

# IP Link® Device Interface Ethernet Communication Sheet

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: Video Conference  
Manufacturer: LifeSize  
Firmware Version: N/A  
Model(s): Team 220

**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
7	3/24/2014	Added microphone select command.
6	3/4/2014	Added Audio Output command.
5	8/16/2013	Fixed volume feedback and added Camera Select command.
3	03/03/2012	Brought driver to the latest Audio/Video conference standards. Added Dynamic Text functionality.
2	03/28/2011	Added Microphone Select command. Remove automatic layout selection on press/release commands.
1	09/10/2010	Initial version.

**Driver Notes:**

- Pan-Tilt/ Zoom commands have press/release functionality. The stop command can be used in conjunction with these commands and is intended for configuration purposes.
- The driver includes optimization to the following features:
  - Dynamic Text
  - Dialing Feedback
  - Volume

**Dialing Configuration:**

The Keypad is configured to display the digits on the field located at the top of the page. When the desired number is entered press the Call button, which is bound with the Phone - Call command, and that will connect you with the number you entered.

The Delete button will delete the last number displayed on the touch panel and is configured with the press/repeat functionality. The Clear button will clear all numbers entered.

The Label on the top of the page, "Please enter a number and press Call", is configured in GUI Configurator with an ID range of 50000-50020 and with the Dynamic text parameter enabled.

# IP Link® Device Interface Ethernet Communication Sheet

## Control Commands & States:

<b>Audio Output</b>	Phone	Room	HDMI
<b>Auto Answer</b>	On	Off	
<b>Auto Focus</b>	On	Off	
<b>Camera Preset Recall</b>	1-19		
<b>Camera Preset Save</b>	1-19		
<b>Camera Select</b>	Primary	Secondary	
<b>Dial Keypad</b>	0-9 #	. Delete	* Clear
<b>Directory Dial</b>	1-4		
<b>Directory Page</b>	First Last	Next	Previous
<b>Dynamic Text ID</b>	50000 – 50020		
<b>Hook</b>	On End All	Off	Flash
<b>Input (Far)</b>	1-3		
<b>Input (Near)</b>	1-3		
<b>IR Remote Emulation</b>	Call Circle Left Down Mute Far-Near Mode* # Yellow Green	Hang Up Back Right Volume Down Zoom In Layout* 0-9 Home Red	Square OK Up Volume Up Zoom Out Input* * Directory Blue
<b>Layout</b>	1-20		

# IP Link® Device Interface Ethernet Communication Sheet

<b>Menu Navigation</b>	Up Right Back	Down Enter	Left Home
<b>Microphone Select</b>	Auto Line Mic (No EC) Line 2 (No EC)	Phone Line 1 Line (No EC)	Mic Line 2 Line 1 (No EC)
<b>Pan-Tilt (Far)</b>	Left Down	Right Stop	Up
<b>Pan-Tilt (Near)</b>	Left Down	Right Stop	Up
<b>Phone Call</b>	Call End All	Flash	Hang Up*
<b>Picture In Picture</b>	On	Off	
<b>Power Management</b>	Wake	Sleep	
<b>Presentation</b>	Start	Stop	
<b>Quick Keys</b>	Red Green	Blue	Yellow
<b>Reboot</b>	Execute		
<b>Transmit Mute</b>	On	Off	
<b>Volume (Discrete)</b>	0 to 100 in steps of 2		
<b>Volume (Step)</b>	Up	Down	
<b>Zoom (Far)</b>	In	Out	Stop
<b>Zoom (Near)</b>	In	Out	Stop

\*These states are not supported by the VCU with the Silver Remote control.

# IP Link® Device Interface Ethernet Communication Sheet

**Status Available:**

<b>Audio Output</b>	Phone	Room	HDMI
<b>Auto Answer</b>	On	Off	
<b>Auto Focus</b>	On	Off	
<b>Camera Select</b>	Primary	Secondary	
<b>Call Status</b>	Not In Call	Off Hook	Connected
	Connecting	Disconnected	Disconnecting
	Valid Number	Dialing	Ringing
	Answered Number	Answered Consult	Call Encrypted
	Call Not Encrypted	Incoming	Status Unavailable
	Unreachable	Busy	
<b>Connection Status</b>	Connected	Disconnected	
<b>Input (Far)</b>	1-3		
<b>Input (Near)</b>	1-3		
<b>Layout</b>	1-20		
<b>Microphone Select</b>	Auto	Phone	Mic
	Line	Line 1	Line 2
	Mic (No EC)	Line (No EC)	Line 1 (No EC)
	Line 2 (No EC)		
<b>Phone Call</b>	Call	Flash	Hang Up
	End All		
<b>Picture In Picture</b>	On	Off	
<b>Transmit Mute</b>	On	Off	
<b>Volume (Discrete)</b>	0 to 100 in steps of 2		

## IP Link<sup>®</sup> Device Interface Ethernet Communication Sheet

Revision: 3/27/2014

---

---

### ***Network communication:***

<b>Port Type:</b>	Ethernet
<b>Default User Name:</b>	auto
<b>Default Password:</b>	lifesize
<b>Default Port:</b>	23
<b>Multi-Connection Capable:</b>	Yes
<b>Port Changeable:</b>	Yes
<b>Logon Credentials Supported:</b>	Yes

---

---

### ***Ethernet Driver Configuration Description:***

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

### ***Notes for the Device:***