

This document provides additional assistance with wiring your Extron IPL PRO enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instruction, refer to the user's manual for the specific Extron IPL PRO enabled product or the controlled device manufacturer supplied documentation.

### ***Device Specifications:***

Device Type: Matrix Switcher  
 Manufacturer: Bluestream  
 Firmware Version: N/A  
 Model(s): PLA88L, PLA88ARC, PLA66L, PLA66ARC, HMXL44-KIT, MFP72

### ***Tested on the Following Software and Firmware Versions:***

IP Link Pro Control Processor Firmware	MediaLink Plus Controller Firmware	GC (Plus, Pro) Version
2.01.0000-b004	2.01.0000-b003	2.1.1.15

### ***Version History***

Driver Version	Date	Notes
1_0_0	6/2/2016	Initial Version

### ***Driver Notes:***

- User Defined command takes a string parameter and sends the string out of the port.
- Only Power Command will be sent to the device when it is Off.

### ***Driver Timings:***

- Recommended repeat rate for this driver is .1 seconds.

## Control Commands & States:

<b>Advanced Process Mode</b>	On	Off	
<b>Audio Input <sup>2</sup></b>	Bypass Receive HDMI/DVI	Insert Stereo To HDMI/DVI	Insert Stereo To DVI
<b>IR Control</b>	On	Off	
<b>Key Control</b>	On	Off	
<b>Matrix Tie Command <sup>1,2</sup></b>	None		
<b>Mute <sup>1</sup></b>	On	Off	
<b>Onboard Beep</b>	On	Off	
<b>Output <sup>1</sup></b>	On	Off	
<b>Power</b>	On	Off	
<b>Reset</b>	None		
<b>User Defined Command</b>	None		
<b>User Defined String</b>	String		
<b>Volume <sup>1</sup></b>	0 to 30 in steps of 1		

<sup>1</sup> This command requires 'Output' parameters to be set.

<sup>2</sup> This command requires 'Input' parameters to be set.

**Status Available:**

<b>Advanced Process Mode</b>	On	Off
<b>Connection Status</b> <sup>RP</sup>	Connected	Disconnected
<b>Input Tie Status</b> <sup>1</sup>	Tied	Untied
<b>IR Control</b>	On	Off
<b>Key Control</b>	On	Off
<b>Onboard Beep</b>	On	Off
<b>Output Tie Status</b> <sup>2</sup>	1 - 8	
<b>Power</b>	On	Off
<b>User Defined String</b>	String	
<b>Volume</b> <sup>2,3</sup>	0 to 30 in steps of 1	

<sup>1</sup> This command requires 'Input' and 'Output' parameters to be set.

<sup>2</sup> This command requires 'Output' parameter to be set.

<sup>3</sup> Emulated Status Only.

<sup>RP</sup> Connection Status is based off of the following string: STATUS\r

**Cable and Adapter Requirements:**  
Captive Screw to Phoenix Connector

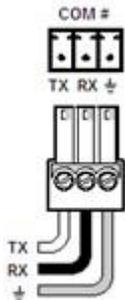
**Notes for the Device:**

**Serial communication:**

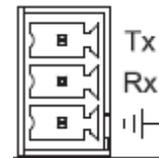
**Port Type:** RS-232  
**Baud Rate:** 57600  
**Data Bits:** 8

**Parity:** None  
**Stop Bits:** One  
**Flow Control:** None

**Pin Assignments Diagram**



Signal	Main Cable	Signal
TxD		TxD
RxD		RxD
GND		GND



**General Notes:**

***Network communication:***

When configuring the Ethernet driver, be sure device settings match that of the GCP configuration.

<b>Port Type:</b>	Ethernet
<b>Default Port:</b>	8000
<b>Logon Credentials Supported:</b>	No
<b>Multi-Connection Capabilities:</b>	Undetermined
<b>Port Changeability:</b>	Yes

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***Ethernet Driver Configuration Description:***

Please refer to user manual for settings and changes to the network communication

***Notes for the Device:***