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 manufacturers supplied documentation.

Device specifications:

Type Name:	Video Projector
Manufacturer:	Sanyo
Firmware version:	N/A
Model(s):	PLC-XF10Z & PLC-XF12

Test setup:

Extron product:	IPL T S2
Firmware version:	1.04
GVC version:	1.2
Compiler version:	1.0.9.0

Driver notes:
Driver is a Beta version.

Control commands & states:

Power Control	On	Off
Input control	Computer 1	Video 1
	Computer 2	Video 2
Auto image	Auto PC adjust	
Video mute	No show on	No show off
Aspect ratio	Regular size	Wide size
Freeze control	Freeze on	Freeze off
Volume control	+	-
Audio mute	Sound mute on	Sound mute off

Status available:

Power status	Power on	Count down	Status unavailable
	Standby	Cooling down	
Device status	Power fail	Normal	Status unavailable
	No key input	Lamp off by power management	Lamp off & temperature warning by power management
	Temperature warning & cooling down	Temperature warning (power on)	Temperature warning & recovered
Lamp usage time	Lamp time		
Input control	Computer 1	Video 1	
	Computer 2	Video 2	
Connection status	Connected	Disconnected	

Cable and adapter requirements for Extron Electronics products:

Notes for devices:
Mini 8 pin Din to RS232 DB 9 which is supplied from the manufacturer.
Control cable (Serial Port) Type No: POA-MCSRL.
The protocol documents that the RTS/CTS must be tied together, however, verified with Technical Support
Specialist for Sanyo that "these pins do not come into play and it is not needed to be tied".
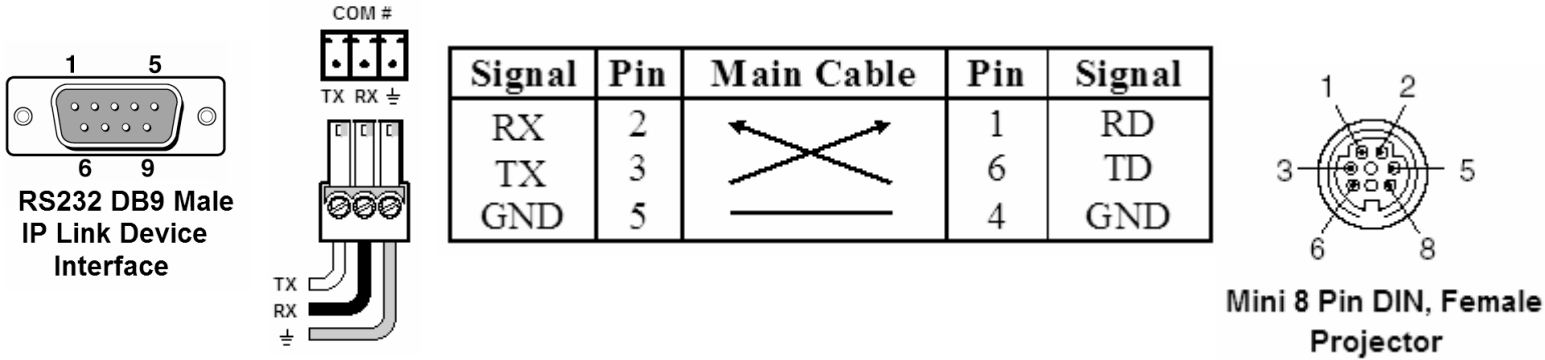
Serial communication:

Port Type:	RS-232 Dusb 9 Pin, female	**Parity:**	None
Baud Rate:	19200	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin assignments diagram:

COM #

TX RX ⏚

Signal	Pin	Main Cable	Pin	Signal
RX	2		1	RD
TX	3		6	TD
GND	5		4	GND

TX
RX
⏚

**RS232 DB9 Male
IP Link Device
Interface**

Mini 8 Pin DIN, Female
Projector

General notes:

Revision notes:

Version 2:   Optimized code. Scripts found to support additional models: PLC-XF10Z & PLC-XF12.

Version 3:   Removed PLC-XF10N & PLC-XF10NL Video Mute did not work, as tested in the field; control protocol did not list the correct command. This issue has been corrected. Since we are unable to confirm this change on the other models (XF10Z & PLC-XF12) they will be left in this package. The PLC-XF10N & PLC-10NL can now be found in sano_1_12.