

Partner: Sharp
Model: LC-80LE657U
Device Type: LCD Display



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Sharp LC-80LE657U IP v1.1
CATEGORY:	TV/Video Projector
VERSION:	1.1
SUMMARY:	This module provides TCP/IP control and feedback for the Sharp LC-80LE657U.
GENERAL NOTES:	<p>This module provides control of the Sharp LC-80LE657U LCD Display. It also provides true feedback. It was developed and tested with the Sharp LC-80LE657U. It should also control the following models (other model series listed inside module)</p> <p>LC-90LE657U LC-80LE657U LC-70LE657U LC-60LE657U</p> <p>Note: Not all functions are available on all models.</p> <p>This module is System Builder Compatible.</p>
CRESTRON HARDWARE REQUIRED:	C2ENET-*, C2I-CP3CNET-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 A/V mode.
Aspect_*	D	Pulse to select the desired aspect ratio.
Effect_3D_*	D	Pulse to select the desired 3D effect.

Partner: Sharp
Model: LC-80LE657U
Device Type: LCD Display



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 IR Emulation command.
{{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 A/V mode.

Partner: Sharp
Model: LC-80LE657U
Device Type: LCD Display



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.
<Air/Cable>_Selected	D	High to indicate the current TV tuner selection.
Volume_Level	A	Analog signal indicating the volume level.
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.

TESTING:

OPS USED FOR TESTING:	2-Series: v4.007.0004 3-Series: v1.005.0007
SIMPL WINDOWS USED FOR TESTING:	v4.02.20
DEVICE DB USED FOR TESTING:	v54.00.003.00
CRES DB USED FOR TESTING:	v43.05.006.00
SYMBOL LIBRARY USED FOR TESTING:	v888
SAMPLE PROGRAM:	2 Series: Sharp LC-80LE657U v1.1 Demo PRO2.smw 3 Series: Sharp LC-80LE657U v1.1 Demo PRO3.smw
REVISION HISTORY:	v1.0 – Original release v1.1 – Optimized for use with 3-Series Processors. Resolved issue with empty string being issued upon triggering the “Keypad_Enter” signal with no number entered.