

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

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Matrix Switcher
Manufacturer: Extron
Firmware Version: N/A
Model(s): CrossPoint 450 Plus 2412 HV, CrossPoint 450 Plus 2412 HVA, CrossPoint 450 Plus 2424 HV, CrossPoint 450 Plus 2424 HVA, CrossPoint 450 Plus 3216 HV, CrossPoint 450 Plus 3216 HVA, CrossPoint 450 Plus 3232 HV, CrossPoint 450 Plus 3232 HVA, MAV Plus 2412 A, MAV Plus 2412 AV, MAV Plus 2412 V, MAV Plus 2424 A, MAV Plus 2424 AV, MAV Plus 2424 V, MAV Plus 3216 A, MAV Plus 3216 AV, MAV Plus 3216 V, MAV Plus 3232 A, MAV Plus 3232 AV, MAV Plus 3232 V

Minimum Software and Firmware Requirements:

IP Link Compiler	IP Link Firmware	GC Version
1.6.0	1.17	3.5.2

Version History:

Driver Version	Date	Notes
3	5/9/2014	Extron Certified Version. Updated to latest matrix standards.
2	1/21/2013	Extron Certified. Added Preset Save.
1	08/15/2009	Initial Extron Certified version. Tested on CrossPoint 450 Plus 3232 HVA

Driver Notes:

Driver includes Volume optimization.

Configuring a set of input/output ties on a single button:

This section will describe how to configure a TLP button with either a single Input/Output Tie or multiple Input/Output Ties.

To configure a front panel button with a single input and a single output tie follow the steps below.

1. Select the 1st desired Input from the “1st Tie, Input”
2. Select the 1st desired Output from the “1st Tie, Output”
3. Select the 1st desired Take from the “1st Tie, Take”

To configure a front panel button with multiple Input/Output Ties repeat the steps above then follow the steps below.

4. Select the 2nd desired Input from the “2nd Tie, Input”
5. Select the 2nd desired Output from the “2nd Tie, Output”
6. Select the 2nd desired Take from the “2nd Tie, Take”

If more ties are required then use 3rd, 4th, 5th, 6th, 7th and 8th.

If any of these commands are re-used within the command please place a 1 second delay before the next set of commands.

IP Link® Device Interface Ethernet Communication Sheet

Control Commands & States:

1st Tie, Input	1-32	Break	
1st Tie, Output	1-32	All	
1st Tie, Take	Audio	Video	Audio-Video
2nd Tie, Input	1-32	Break	
2nd Tie, Output	1-32	All	
2nd Tie, Take	Audio	Video	Audio-Video
3rd Tie, Input	1-32	Break	
3rd Tie, Output	1-32	All	
3rd Tie, Take	Audio	Video	Audio-Video
4th Tie, Input	1-32	Break	
4th Tie, Output	1-32	All	
4th Tie, Take	Audio	Video	Audio-Video
5th Tie, Input	1-32	Break	
5th Tie, Output	1-32	All	
5th Tie, Take	Audio	Video	Audio-Video
6th Tie, Input	1-32	Break	
6th Tie, Output	1-32	All	
6th Tie, Take	Audio	Video	Audio-Video
7th Tie, Input	1-32	Break	
7th Tie, Output	1-32	All	
7th Tie, Take	Audio	Video	Audio-Video
8th Tie, Input	1-32	Break	
8th Tie, Output	1-32	All	
8th Tie, Take	Audio	Video	Audio-Video
Audio Mute 1-32	On	Off	
Executive Mode	1	2	Off
Global Audio Mute	On	Off	

Network communication:

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

Port Type:	Ethernet
Logon Credentials Supported:	Yes
Default Port:	23
Multi-Connection Capable:	Yes
Port Changeable:	Yes

Ethernet Driver Configuration Description:

Please refer to user manual for settings and changes to the network communication parameters such as: User Name, Passwords and Port Number.

Notes for the Device: