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: Audio Processor
Manufacturer: Niles
Firmware Version: N/A
Model(s):   ZR-6

Version History:

Driver Version	Date	IP Link Compiler	GC Version	Notes
1	08/20/2009	1.4.0	3.0.0	Initial version.

Driver Notes:

Status is based on the current zone selected. If you wish to view status of other zones, you must select one of the values using the Zone Select command.

To use 'Tuner Frequency', simply select Tuner Band AM or FM, and press the numbers of the station frequency you wish to select. (You only have to set the Tuner Band once).

EX: User wishes to select station 98.1 FM
  1. Press the number '9'
  2. Press the number '8'
  3. Press the number '1'
  4. Press 'Enter'

EX: User wishes to select station 580 AM
  1. Press the number '5'
  2. Press the number '8'
  3. Press the number '0'
  4. Press 'Enter'

**IP Link® Device Interface
Communication Sheet**

Control Commands & States:

Audio Mute	On	Off	
Dial Keypad	0 – 9		
Input	Tuner	Input 2	Input 3
	Input 4	Input 5	Input 6
Menu Navigation	Up	Down	Left
	Right	Select	Enter
Power Control	Off/On		
Transport	Play	Pause	Stop
	Record	FFwd	Rew
	Next	Previous	Shuffle
	Group		
Tuner Band	AM	FM	
Tuner Frequency	1	2	3
	4	5	6
	7	8	9
	0	Enter	Clear
Tuner Frequency (Step)	Up	Down	
Tuner Preset	Next	Previous	
Volume (Step)	Up	Down	
Zone Select	1 – 18		

IP Link® Device Interface Communication Sheet

Status Available:

Audio Mute	On	Off	
Connection Status	Connected	Disconnected	
Input	Tuner	Input 2	Input 3
	Input 4	Input 5	Input 6
Volume Level Status	Range(0 – 100, 1)		

MLC62 Supported Commands:*

Audio Mute	On	Off	
Dial Keypad	0 – 9		
Input	Tuner	Input 2	Input 3
	Input 4	Input 5	Input 6
Menu Navigation	Up	Down	Left
	Right	Select	Enter
Power Control	Off/On		
Transport	Play	Pause	Stop
	Record	FFwd	Rew
	Next	Previous	Shuffle
	Group		
Tuner Frequency (Step)	Up	Down	
Tuner Preset	Next	Previous	
Volume (Step)	Up	Down	

*: Due to the complexity of this device, only Zone 1 is supported.

Cable and Adapter Requirements:

See wiring diagram below

Notes for the Device:

Serial communication:

Port Type:	RS-232	**Parity:**	None
Baud Rate:	9600	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram:

Signal	Pin	Main Cable	3.5mm	Signal
RxD	2	←	Tip	TxD
TxD	3	→	Ring	RxD
GND	5	—	Sleeve	GND
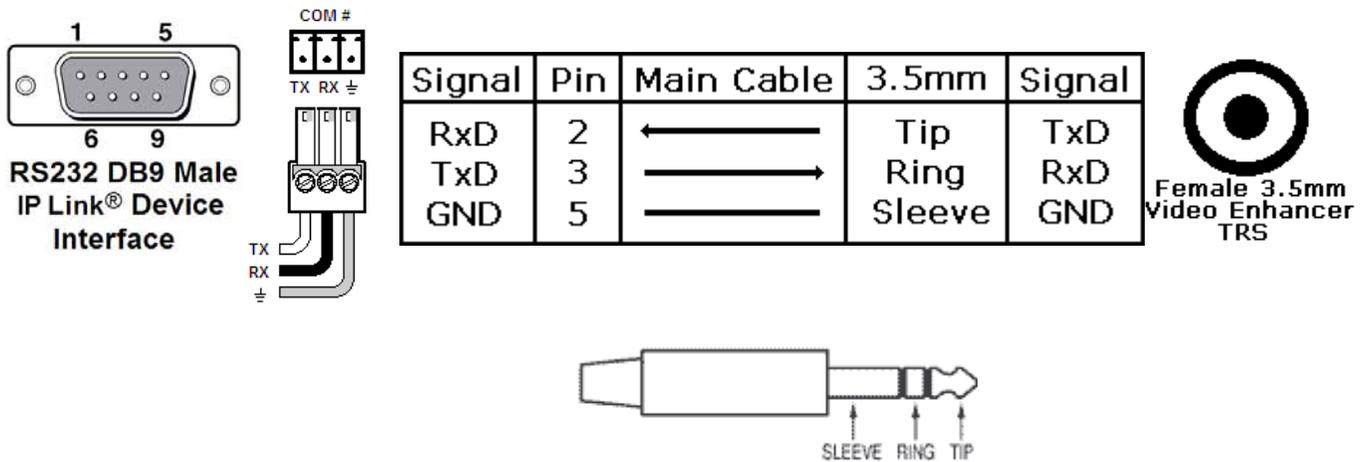
Note: Captive screw connector may also be used as a serial connection.

General Notes: