GENERAL INFORMATION

SIMPLWINDOWS NAME:	Planar Clarity Matrix G3 MX_LXxxU_X_M v1.0 IP
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module controls IP communication with the Planar Clarity Matrix G3 MX_LXxxU_X_M. Applicable models: MX_LX65U-4K, MX_LX55M, MX_LX55X, MX_LX55U, MX_LX46X, MX_LX46U
GENERAL NOTES:	
CRESTRON HARDWARE REQUIRED:	Crestron 2-Series* or 3-Series processor. *this module is set up to work with a 2-Series processor but has not been tested with one as of this writing.
SETUP OF CRESTRON HARDWARE:	TCP/IP: Port: 57
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	N/A

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PARAMETER:

Backlight_Step_Size	Setting to indicate the single step amount to increment/decrement the backlight.

CONTROL:

Reinitialize	D	Pulse to re-establish communication with the device.
Power_On	D	Pulse to turn on the device.
Power_Off	D	Pulse to turn off the device.
Power_Toggle	D	Pulse to toggle the power status of the device.
Backlight_Up	D	Pulse to raise the backlight of the device by the step size defined in the Backlight_Step_Size parameter. Hold to raise the backlight of the device in increments by the step size defined in the Backlight_Step_Size parameter until released.
Backlight _Down	D	Pulse to lower the backlight of the device by the step size defined in the Backlight_Step_Size parameter. Hold to lower the backlight of the device in increments by the step size defined in the Backlight_Step_Size parameter until released.
Backlight _Set	A	Set the backlight level of the device directly.
Big_Picture_VC_Up	D	Pulse to increment the value of the current Big Picture VC unit to control.
Big_Picture_VC_Up	D	Pulse to decrement the value of the current Big Picture VC unit to control.
Big_Picture_VC_Set	A	Set the value of the current Big Picture VC unit directly.
Big_Picture_Input_[1-4]	D	Pulse to set the corresponding input on the currently selected Big Picture VC unit.
Preset_Recall_[1-10]	D	Pulse to recall a specific preset. If the preset exists, it will be recalled.
Test_Pattern_[X]	D	Pulse to set the current test pattern.
Poll_Enable	D	Latch high to enable polling the device for the status of all relevant attributes. Unlatch to turn off polling.
{{TCP/IP_Client_>>_Connect-F}}	D	Digital signal to be routed from the TCP/IP client symbols Connect-F signal.
{{TCP/IP_Client_>>_status}}	A	Analog signal to be routed from the TCP/IP client symbols status signal.
{{TCP/IP_Client_>>_RX$}}	S	Serial signal to be routed from the TCP/IP client symbols RX$ signal.

FEEDBACK:

Is_Communicating	D	High to indicate that communication has been established with the device. Once communication has been established, the module will attempt to initialize automatically.
Is_Initialized	D	High to indicate that the module's internal state variables are now synced with the device's current state.
Power_Is_On	D	High to indicate the device is currently on.
Backlight_Level	A	Value indicating the current backlight level of the device.
Big_Picture_VC_Current	A	Value indicating the currently set Big Picture VC unit.
Preset_Name_[1-10]	S	Value indicating the name of the corresponding preset, if it exists.
Preset_Count	A	Value indicating the number of presets available on the device.
Test_Pattern_Is_[X]	D	Value indicating the currently active test pattern.
Alert_Count	A	Value indicating the number of alerts currently active on the device.
Polling_Is_Enabled	D	High to indicate the module is currently set to poll for device status.
Connect-F	D	High to indicate the TCP/IP client is connected. This signal is effectively a mirror of the Connect-F signal on the TCP/IP client. It is recommended that this signal be commented out in your program.
status	A	Value indicating the TCP/IP client connection status. This signal is effectively a mirror of the status signal on the TCP/IP client. It is recommended that this signal be commented out in your program.
{{Connect_>>_TCP/IP_Client}}	D	High to indicate the module is ready to connect to the device. This signal should be routed to the TCP/IP Client symbols Connect signal.
{{TX$_>>_TCP/IP_Client}}	S	Serial signal to be routed to the TCP/IP client symbols TX$ signal.

Partner: Planar
Model: Clarity Matrix G3 MX_LXxxU_X_M
Device Type: Display Controller

TESTING:	
OPS USED FOR TESTING:	RMC3: 1.011.0023
SIMPL WINDOWS USED FOR TESTING:	4.03.14.01
CRES DB USED FOR TESTING:	52.05.013.00
DEVICE DATABASE:	67.00.001.00
SYMBOL LIBRARY USED FOR TESTING:	956
SAMPLE PROGRAM:	Planar Clarity Matrix G3 MX_LXxxU_X_M Demo IP RMC3
REVISION HISTORY:	v1.0 – Initial Release