Partner: Sharp
Model: LC-70LE745U
Device Type: LCD Display

CRESTRON CERTIFIED **INTEGRATED** PARTNER

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Sharp LC-70LE745U IP v1.0
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module provides TCP/IP control and feedback for the Sharp LC-70LE745U.
GENERAL NOTES:	This module provides TCP/IP control of the Sharp LC-70LE745U LCD Display. It also provides true feedback. It was developed and tested with the Sharp LC-70LE745U. It should also control the following models: LC-60LE745U LC-80LE844U LC-70LE847U LC-60LE847U Note: Not all functions are available on all models. This module is System Builder Compatible.
CRESTRON HARDWARE REQUIRED:	C2ENET-*, C2I-MC3CNET-1
SETUP OF CRESTRON HARDWARE:	TCP/IP Client Port: 10002
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	To initially enable IP control, the unit should manually be turned on while connected to the control processor. The processor will then send a command to the unit to enable its TCP/IP port. From that point on control will be enabled.
CABLE DIAGRAM:	Cat5E

CONTROL:

Power_<On/Off/Toggle>	D	Pulse to turn the display on and off.
Input_*	D	Pulse to select the desired input.
AV_Mode_*	D	Pulse to select the desired av mode.
Aspect_*	D	Pulse to select the desired aspect ratio.
Effect_3D_*	D	Pulse to select the desired 3D effect.
Keypad_<1..0/Dot>	D	Pulse to enter the desired TV channel number. The entered number will not be sent until the Keypad_Enter is pulsed.

Keypad_Clear	D	Pulse to clear the channel number entered using the Keypad_<1…0/Dot> inputs.
Keypad_Enter	D	Pulse to send the channel number entered using the Keypad_<1…0.Dot> inputs.
Channel_<Up/Down>	D	Pulse to change the channel.
Air	D	Pulse to set the TV to the analog antenna.
Cable	D	Pulse to set the TV to cable.
Volume_<Up/Down>	D	Press and hold to adjust the volume level.
Volume_Mute_<On/Off/Toggle>	D	Pulse to turn the volume mute on and off.
Sleep_Off	D	Pulse to turn the sleep timer off.
Sleep_<30/60/90/120>_Minutes	D	Pulse to set the sleep time.
Audio_Mode	D	Pulse to cycle through the audio modes.
Surround_Mode	D	Pulse to cycle through the surround modes.
Closed_Caption	D	Pulse to cycle through the closed caption settings.
IR_Emulation_*	D	Pulse to send the IR emulation commands.
{{TCP/IP_Client_>>_Connect-F}}	D	Digital signal to be routed from the Connect-F output on the TCP/IP client symbol.
{{TCP/IP_Client_>>_status}}	A	Analog signal to be routed from the status output on the TCP/IP client symbol.
{{TCP/IP_Client_>>_RX$}}	S	Serial signal to be routed from the RX$ output on the TCP/IP client symbol.

FEEDBACK:

Power_Is_<On/Off>	D	High to indicate the current power state.
Input_Is_*	D	High to indicate the currently selected input.
AV_Mode_Is_*	D	High to indicate the currently selected av mode.
Aspect_Is_*	D	High to indicate the currently selected aspect ratio.
Effect_3D_Is_*	D	High to indicate the currently selected 3D effect.
Channel_Request_Text	S	Serial signal indicating the currently entered channel request to be sent to the display.

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<Air/Cable>_Selected	D	High to indicate the current TV tuner selection.
Volume_Level	A	Analog signal indicating the volume level. To be displayed using a digital gauge on a touch panel.
Volume_Gauge	A	Analog signal indicating the volume level. To be displayed using a gauge on a touch panel.
Volume_Mute_Is_<on/Off>	D	High to indicate the current volume mute setting.
Sleep_Is_*	D	High to indicate the current sleep timer setting.
Connected	D	High to indicate that the TCP/IP client is connected.
Connection_Status_Text	S	Serial signal indicating the connection status.
{{Connect_>>_TCP/IP_Client}}	D	Digital signal to be routed to the connect input on the TCP/IP client symbol.
{{TX$_>>_TCP/IP_Client}}	S	Serial signal to be routed to the TX$ input on the TCP/IP client symbol.

PARAMETER:

Port Number	P	Port number for the TCP/IP Client. This is used for System Builder. Default is 10002d.

TESTING:

OPS USED FOR TESTING:	2 Series: v4.003.0015 3 Series: v1.002.0000
SIMPL WINDOWS USED FOR TESTING:	3.11.06
DEVICE DB USED FOR TESTING:	40.05.010.00
CRES DB USED FOR TESTING:	30.05.014.01
SYMBOL LIBRARY USED FOR TESTING:	799
SAMPLE PROGRAM:	Sharp LC-70LE745U IP v1.0 Demo PRO2 Sharp LC-70LE745U IP v1.0 Demo MC3
REVISION HISTORY:	v1.0 – Initial Release

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