

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



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Planar Clarity Matrix G3 MX_LXxxU_X_M v1.0 RS232
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module controls RS232 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:	N/A
CRESTRON HARDWARE REQUIRED:	Crestron 2-Series* or 3-Series processor. <i>*this module is set up to work with a 2-Series processor but has not been tested with one as of this writing.</i>
SETUP OF CRESTRON HARDWARE:	RS232: Baud: 19200 Parity: None Data Bits: 8 Stop Bits: 1 Flow Control: None
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.
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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_Down	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.
From_Device	S	Serial signal to be routed from a 2-way COM port.

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**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.
To_Device	S	Serial signal to be routed to a 2-way COM port.

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**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 RS232 RMC3
REVISION HISTORY:	v1.0 – Initial Release