

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.

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**Device Specifications:**

Device Type: Video Conference  
Manufacturer: Aethra  
Firmware Version: N/A  
Model(s): AVC 500

**Version History:**

Driver Version	Date	IP Link Compiler	GC Version	Notes
1	10/23/2012	1.5.1	3.3.2	Initial version.

**Driver Notes:**

This driver includes the following features:

- Volume Optimization
- Dialing Feedback

**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", can be configured in GUI Configurator with an ID range of 50000-50020 and with the Dynamic text parameter enabled.

**Control Commands & States:**

<b>Camera Preset Recall (Far)</b>	1-16		
<b>Camera Preset Recall (Near)</b>	1-16		
<b>Camera Preset Save (Far)</b>	1-16		
<b>Camera Preset Save (Near)</b>	1-16	1	2
<b>Dial Keypad</b>	0-9 #	. Delete	* Clear
<b>Dynamic Text ID</b>	50000-50020		
<b>Focus (Far)</b>	Far	Near	Stop
<b>Focus (Near)</b>	Far	Near	Stop
<b>Input (Far)</b>	Input 1-8		
<b>Input (Near)</b>	Input 1-8		
<b>IR Remote Emulation</b>	0-9 Home Disconnect Send VCR Camera PIP Right Memo Loc D. Zoom + Volume Up	* ? Phonebook Main View Up Left Select REM Video Privacy Mute	# Call Slide Doc Camera Self Down OK Auto D. Zoom - Volume Down
<b>Menu Navigation</b>	Up Right Back	Down Enter	Left Home
<b>Pan-Tilt (Far)</b>	Up Right	Down Stop	Left
<b>Pan-Tilt (Near)</b>	Up	Down	Left

## IP Link® Device Interface Communication Sheet

	Right	Stop	
<b>Phone Call</b>	Call	Answer	Hang Up
<b>PIP Mode</b>	On	Off	
<b>PIP Position</b>	Upper Left Bottom Right	Upper Right Off	Bottom Left
<b>Selfview</b>	On	Off	
<b>Transmit Mute</b>	On	Off	
<b>Video Privacy</b>	On	Off	
<b>Volume (Discrete)</b>	-44 to 20 in steps of 1		
<b>Volume (Step)</b>	Up	Down	
<b>Zoom (Far)</b>	In	Out	Stop
<b>Zoom (Near)</b>	In	Out	Stop

**Status Available:**

<b>Call Status</b>	Connected Status Unavailable	Ringing	Not In Call
<b>Connection Status</b>	Connected	Disconnected	
<b>Input (Far)</b>	Input 1-8		
<b>Input (Near)</b>	Input 1-8		
<b>Phone Call</b>	Call	Answer	Hang Up
<b>PIP Mode</b>	On	Off	
<b>PIP Position</b>	Upper Left Bottom Right	Upper Right Off	Bottom Left
<b>Selfview</b>	On	Off	
<b>Transmit Mute</b>	On	Off	
<b>Video Privacy</b>	On	Off	
<b>Volume (Discrete)</b>	-44 to 20 in steps of 1		

**MLC60 Series Supported Commands:**

<b>Camera Preset Recall (Far)</b>	1-16		
<b>Camera Preset Recall (Near)</b>	1-16		
<b>Camera Preset Save (Far)</b>	1-16		
<b>Camera Preset Save (Near)</b>	1-16	1	2
<b>Dial Keypad</b>	0-9	#	*
<b>Focus (Far)</b>	Far	Near	Stop
<b>Focus (Near)</b>	Far	Near	Stop
<b>Input (Far)</b>	Input 1-8		
<b>Input (Near)</b>	Input 1-8		
<b>IR Remote Emulation</b>	0-9	*	#
	Home	?	Call
	Disconnect	Phonebook	Slide
	Send	Main	Doc Camera
	VCR Camera	View	Self
	PIP	Up	Down
	Right	Left	OK
	Memo	Select	Auto
	Loc	REM	D. Zoom -
	D. Zoom +	Video Privacy	Volume Down
	Volume Up	Mute	
<b>Menu Navigation</b>	Up	Down	Left
	Right	Enter	Home
	Back		
<b>Pan-Tilt (Far)</b>	Up	Down	Left
	Right	Stop	
<b>Pan-Tilt (Near)</b>	Up	Down	Left
	Right	Stop	

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

<b>PIP Mode</b>	On	Off	
<b>PIP Position</b>	Upper Left	Upper Right	Bottom Left
	Bottom Right	Off	
<b>Selfview</b>	On	Off	
<b>Transmit Mute</b>	On	Off	
<b>Video Privacy</b>	On	Off	
<b>Volume (Discrete)</b>	-44 to 20 in steps of 1		
<b>Volume (Step)</b>	Up	Down	
<b>Zoom (Far)</b>	In	Out	Stop
<b>Zoom (Near)</b>	In	Out	Stop

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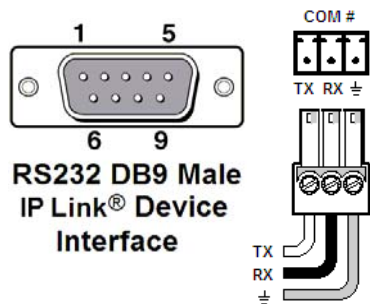
**Cable and Adapter Requirements:**

Mini-Din 8-pin with DB9 adapter.

**Notes for the Device:**

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**Serial communication:****Port Type:** RS-232**Baud Rate:** 9600**Data Bits:** 8**Parity:** None**Stop Bits:** 1**Flow Control:** None**Pin Assignments Diagram:**

Please contact the manufacturer for information on pin assignments.

Note: Captive screw connector may also be used as a serial connection.

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**General Notes:**