

Partner: Crestron
Model: Certified Driver

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Samsung IP Display v1.3
CATEGORY:	Crestron Certified Drivers
VERSION:	1.3
VERSION DATE:	1/19/2019
DESCRIPTION:	Used to control a Samsung IP Display via Ethernet using a Crestron Certified Driver library
GENERAL NOTES:	<p>This module was written to allow the user to connect and control the new Samsung IP displays. Minimum database required:</p> <p>Crestron Database: 68.06.001.00</p> <p>Device Database: 94.00.001.00</p> <p>The module references Crestron Certified Driver device types contained in the database and cannot work without them.</p> <p>The display also requires a minimum Software Version: T-KTM2AKUC-0920.90 , BT - S and Sub-micom Version: T-KTM2QINTV-0001_D in order to work correctly with a Crestron Control system</p> <p>To use, supply the module with the path to the library file.</p> <p>This module will handle the socket connection to the device internally.</p>
CRESTRON HARDWARE REQUIRED:	3 Series Processor
TRANSPORTS SUPPORTED:	IP

CONTROL:

LoadDriver	D	Pulse to load the driver specified in the DriverFile path
IP_Address	S	Signal used to set the IP Address of the device being controlled
Port	A	Analog value used to specify the IP port being used. If set to 0 then the port defined by the driver library will be used
PowerOn	D	Press to send the Power On command to the connected device
PowerOff	D	Press to send the Power Off command to the connected device
PowerToggle	D	Press to send the Power Toggle command to the connected device
SetWarmUpTime	A	Sets the Warm Up Time of the Display. If 0, the default value will be used
SetCoolDownTime	A	Sets the Cool Down Time of the Display. If 0, the default value will be used

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VolumeUp	D	Press and Hold to increment the Volume level commands sent to the device
VolumeDown	D	Press and Hold to decrement the Volume level commands sent to the device
SetVolume	A	Signal used to directly set the volume level of the connected device NOTE: On a system restart, the value on this input, will automatically be propagated to the output. So, this value on startup should reflect the desired default volume of the device.
MuteOn	D	Press to send the Mute On command to the connected device
MuteOff	D	Press to send the Mute Off command to the connected device
UpArrow	D	Press to send the Up Arrow command to the connected device
DownArrow	D	Press to send the Down Arrow command to the connected device
LeftArrow	D	Press to send the Left Arrow command to the connected device
RightArrow	D	Press to send the Right Arrow command to the connected device
Select	D	Press to send the Select command to the connected device
Clear	D	Press to send the Clear command to the connected device
Exit	D	Press to send the Exit command to the connected device
Home	D	Press to send the Home command to the connected device
Menu	D	Press to send the Menu command to the connected device
Search	D	Press to send the Search command to the connected device
YouTube	D	Press to send the YouTube command to the connected device
Netflix	D	Press to send the Netflix command to the connected device
Hulu	D	Press to send the Hulu command to the connected device
AmazonVideo	D	Press to send the AmazonVideo command to the connected device
ForwardScan	D	Press to send the Forward Scan command to the connected device
ReverseScan	D	Press to send the Reverse Scan command to the connected device
Play	D	Press to send the Play command to the connected device
Pause	D	Press to send the Pause command to the connected device

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Stop	D	Press to send the Stop command to the connected device
ReturnCommand	D	Press to send the Return command to the connected device
SetInput	A	Signal used to directly set the Input value of the connected device See Video Connections table at end of document
HDMI_1	D	Signal used to select the HDMI 1 Input
HDMI_2	D	Signal used to select the HDMI 2 Input
HDMI_3	D	Signal used to select the HDMI 3 Input
HDMI_4	D	Signal used to select the HDMI 4 Input
TV	D	Signal used to select the TV Input
ArtModeOn	D	Signal used to turn Art Mode on
ArtModeOff	D	Signal Used to turn Art Mode Off

FEEDBACK:

DriverLoaded	D	Signal used to indicate that the driver has been loaded
CurrentPort	A	Signal used to indicate the port number being used by the driver
Power_F	D	Signal used to indicate that the connected device is Powered On
WarmingUp	D	Signal used to indicate that the connected device is Warming Up
CoolingDown	D	Signal used to indicate that the connected device is Cooling Down
WarmUpTimeValue	A	Signal to display the Warm Up Time value
CoolDownTimeValue	A	Signal to display the Cool Down Time value
Volume_F	A	Signal used to indicate the current Volume level as percent 0 - 100
Mute_F	D	Signal used to indicate if the device audio is Muted
HDMI_1_Selected	D	Signal used to indicate that HDMI 1 is Selected
HDMI_2_Selected	D	Signal used to indicate that HDMI 2 is Selected
HDMI_3_Selected	D	Signal used to indicate that HDMI 3 is Selected

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HDMI_4_Selected	D	Signal used to indicate that HDMI 4 is Selected
TV_Selected	D	Signal used to indicate that TV is Selected
Log	S	Signal used to output the current driver Log when Logging is Enabled

PARAMETERS:

UniqueID	S	A unique name for this device module that will be used by the Crestron Certified Drivers System Module if it is in the program. Entries in the manifest file generated by the Crestron Certified Drivers System Module will use this parameter as the tag
MAC_Address	S	MAC Address of the display in AA:BB:CC:DD:EE:FF Format

TESTING:

OPS USED FOR TESTING:	RMC3_1.503.0026
SIMPL WINDOWS USED FOR TESTING:	4.09.04.01
DEVICE DB USED FOR TESTING:	94.00.001.00
CRES DB USED FOR TESTING:	68.06.001.00
SYMBOL LIBRARY USED FOR TESTING:	1060
SAMPLE PROGRAM:	Samsung IP Demo v1.3.smw
REVISION HISTORY:	v1.0 – Initial Release v1.1 – Obfuscated simpl# dll v1.2 – Utilized data Store to hold token from display - Added TV Input V1.3 = Added Art Mode On/Off Functionality