

Partner: Sharp
Model: LC60LE925E
Device Type: LCD TV



GENERAL INFORMATION:

SIMPLWINDOWS NAME:	Sharp LC60LE925E v1.0.umc
CATEGORY:	3D LCD TV
VERSION:	V1.0
SUMMARY:	This module allows full control of a Sharp LC60LE925E 3D TV.
GENERAL NOTES:	<p>This module allows full control of a Sharp LC60LE925E 3D TV.</p> <p>It is possible to control power, input selection, AV mode, Volume, Aspect, Surround, Sleep timer, Text, 3D functions, TV, DTV.</p> <p>!!!!!!!!!!!!IMPORTANT!!!!!!!!!!!!</p> <p>On our unit we had to turn the "Hotel Mode" On, in order for the Power On command to work. If the Power On command does not work for your unit, please contact Sharp Support for the proper procedure to activate the "Hotel Mode" on your unit.</p> <p>!!!!!!!!!!!!IMPORTANT!!!!!!!!!!!!</p>
CRESTRON HARDWARE REQUIRED:	2-series processor and a free serial COM port.
SETUP OF CRESTRON HARDWARE:	<p>RS232</p> <p>Baud: 9600</p> <p>Parity: N</p> <p>Data Bits: 8</p> <p>Stop Bits: 1</p>
VENDOR FIRMWARE:	N/A
CABLE DIAGRAM:	RS232 Crossed cable.

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CONTROL:

Power On	D	Pulse to turn power on. (Please check general notes if this command does not work)
Power Off	D	Pulse to turn power off.
Input x	D	Pulse to select Input x.
Input TV	D	Pulse to select input TV.
Input DTV	D	Pulse to select input DTV.
EXT1 (Y/C)	D	Pulse to select Y/C on input 1.
EXT1 (CVBS)	D	Pulse to select CVBS on input 1.
EXT1 (RGB)	D	Pulse to select RGB on input 1.
EXT3 (COMP)	D	Pulse to select COMP on input 3.
EXT3 (RGB)	D	Pulse to select RGB on input 3.
AV Mode Standard	D	Pulse to select AV mode Standard.
AV Mode Movie	D	Pulse to select AV mode Movie.
AV Mode Game	D	Pulse to select AV mode Game.
AV Mode User	D	Pulse to select AV mode User.
AV Mode Dynamic(Fixed)	D	Pulse to select AV mode Dynamic(Fixed).
AV Mode Dynamic	D	Pulse to select AV mode Dynamic.
AV Mode PC	D	Pulse to select AV mode PC.
AV Mode xvYCC	D	Pulse to select AV mode xvYCC.
AV Mode Auto	D	Pulse to select AV mode Auto.
AV Mode Standard(3D)	D	Pulse to select AV mode Standard(3D).
AV Mode Movie(3D)	D	Pulse to select AV mode Movie(3D).
AV Mode Game(3D)	D	Pulse to select AV mode Game(3D).

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Volume Mute On	D	Pulse to turn the volume mute on.
Volume Mute Off	D	Pulse to turn the volume mute off.
Aspect Normal(AV)	D	Pulse to select aspect normal (AV).
Aspect Zoom 14:9 (AV)	D	Pulse to select aspect Zoom 14:9 (AV).
Aspect Panorama (AV)	D	Pulse to select aspect Panorama (AV).
Aspect Full (AV)	D	Pulse to select aspect Full (AV).
Aspect Cinema 16:9 (AV)	D	Pulse to select aspect Cinema 16:9 (AV).
Aspect Cinema 14:9 (AV)	D	Pulse to select aspect Cinema 14:9 (AV).
Aspect Normal (PC)	D	Pulse to select aspect Normal (PC).
Aspect Cinema (PC)	D	Pulse to select aspect Cinema (PC).
Aspect Full (PC)	D	Pulse to select aspect Full (PC).
Aspect DotByDot (AV/PC)	D	Pulse to select aspect DotByDot (AV/PC).
Aspect Underscan	D	Pulse to select aspect Underscan (AV).
Aspect Auto(USB-video/Home network-video)	D	Pulse to select aspect Auto(USB-video/Home network-video).
Aspect Original(USB-video/Home network-video)	D	Pulse to select aspect Original (USB-video/Home network-video).
Surround On	D	Pulse to turn the Surround On.
Surround Off	D	Pulse to turn the Surround Off.
Surround 3D Hall	D	Pulse to select Surround 3D Hall.
Surround 3D Movie	D	Pulse to select Surround 3D Movie.
Surround 3D Standard	D	Pulse to select Surround 3D Standard.
Sleep Off	D	Pulse to turn sleep timer Off.
Sleep XX Minutes	D	Pulse to set the sleep timer to XX minutes.
Text Off	D	Pulse to turn Text Off.
Text On	D	Pulse to turn Text On.

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Text Direct Page Jump	A	Optional analog value containing the page number of the Text page.
Display 3D Off	D	Pulse to turn 3D off.
Display 2D to 3D	D	Pulse to go from 2D to 3D mode.
Display 3D to 2D	D	Pulse to go from 3D to 2D mode.
Display Side By Side	D	Pulse to select display Side By Side mode.
Display Top And Bottom	D	Pulse to select display Top And Bottom mode.
Display 3D to 2D (Side by Side)	D	Pulse to select display 3D to 2D (Side by Side) mode.
Display 3D to 2D (Top And bottom)	D	Pulse to select display 3D to 2D (Top And bottom) mode.
Display 3D Auto	D	Pulse to select display 3D Auto mode.
TV Channel Up	D	Pulse to go to the next TV channel.
TV Channel Down	D	Pulse to go to the previous TV channel.
[TV Direct Channel]	A	Optional analog value that can be used to manually/preset enter a TV channel number.
DTV Channel Up	D	Pulse to go to the next DTV channel.
DTV Channel Down	D	Pulse to go to the previous DTV channel.
[DTV Direct Channel]	A	Optional analog value that can be used to manually/preset enter a DTV channel number.
Digital Network Change	D	Pulse to digital network change.
Volume Up	D	Pulse to increase volume.
Volume Down	D	Pulse to decrease volume.
[Manual Volume Level]	A	Optional analog value that can be used to manually enter / preset a volume level.
[DVB-S/S2 X Direct Channel]	A	Optional analog value that can be used to manually enter/preset a DVB-S/S2 X channel number.
Poll Statuses	A	Pulse to start a poll procedure to request statuses of: Power, Volume, Mute, AV mode, Aspect, Sleep, Surround, 3D and Text. Input is not polled!
From Device	S	Needs to be connected to the RX output of the connected COM port to the unit.

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FEEDBACK:

Power Is On	D	High to indicate that the power is on.
Power Is Off	D	High to indicate that the power is off.
Input X Is Selected	D	High to indicate that input X is selected.
Input X(HDMI X) Is Selected	D	High to indicate that Input X(HDMI X) is selected.
AV Mode Is Standard	D	High to indicate that the AV mode is set to Standard.
AV Mode Is Movie	D	High to indicate that the AV mode is set to Movie.
AV Mode Is Game	D	High to indicate that the AV mode is set to Game.
AV Mode Is User	D	High to indicate that the AV mode is set to User.
AV Mode Is Dynamic(Fixed)	D	High to indicate that the AV mode is set to Dynamic(Fixed).
AV Mode Is Dynamic	D	High to indicate that the AV mode is set to Dynamic.
AV Mode Is PC	D	High to indicate that the AV mode is set to PC.
AV Mode Is xvYCC	D	High to indicate that the AV mode is set to xvYCC.
AV Mode Is Auto	D	High to indicate that the AV mode is set to Auto.
AV Mode Is Standard(3D)	D	High to indicate that the AV mode is set to Standard(3D).
AV Mode Is Movie(3D)	D	High to indicate that the AV mode is set to Movie(3D).
AV Mode Is Game(3D)	D	High to indicate that the AV mode is set to Game(3D).
Volume Mute Is On	D	High to indicate that the volume is muted.
Volume Mute Is Off	D	High to indicate that the volume is unmuted.
Aspect Normal(AV) Is Selected	D	High to indicate that the Aspect is set to Normal(AV).
Aspect Zoom 14:9(AV) Is Selected	D	High to indicate that the Aspect is set to Zoom 14:9(AV).
Aspect Panorama(AV) Is Selected	D	High to indicate that the Aspect is set to Panorama(AV).
Aspect Full(AV) Is Selected	D	High to indicate that the Aspect is set to Full(AV).

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Aspect Cinema 16:9(AV) Is Selected	D	High to indicate that the Aspect is set to Cinema 16:9(AV).
Aspect Cinema 14:9(AV) Is Selected	D	High to indicate that the Aspect is set to Cinema 14:9(AV).
Aspect Normal(PC) Is Selected	D	High to indicate that the Aspect is set to Normal(PC).
Aspect Cinema(PC) Is Selected	D	High to indicate that the Aspect is set to Cinema(PC).
Aspect Full(PC) Is Selected	D	High to indicate that the Aspect is set to Full(PC).
Aspect DotByDot(AV/PC) Is Selected	D	High to indicate that the Aspect is set to DotByDot(AV/PC).
Aspect Underscan(AV) Is Selected	D	High to indicate that the Aspect is set to Underscan(AV).
Aspect Auto(USB-video/Home_network-video) Is Selected	D	High to indicate that the Aspect is set to Auto(USB-video/Home_network-video).
Aspect Original(USB-video/Home_network-video) Is Selected	D	High to indicate that the Aspect is set to Original(USB-video/Home_network-video).
Surround On Is Selected	D	Surround On Is Selected
Surround Off Is Selected	D	High to indicate that the Surround is turned off.
Surround 3D Hall Is Selected	D	High to indicate that the Surround is set to 3D Hall.
Surround 3D Movie Is Selected	D	High to indicate that the Surround is set to 3D Movie.
Surround 3D Standard Is Selected	D	High to indicate that the Surround is set to 3D Standard.
Sleep Is Off	D	High to indicate that sleep mode is off.
Sleep Is XX Minutes	D	High to indicate that sleep mode is set to XX Minutes.
Text Is Off	D	High to indicate that text is off.
Text Is On	D	High to indicate that text is on.
Display 3D Off Is Selected	D	High to indicate that 3D is turned off.
Display 2D to 3D Is Selected	D	High to indicate that 2D to 3D mode is selected.
Display 3D to 2D Is Selected	D	High to indicate that 3D to 2D mode is selected.
Display Side By Side Is Selected	D	High to indicate that Side By Side mode is selected.
Display Top And Bottom Is Selected	D	High to indicate that Top And Bottom mode is selected.
Display 3D to 2D (Side By Side) Is Selected	D	High to indicate that 3D to 2D (Side By Side) mode is selected.

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Display 3D Auto Is Selected	D	High to indicate that 3D Auto mode is selected.
Volume Bar	A	Analog value containing the scaled Volume_FB to connect to a slider/gauge.
Volume Fb	A	Analog value containing the volume value. (0-60)
To Device	S	Needs to be connected to the TX input of the connected COM port to the unit.

TESTING:

OPS USED FOR TESTING:	PRO2 4.001.1012 (Feb 17 2009)
SIMPL WINDOWS USED FOR TESTING:	2.12.44
CRESTRON DB USED FOR TESTING:	23.05.010.00
DEVICE DB USED FOR TESTING:	31.00.003.00
SAMPLE PROGRAM:	Sharp LC60LE925E v1.0 PRO2 Demo.smw
REVISION HISTORY:	V. 1.0