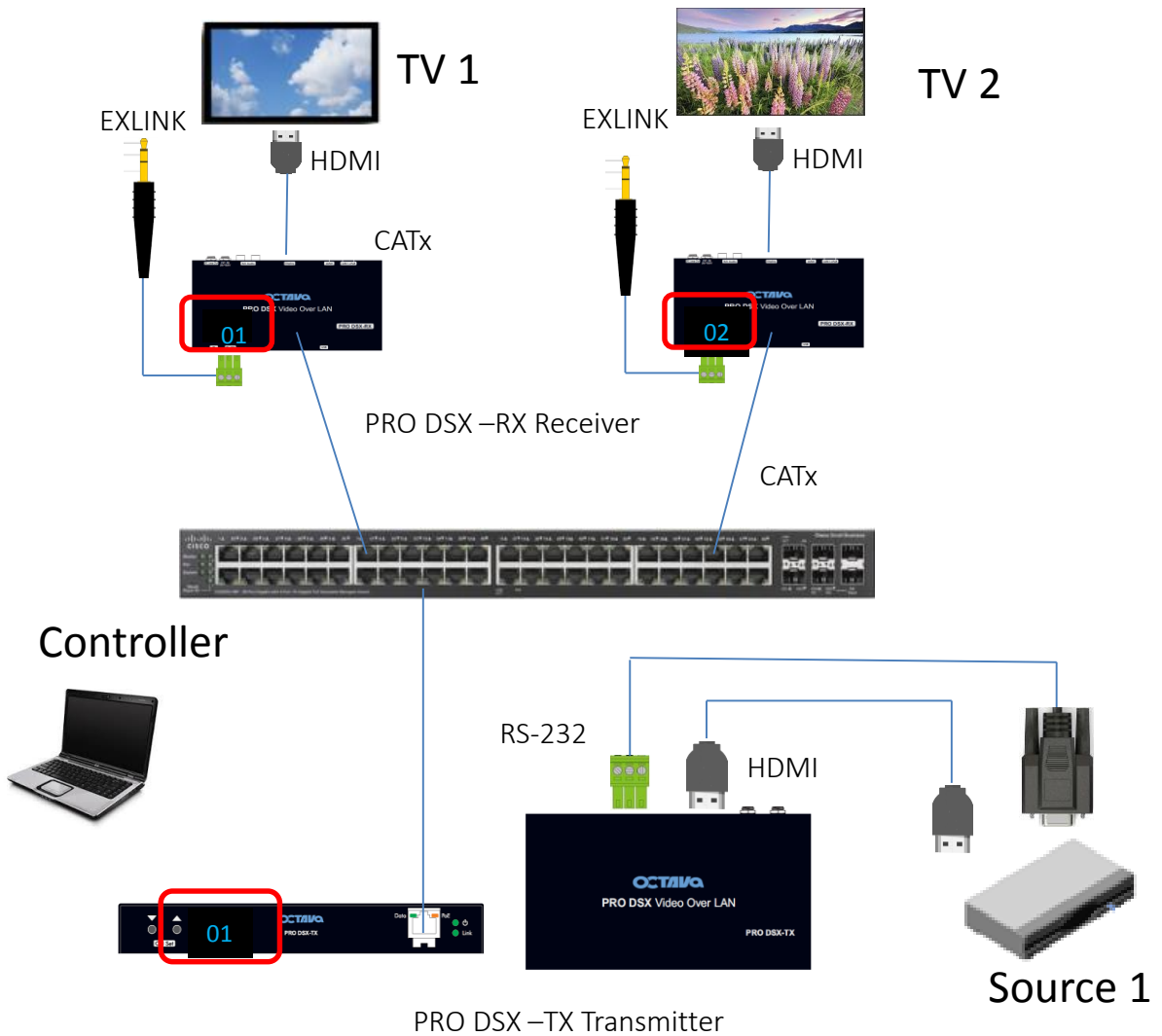


EX LINK

PRO DSX-RX RS-232

RS-232 TYPE 2 Guest Mode

For example, if you wish to send RS-232 commands to TV 1, then you will only need to Telnet the RS-232 to the PRO DSX-RX connected to TV1



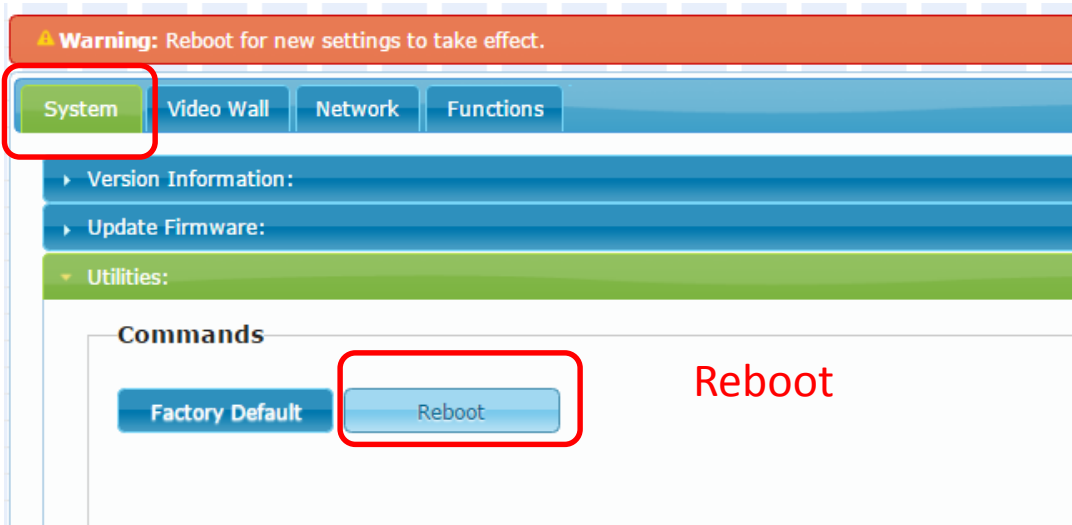
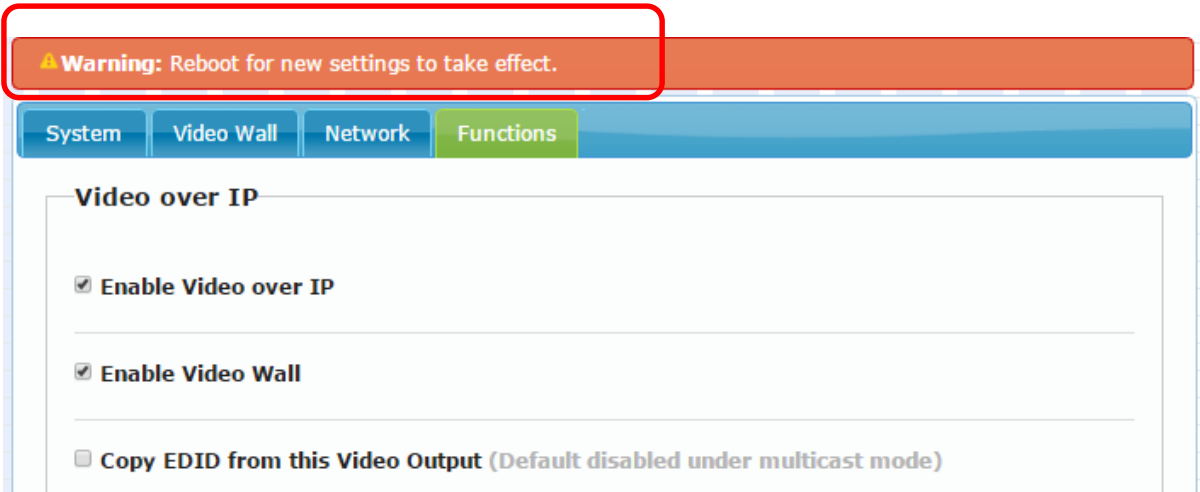
1. Configure the PRO DSX-RX Serial IP to Type 2 GUEST Mode

Use browser to access the PRO DSX which you wish to send RS-232 commands to

The screenshot shows a web browser window titled "Web Setup" with the address bar displaying "169.254.3.1/octava_admin.html". The navigation menu includes "System", "Video Wall", "Network", and "Functions", with "Functions" highlighted in green and circled in red. Below the menu, the "Video over IP" section has two checked options: "Enable Video over IP" and "Enable Video Wall". The "Serial over IP" section has "Enable Serial over IP" checked and circled in red, with a red arrow pointing to it and the text "Enable Serial Over IP". Under "Operation Mode", "Type 2 quest mode" is selected with a radio button and circled in red, with a red arrow pointing to it and the text "Select Type 2". Below this, the "Baudrate Setting for Type 2:" section is circled in red and contains four dropdown menus: "Baudrate" (9600), "Data bits" (8), "Parity" (None), and "Stop bits" (1). A red arrow points to these settings with the text "Set the Baudrate settings per requirements.". At the bottom right, the "Apply" button is circled in red.

2. Apply and Reboot

You will need to Reboot to save the TYPE 2 Guest Mode Settings



To send control command to the Samsung TV.

1. Telnet to the PRO DSX-RX attached to the Samsung TV you wish to control. You must enter the correct IP Address and use PORT 6752.

Example:

IP address of PRO DSX-RX (For example, 172.31.3.1)

PORT = 6752

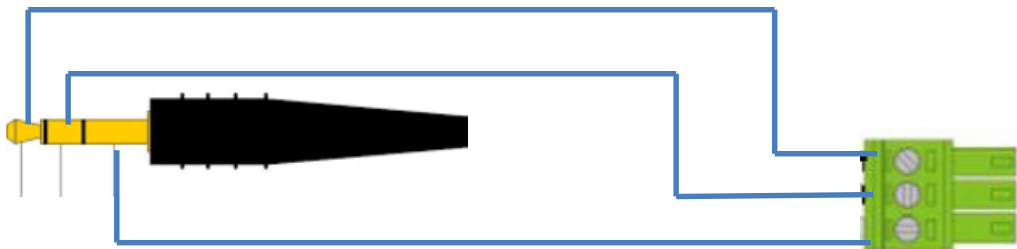
2. Send the HEX command to the SAMSUNG TV that you wish.

	HEX Command Example	
Power ON	\x08\x22\x00\x00\x00\x02\xD4	
Power OFF	\x08\x22\x00\x00\x00\x01\xD5	
Volume UP	\x08\x22\x01\x00\x01\x00\xD4	
Volume Down	\x08\x22\x01\x00\x02\x00\xD3	
HDMI IN 1	\x08\x22\x0A\x00\x05\x00\xC7	
HDMI IN 2	\x08\x22\x0A\x00\x05\x01\xC6	
HDMI IN 3	\x08\x22\x0A\x00\x05\x02\xC5	
HDMI IN 4	\x08\x22\x0A\x00\x05\x03\xC4	

The Cabling used in the above example is shown below.

The ExLink cable has a 3.5mm jack (stereo)on one side and on the other side is an Phoenix Style (green)RS-232 interface.

You may use any 3.5 mm stereo cable and make your own interface cable as shown below.



EX LINK

PRO DSX-RX RS-232

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