PC Control Connectors and Cables for NEC Projectors

V8.1

Sharp NEC labels the connector for RS232C serial communication the "PC Control" port.
This PC Control port can be used for the following functions:

- Communication from an AMX, Crestron or Extron control system.

- Communication from a PC using the NEC PC Control Utility for basic projector control.

- Communication from a PC using the NEC Geometric Correction Tool for adjusting a projector to display an image on a cylindrical, spherical or corner screen.

- Communication from a PC using the NEC Image Express Utility to send images to the projector for presentations as well as basic projector control, projector lamp and error status or asset management. (These functions can also be accomplished via LAN or USB with models that have a network interface, optional network PC card or USB interface)

Sharp NEC uses two types of connectors for the PC Control port, a D-Sub 9pin for larger projectors and a mini-DIN 8pin for smaller projectors due to space constraints on those models.

Models with D-Sub 9Pin PC Control port:

MC372X/MC382W/ME402X/ME372W/ME382U	PA653U/PA803U/PA853W/PA903X	PH2601QL/PH3501QL
MC453X/MC423W/ME453X/ME423W/ME403U	PA653UL/PA703UL/PA803UL	PV710UL/PV800UL
M430WL/M380HL	PA804UL/PA1004UL	PX803UL/PX1004UL/PX1005QL
P474W/P474U/P554W/P554U	PA1505UL/PA1705UL	PX2000UL/PX2201UL
P525WL/P525UL/P605UL	PE455WL/PE455UL	UM361X/UM351W/UM352W
P547UL/P627UL	PE506WL/PE506UL/PE456USL	UM383WL
P506QL		

A standard D-Sub 9P female to D-Sub 9P female "Null Modem" or "Cross" cable can be obtained at a local computer or electronics store. A "Straight Through" cable will not work.
If you prefer to assemble your own cable, you can use the pin out information below.

D-Sub 9P Female		D-Sub 9P Female	
RxD	Pin 2	Pin 2	RxD
TxD	Pin 3	Pin 3	TxD
GND	Pin 5	Pin 5	GND
	Pin 7	Pin 7	
	Pin 8	Pin 8	

*Tie Pin 7 & 8 together at both ends of the cable if desired

To TxD of PC
To RxD of PC
To GND of PC

1 2 3 4 5
6 7 8 9

To RTS of PC
To CTS of PC