

SIMPLWINDOWS NAME: Sony PFM500/510 Plasma Screen (Basic Control)

CATEGORY: Monitor

VERSION: 1.0

SUMMARY: Control power and source select with real-time feedback

GENERAL NOTES: This module will control a Sony PFM-500/510 plasma screen. It will control all standard functions, not including picture adjustments. Real-time feedback is provided for power status and input selected.

The RS232-ON input must be pulsed before any other inputs on the module will function. Once the RS232 is turned on, there should be no need to turn it off. The infrared remote continues to function when RS232 mode is on.

Note that some of these functions (such as still, zoom, etc.) may not be valid for all plasma screen models. Consult your owners manual to see which functions your screen supports.

The module will automatically poll the plasma screen for power and input status for 30 seconds after any function is activated on the module. After 30 seconds, polling will stop. If it is desired to poll the screen continuously, you can assert the CONSTANT-POLL-ENABLE input. If this input is held high, the screen will be polled continuously for power and input status. This input should be either held high or low...it should not be pulsed.

CRESTRON HARDWARE: CNXCOM, CNXCOM-2, ST-COM

SETUP OF CRESTRON HARDWARE: Baud Rate - 9600
Parity - None
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: None

VENDOR SETUP: None

CABLE DIAGRAM:

Crestron	to	Sony
9 pin D	to	8 pin mini DIN
2	to	3
3	to	5
5	to	4

CABLE NUMBER: T.B.D

CONTROL:

RS232-ON/OFF	D	Activate/deactivate RS232 mode. This must be activated before any other functions will work
POWER-ON/OFF	D	Turn the power on or off. True feedback will be reflected at the POWER-ON/OFF-FB outputs
SOURCE-*	D	Select any of the five available sources. True feedback will be reflected at the SOURCE-*-FB outputs
STILL-ON/OFF	D	Turn still mode on/off. May not be available on all models of plasma screen

COLOR-TEMP-HIGH/LOW	D	Turn color temperature to high or low level. May not be available on all models of plasma screen
PICTURE-AGC-ON/OFF	D	Turn automatic gain control on/off. May not be available on all models of plasma screen
ZOOM-*	D	Activate any of the four different zoom settings. May not be available on all models of plasma screen
ASPECT-*	D	Activate either aspect ratio. May not be available on all models of plasma screen
ENHANCE-*	D	Turn enhance mode to high or low. May not be available on all models of plasma screen
DISPLAY-MODE-*	D	Turn display mode on/off. May not be available on all models of plasma screen
NEG-POS-*	D	Activate/deactivate negative picture mode. May not be available on all models of plasma screen
MEMORY-*	D	Activate any of the five available memory settings
RESET-PICTURE-SIZE	D	Resets the picture size to the default settings. Includes horizontal size/shift and vertical size/shift
CONSTANT-POLL-ENABLE	D	Hold high to enable constant polling for power and source status. If low, the screen will only be polled for 30 seconds after any module functions are activated
SONY-RX\$	S	Serial data signal to be routed from a 2-way RS232 port

FEEDBACK:

POWER-ON/OFF-FB	D	True feedback indicating the state of power
SOURCE-*-FB	D	True feedback indicating which source is currently selected
SONY-TX\$	S	Serial data signal to be routed to a 2-way RS232 port

OPS USED FOR TESTING:	5.10.11x
COMPILER USED FOR TESTING:	SimplWindows Version 1.40.07
SAMPLE PROGRAM:	Sony PFM-500-510 Basic Control Sample Program
REVISION HISTORY:	None