

This document provides additional assistance with wiring your Extron IP Link® Pro Series 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® Pro Series enabled product or the controlled device manufacturer supplied documentation.

## Device Specifications

Device Type: Other  
Manufacturer: Sennheiser  
Firmware Version: 0.9.21.dbg  
Model(s): TeamConnect Bar S - TEST

## Tested on the Following Software and Firmware Versions

GC (Plus, Pro) Version	3.23.0.5
IP Link Pro Control Processor Firmware	3.17.0000-b002
MediaLink Plus Controller Firmware	3.04.0000-b001
IP Link Pro Control Processor xi Firmware	1.08.0000-b005
MediaLink Plus Controller Firmware	3.04.0000-b001
HC 400 Series Firmware	2.11.0001-b004
TLP Pro x25 and TLC Pro x26 Series Firmware	3.10.0000-b002
TLP Pro 300M Firmware	1.05.0000-b002

## Version History

Driver Version	Date	Notes
1_0_0	3/21/2024	Extron Certified. Tested on TeamConnect Bar S. Test Version.

## Driver Notes

- The “SSL Verify Mode” driver parameter (“On” by default) must be set appropriately:
  - “On” if a certificate signed by a trusted Certificate Authority (CA) is loaded to the device.
  - “Off” if a self-signed certificate is loaded to the device.
    - Off will only work with IP Link Control Processor Firmware 3.04.0001-b002 and above.
    - A self-signed certificate may already be loaded by factory default, therefore, Off must be used.

## Driver Timings

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

## Control Commands & States

Bluetooth Mode			
Value	Enabled		Disabled
Exclusion Zone Mode			
Zone	1 – 3		
Value	On	Off	
Identify			
Value	On	Off	
Internal Mic Custom EQ			
125	-8 – 8		
250	-8 – 8		
500	-8 – 8		
1K	-8 – 8		
2K	-8 – 8		
4K	-8 – 8		
8K	-8 – 8		
Value	None		
Internal Mic Noise Gate Mode			
Value	Activated		Deactivated
LED Brightness			
Value	Off	1 – 5	
Microphone Mute			
Value	Activated		Deactivated
Priority Zone Mode			
Value	On	Off	
Sound Profile			
Value	Wallmount	Table Top	Under Display
	Above Display	Free Standing	Custom

Speaker Custom EQ	
125	-8 – 8
250	-8 – 8
500	-8 – 8
1K	-8 – 8
2K	-8 – 8
4K	-8 – 8
8K	-8 – 8
Value	None
Speaker Output	
Value	0 to 100 in steps of 1 %

## Status Available

Bluetooth Input Level			
Value	-60 – 0		
Bluetooth Mode			
Value	Enabled	Disabled	
Connection Status <sup>RP</sup>			
Value	Connected	Disconnected	
Device Location			
Value	String		
Device Name			
Value	String		
Device Product			
Value	String		
Device Serial Number			
Value	String		
Device State			
Value	String		
Exclusion Zone Mode			
Zone	1 – 3		
Value	On	Off	
Identify			
Value	On	Off	
Internal Mic Beam			
Value	16 – 165		
Internal Mic Custom EQ Status			
Frequency	125	250	500
	1K	2K	4K
	8K		
Value	-8 – 8		

<b>Internal Mic Level</b>			
<b>Value</b>	-60 – 0		
<b>Internal Mic Noise Gate Mode</b>			
<b>Value</b>	Activated	Deactivated	
<b>LED Brightness</b>			
<b>Value</b>	Off	1 – 5	
<b>Microphone Mute</b>			
<b>Value</b>	Activated	Deactivated	
<b>Priority Zone Mode</b>			
<b>Value</b>	On	Off	
<b>Sound Profile</b>			
<b>Value</b>	Wallmount Above Display	Table Top Free Standing	Under Display Custom
<b>Speaker Custom EQ Status</b>			
<b>Frequency</b>	125	250	500
	1K	2K	4K
	8K		
<b>Value</b>	-8 – 8		
<b>Speaker Output</b>			
<b>Value</b>	0 to 100 in steps of 1 %		
<b>USB Input Level</b>			
<b>Value</b>	-60 – 0		

<sup>RP</sup> Connection Status is based off of the following string: <https://IP-ADDRESS/api/audio/inputs/internalMic/mute>

## Network communication

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

<b>Port Type:</b>	Ethernet (HTTPS)
<b>Default Port:</b>	443
<b>Logon Credentials</b>	Yes
<b>Supported:</b>	
<b>Multi-Connection</b>	Yes
<b>Capabilities:</b>	
<b>Port Changeability:</b>	No

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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

For driver functionality, please ensure that 3rd Party Access is enabled within the “Access” tab of the device properties.