

Partner: NEC
Model: Plasma
Device Type: Plasma Panel

GENERAL INFORMATION

SIMPLWINDOWS NAME:	CMS NEC Plasma Basic Controls
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module provides control and true feedback for most NEC Plasma displays.
GENERAL NOTES:	<p>This macro will control all the basic functions of an NEC plasma screen.</p> <p>For all commands sent to the screen (except volume), an acknowledgement from the screen is waited for before updating the corresponding -FB output of the macro. The -FB outputs will not go high unless a valid acknowledgement is received for the command sent. This is the limit of the feedback provided by the screen. There is no polling supported for power, mode, mute, volume, or OSM.</p> <p>For source selection, polling is supported. If you pulse the POLL-SOURCE input of the macro, the currently selected source will be reflected at the SOURCE-* -FB output. If it is desired to continuously monitor the currently selected source, you could attach an oscillator to the POLL-SOURCE input.</p> <p>These polling limitations mean that if somebody activates a power, mode, osm, mute, or volume function using the infra-red remote, or the buttons on the screen, these actions will not be reflected on the Crestron system.</p>
CRESTRON HARDWARE REQUIRED:	C2-COM, CNXCOM, ST-COM
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: Odd Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	None
CABLE DIAGRAM:	CNSP-124

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CONTROL:

Power_On/Off/Toggle	D	Pulse to turn the Plasma on or off.
Source_*	D	Pulse to select the input.
Mode_*	D	Pulse to select one of the four available picture modes
Volume-Up/Down	D	Press and hold to ramp the volume up or down
Mute-On/Off	D	Pulse to mute/unmute the audio
OSM-On/Off	D	Pulse to activate/deactivate the on screen menu
Poll-Source	D	Pulse to request the currently selected source
NEC-RX\$	S	Serial signal to be routed from a 2 way RS232 port

FEEDBACK:

Power-On/Off-Fb	D	High to indicate the current power state.
Source-*-Fb	D	High to indicate the current input.
Mode-*-Fb	D	High to indicate the current picture mode
Volume-Bar	A	Indicates current volume level of Plasma
Mute-On/Off-Fb	D	Indicates current volume mute state
OSM-On/Off-Fb	D	Indicates if On Screen Menu is on/off
NEC-TX\$	S	Serial signal to be routed to a 2-way RS232 port

TESTING:

OPS USED FOR TESTING:	PRO2: v3.137
COMPILER USED FOR TESTING:	Simpl Windows 2.07.32
SAMPLE PROGRAM:	CMS NEC Plasma Demo.smw
REVISION HISTORY:	V. 1.0