

Partner: NEC
Model: NP40 + NP50 + NP60
Device Type: Video Projector



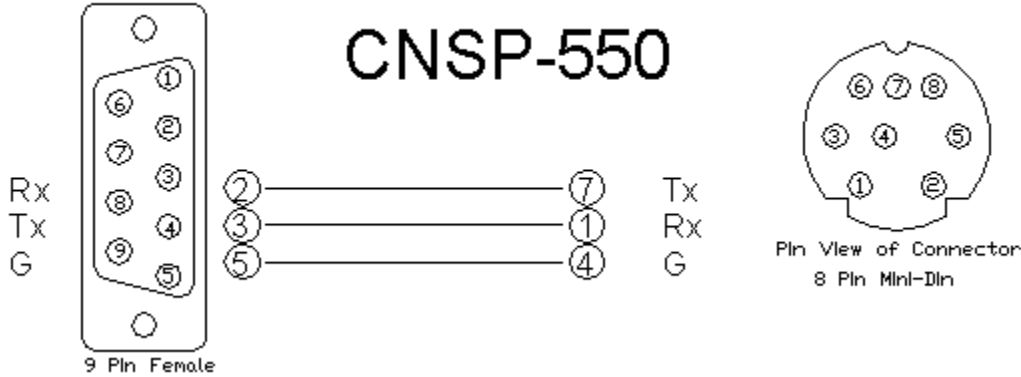
GENERAL INFORMATION

SIMPLWINDOWS NAME:	NEC NP40 + NP50 + NP60 v1.1
CATEGORY:	Video/Data Projector
VERSION:	1
SUMMARY:	This module will control NEC NP40 + NP50 + NP60 Projectors.
GENERAL NOTES:	<p>This module was tested with an NP40, but should also work with NP50 and NP60 Projectors. True feedback is provided for power, inputs, mutes and picture settings. When any command is sent to the projector, it will acknowledge that the command was processed properly and the corresponding feedback will be reflected at the outputs of this module. If it is desired to poll the projector for changes made using the IR remote control, or by the controls on the projector itself, you can assert the Poll_Enable input. When this input is high, the projector will be polled every 5 seconds to determine the state of power, inputs, mutes and elapsed lamp hours.</p> <p>Typically, you could enable the polling option when the projector's particular control page is active and displayed on a touch panel. You would then disable polling at other times.</p> <p>Note: Not all input commands available on all models.</p>
CRESTRON HARDWARE REQUIRED:	C2I-COM6, C2NCOM-2/3, CNX-COM6, CNX-COM2, ST-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 38,400 Parity: n Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	N/A
CABLE DIAGRAM:	CNSP-550

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Rear View of Connector



CONTROL:

Power_On/Off/Toggle	D	Pulse to turn the projector on and off.
Input_*	D	Pulse to select the desired input.
Picture_Mute_On/Off/Toggle	D	Pulse to turn the picture mute on and off.
OSD_Mute_On/Off/Toggle	D	Pulse to turn the OSD mute on and off.
Remote_Key_*	D	Pulse to invoke a remote key code (emulates IR code - non polling)
Poll_Enable	D	Hold high to enable polling. When high, the screen will be polled for its general settings every 5 seconds
From_Device\$	S	Serial signal to be routed from a 2-way serial com port.

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**FEEDBACK:**

Power_On/Off_Fb	D	High to indicate the current power state.
Input_*_Fb	D	High to indicate the current input state.
No_Signal_Fb	D	High to indicate the current signal not present state.
Picture_Mute_On/Off_Fb	D	High to indicate the current picture mute state.
OSD_Mute_On/Off_Fb	D	High to indicate the current On Screen Display mute state.
Lamp_Hours	A	Analog decimal value indicating the current lamp hours.
To_Device\$	S	Serial signal to be routed to a 2-way serial com port.

TESTING:

OPS USED FOR TESTING:	PRO2: 3.155.1143
SIMPL WINDOWS USED FOR TESTING:	2.08.38
CRES DB USED FOR TESTING:	18.7.8
SYMBOL LIBRARY USED FOR TESTING:	472
SAMPLE PROGRAM:	NEC NP40 + NP50 + NP60 v1.1 Demo PRO2.smw
REVISION HISTORY:	V. 1.1 added remote key codes