LG 2018 ETHERNET V1.3 DRIVER

RELEASE

Crestron Electronics, Inc.

REVISION HISTORY

Version	Date	Comments	Author
1.0	10/25/2018	Initial release	Casey Blicharz
1.1	11/14/2018	Adding missing signals	Casey Blicharz
1.2	11/15/2018	Correcting symbol category	Casey Blicharz
1.3	11/16/2018	Removed Gallery signal	Jasson Guevara

1   INPUTS

Name	Type	Description
Initialize	D	Loads the driver assembly, initializes it with <IP Address> and <Port>, and connects to the device.
IP Address	S	The IP Address of the LG 2018 display.
Port	A	The port value used when making a socket connection to the device. If left blank or set to 0, the driver will use its default value of 9761.
Passcode	S	This is required to control the display. All Settings > Network - While Network is highlighted press 828888 on the remote and generate a key code.
SetPassCode	D	Sets the driver passcode to <Passcode>.
Display MACAddress	S	This is required to turn the display on. All Settings > Network > Wired/Wifi Connection > MAC Address. Please provide in the format of AA:BB:CC:DD:EE:FF.
Set Display MACAddress	D	Sets the driver display MAC address to <Display_MACAddress>
Connect	D	Connects to the device.
Disconnect	D	Disconnects from the device.
Reconnect	D	If connected, this will disconnect and connect to the device. If not connected, this will connect to the device.
PowerOn	D	Powers the device on via WakeOnLAN using the MAC addresses provided by <Display MACAddress>.
PowerOff	D	Powers the display off. The display will disable its LAN port while in an off state. The connection will be dropped. The driver will reconnect on its own once the display is powered on.
Set_WarmupTime	A	Sets the warm up time (seconds) used by the driver for command processing when the

		device is powering on. It is not recommended to set this below 5 seconds.
Set_CooldownTime	A	Sets the cooldown time (seconds) used by the driver for command processing when the device is powering off. It is not recommended to set to below 15 seconds.
VolumeUp	D	Increases volume by one step. This will ramp volume at a rate of once every 250ms if held high.
VolumeDown	D	Decreases volume by one step. This will ramp volume at a rate of once every 250ms if held high.
SetVolume	A	Sets the volume to the given percent value. Valid range: 0-100
MuteOn	D	Mutes the device.
MuteOff	D	Unmutes the device.
MuteToggle	D	Toggles mute on the device.
UpArrow	D	Moves the cursor up one step. This will ramp at a rate of once every 250ms if held high.
DownArrow	D	Moves the cursor down one step. This will ramp at a rate of once every 250ms if held high.
LeftArrow	D	Moves the cursor left one step. This will ramp at a rate of once every 250ms if held high.
RightArrow	D	Moves the cursor right one step. This will ramp at a rate of once every 250ms if held high.
Select	D	Select button functionality.
Exit	D	Exit button functionality.
Home	D	Home button functionality.
Menu	D	Menu button functionality.
YouTube	D	YouTube button functionality.
Netflix	D	Netflix button functionality.
Hulu	D	Hulu button functionality.

AmazonVideo	D	AmazonVideo button functionality.
SlingTV	D	SlingTV button functionality.
PhotoAndVideo	D	Photo & Video button functionality.
Music	D	Music button functionality.
ForwardScan	D	ForwardScan button functionality.
ReverseScan	D	ReverseScan button functionality.
PlayPause	D	PlayPause button functionality.
Back	D	Back button functionality.
Return	D	Return button functionality.
Select HDMI1	D	Selects HDMI input 1.
Select HDMI2	D	Selects HDMI input 2.
Select HDMI3	D	Selects HDMI input 3.
Select HDMI4	D	Selects HDMI input 4.
Select Component	D	Selects the Component input.
Select Composite	D	Selects the Composite input.
EnableLogging	D	Enables logging on the device. 1 – Enabled 0 – Disabled
EnableTxDebug	D	Enables TX logging on the device. <EnableLogging> must be enabled. 1 – Enabled 0 – Disabled
EnableRxDebug	D	Enables RX logging on the device. <EnableLogging> must be enabled. 1 – Enabled 0 – Disabled

2 OUTPUTS

Name	Type	Description
Connection_F	D	1 = Device is connected 0 = Device is disconnected
Power_F	D	1 = Power is on 0 = Power is off
WarmingUp	D	1 = Warming up 0 = Not warming up
CoolingDown	D	1 = Cooling down 0 = Not cooling down
WarmupTime	A	The current warm up time value in seconds.
CooldownTime	A	The current cool down time value in seconds.
Volume_F	A	The volume of the device as a percent value.
Mute_F	D	1 = Mute is on 0 = Mute is off
HDMI1 Selected	D	1 = HDMI 1 is the current input selected on the device.
HDMI2 Selected	D	1 = HDMI 2 is the current input selected on the device.
HDMI3 Selected	D	1 = HDMI 3 is the current input selected on the device.
HDMI4 Selected	D	1 = HDMI 4 is the current input selected on the device.
Log	S	Log from the driver when logging is enabled. Used for debugging issues with the driver.