

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:

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

¹ This command requires 'Output' parameters to be set.

² This command requires 'Input' parameters to be set.

Status Available:

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

¹ This command requires 'Input' and 'Output' parameters to be set.

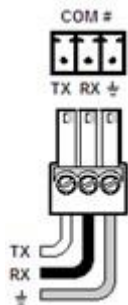
² This command requires 'Output' parameter to be set.

³ Emulated Status Only.

^{RP} 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.

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

Ethernet Driver Configuration Description:

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

Notes for the Device: