IP Link® Device Interface 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: Polycom
Firmware Version: N/A
Model(s):   HDX 9001, HDX 9002, HDX 9004, HDX 4000, HDX 7000, HDX 8000

Version History:

Driver Version	Date	IP Link Compiler	IP Link Firmware	GC2 Version	Notes
2	07/31/08	1.3.11.1	1.14	2.4.0	Added Menu Navigation, Released. Tested on HDX 9002.
1	05/06/08	1.3.11.1	1.12	2.4.0	Initial released version. Tested on HDX 7000.

Driver Notes:

To enable VGA input, toggle the Graphic Mode button.

To make a call using dial-tones select DTMF in Call Type and press keypad numbers. Tones will be emitted with each key press.

To make call using IP select H323 or H320 in Call Type and press keypad numbers for IP or ISDN to be called. To complete the call click in the Phone Call Execute button. The call will be placed and the number erased from the buffer (same as pressing "Phone Call – Clear").

This driver is not recommended to be configured as pass through.

IP Link® Device Interface Communication Sheet

Control Commands & States:

Auto Answer	On	Off	Do Not Disturb	
Call Type	H320	H323	DTMF	
Camera Control	Near	Far		
Camera Select (Far)	1 - 5			
Camera Select (Near)	1 - 6			
Camera Step	Left	Right	Up	Down
	In	Out		
Dial Keypad	0 - 9	*	#	.
Graphic Mode	Toggle			
Hook Flash	Execute			
Menu Navigation	Left	Right	Up	Down
	Home	Select	Back	Directory
Mute	On		Off	
PIP Position	Bottom Right	Top Right	Top Left	Bottom Left
PIP Swap	Execute			
Phone Call	Dial	Clear		
Picture In Picture	On	Off		
Preset Recall	Select	1 - 15		
Preset Save	Select	1 - 15		
System Mode	Sleep	Wake		
Video Call	Answer	Hang Up		
Volume (Step)	Up	Down		
Volume (Discrete)	0 to 50			

IP Link® Device Interface Communication Sheet

Status Available:

Auto Answer	On	Off	Do Not Disturb	
Call Status	Not in Call	Connecting	Connected	Status Unavailable
Call Type	H320	H323	DTMF	
Camera Control	Near	Far		
Camera Select (Far)	1 - 5			
Camera Select (Near)	1 - 6			
Connection Status	Connected	Disconnected		
Dial Keypad	0 - 9	*	#	.
Mute	On	Off		
PIP Position	Bottom Right	Top Right	Top Left	Bottom Left
Preset Recall	Select	1 - 15		
Preset Save	Select	1 - 15		
Volume	0 to 50			

Cable and Adapter Requirements:
F/F Null Modem Cable

Notes for the Device:

Serial communication:

Port Type:	RS232	**Parity:**	None
Baud Rate:	9600	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram:
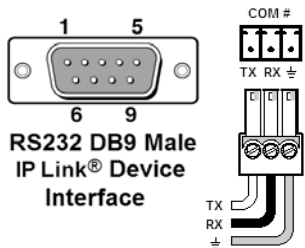
Signal	Pin	Main Cable	Pin	Signal
RX	2	╲ ╱	2	RD
TX	3	╱ ╲	3	TD
GND	5	————	5	GND

RS232 DB9 Male
IP Link® Device
Interface

RS232 DB9 Male
HDX Series
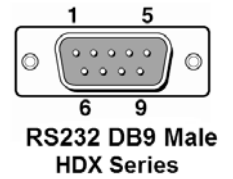
Note: Captive screw connector may also be used as a serial connection.

General Notes: