

Partner: projectiondesign
Model: F32 sx+
Device Type: DLP Projector



GENERAL INFORMATION

SIMPLWINDOWS NAME:	projectiondesign F32 sx+ IP v1.0
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module will control the projectiondesign F32 sx+ via TCP/IP.
GENERAL NOTES:	<p>This module will control the following functions of the projectiondesign F32 sx+ Projector: Power, Source Select, Picture Mute, Aspect Ratio, Menu control and navigation, Contrast, Brightness, Color, Picture Freeze, IR front sensor, vertical keystone, auto sync and the acquisition of elapsed lamp hour usage. True feedback is provided for most functions. When any command is sent to the projector, the module will acknowledge that the command was processed and the corresponding feedback will be reflected at the outputs of this module.</p> <p>When the Poll_Enable input is asserted (Default =1), the projector will be polled every 15 seconds to determine the state of power. If it is desired to poll the projector for picture setting changes made using the IR remote control, or by the controls on the projector itself, you can assert the Poll_Settings input (Default =1). When this input is high, the projector will be polled every 45 seconds to determine the state of the projector settings. Typically, you could enable this 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: Auto source selection must be disabled for proper module operation.</p> <p>This module is SystemBuilder compatible.</p>
CRESTRON HARDWARE REQUIRED:	C2NENET-1, C2NENET-2
SETUP OF CRESTRON HARDWARE:	TCP/IP Port 1025d is the default.
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	None
CABLE DIAGRAM:	N/A

CONTROL:

Power_On/Off/Toggle	D	Pulse to turn the projector on or off.
Input_*	D	Pulse to select the desired input.
Aspect_*	D	Pulse to select the desired aspect.
Contrast_Up/Down	D	Press to adjust the contrast level.

Partner: projectiondesign
Model: F32 sx+
Device Type: DLP Projector



Brightness_Up/Down	D	Press to adjust the brightness level.
Color_Up/Down	D	Press to adjust the color level.
Focus_Up/Down	D	Press to adjust focus.
Zoom_Up/Down	D	Press to adjust zoom.
Menu	D	Pulse to display on screen menu.
Up/Down/Left/Right	D	Pulse to navigate through the on screen menu.
OK	D	Pulse to select highlighted item in on screen menu.
Auto_Sync	D	Pulse to auto sync image.
Vertical_Keystone+/-	D	Press to adjust the vertical keystone setting by.
Picture_Mute_On/Off/Toggle	D	Pulse to turn picture mute on or off.
Picture_Freeze_On/Off/Toggle	D	Pulse to turn picture freeze mode on or off.
IR_Front_Sensor_On/Off/Toggle	D	Pulse to enable/disable IR front sensor.
Poll_Settings	D	Set high to enable polling of the projector for remaining settings' status.
Poll_Enable	D	Set high to enable polling of the projector for power and source status.
{{TCP/IP_Client_>>_Connect-F}}	D	To be connected to the "Connect_F" input on the TCP/IP client definition.
{{TCP/IP_Client_>>_status}}	A	To be connected to the "status" input on the TCP/IP client definition that will be communicating with the WUX10.
{{TCP/IP_Client_>>_RX\$}}	S	To be connected to the "RX\$" input on the TCP/IP client definition that will be communicating with the WUX10.

FEEDBACK:

Power_Is_On/Off	D	High to indicate the current power state.
Input_Is_*	D	High to indicate the currently selected input.
Aspect_Is_*	D	High to indicate the currently selected aspect ratio.
Contrast_Gauge	A	Analog value indicating contrast level. For gauge object on touchpanel.
Brightness_Gauge	A	Analog value indicating brightness level. For gauge object on touchpanel.

Partner: projectiondesign
Model: F32 sx+
Device Type: DLP Projector



Color_Gauge	A	Analog value indicating color level. For gauge object on touchpanel.
Lamp_Hours	A	Analog value indicating current lamp hours.
Picture_Mute_Is_On/Off	D	High to indicate current picture mute status.
Picture_Freeze_Is_On/Off	D	High to indicate current freeze status.
IR_Front_Sensor_Is_On/Off	D	High to indicate if the IR front sensor is enabled or not.
Connect-F	D	High to indicate that there is an IP connection to the plasma.
Connection_Status_Text	S	Indicates the current IP connection status to the plasma.
{{Connect_>>_TCP/IP_Client}}	D	To be connected to the "Connect" output on the TCP/IP client definition that will be communicating with the WUX10.
{{TX\$_>>_TCP/IP_Client}}	S	To be connected to the "TX\$" output on the TCP/IP client definition that will be communicating with the WUX10.

TESTING:

OPS USED FOR TESTING:	4.001.1012
SIMPL WINDOWS USED FOR TESTING:	2.11.18
DEVICE DB USED FOR TESTING:	20.10.005.00
CRES DB USED FOR TESTING:	20.05.021.00
SYMBOL LIBRARY USED FOR TESTING:	608
SAMPLE PROGRAM:	projectiondesign F32 sx+ IP v1.0 Demo PRO2
REVISION HISTORY:	v1.0