

**Partner: Matrox**  
**Model: Mura MPX Series**  
**Device Type: Video Processor**



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Matrox Mura MPX Series v1.0
<b>CATEGORY:</b>	Miscellaneous
<b>VERSION:</b>	v1.0
<b>SUMMARY:</b>	This module will control the Matrox Mura MPX Series video processor card via TCP/IP.
<b>GENERAL NOTES:</b>	<p>This module will provide the basic controls for the Matrox Mura MPX Series video processor: Display adapter info, display available sources, creating and editing layouts.</p> <p>This module was tested with a Matrox Mura™ MPX-4/4.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	2-Series Processor w/Ethernet port, 3-Series Processor w/Ethernet port
<b>SETUP OF CRESTRON HARDWARE:</b>	N/A
<b>VENDOR FIRMWARE:</b>	v1.0
<b>VENDOR SETUP:</b>	N/A
<b>CABLE DIAGRAM:</b>	N/A

## CONTROL:

<b>Start</b>	D	Pulse to start the running the unit API.
<b>Stop</b>	D	Pulse to stop the unit API from running.
<b>Reboot</b>	D	Press and hold for 10s to reboot the PC running the API.
<b>Shutdown</b>	D	Press and hold for 10s to shutdown the PC running the API.
<b>Select_Net_Info</b>	D	Pulse to call up the Matrox card information.
<b>Select_Sources</b>	D	Pulse to select sources page and update available source information.
<b>Select_Layouts</b>	D	Pulse to select layouts page and update available layout information.
<b>Access_Net_Info_&lt;Up/Down&gt;</b>	D	Pulse to scroll through card network information.
<b>Layout_List_Top</b>	D	Pulse to get to top of layout list.

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Layout_List_<Up/Down>	D	Pulse to scroll through layout list pages.
Layout_List_Select_<1-10>	D	Pulse to select layout in the layout list field.
Apply_Layout	D	Pulse to apply layout selected in layout list.
Create_Layout	D	Press and hold for 1s to create new layout.
Rename_Layout	D	Press and hold for 1s to rename selected in layout list.
Copy_Layout	D	Press and hold for 1s to copy layout selected in layout list to a new layout.
Delete_Layout	D	Press and hold for 1s to delete layout selected in layout list.
Edit_Layout	D	Pulse to edit layout selected in layout list.
Source_List_Top	D	Pulse to get to top of source list.
Source_List_<Up/Down>	D	Pulse to scroll through source list pages.
Source_List_Select_<1-10>	D	Pulse to select source in the source list field.
Rename_Source	D	Press and hold for 1s to rename source.
Window_List_Top	D	Pulse to get to top of window list.
Window_List_<Up/Down>	D	Pulse to scroll through window list pages.
Window_List_Select_<1-10>	D	Pulse to select window in the window list field.
Delete_Window	D	Pulse to delete window selected in window list.
New_Window	D	Pulse to add new window to selected layout and display new window subpage.
New_Window_Clear	D	Pulse to clear new window subpage.
Edit_Window	D	Pulse to edit selected window in window list and to display edit window subpage.
Edit_Window_Clear	D	Pulse to clear new window subpage.
Add_Window	D	Pulse to add new window to selected layout. Must have location, size and inputs selected first.
Width_Select	D	Pulse to select width property to apply to new window.
Height_Select	D	Pulse to select height property to apply to new window.

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<b>Position_X_Select</b>	D	Pulse to select X-axis location property to apply to new window.
<b>Position_Y_Select</b>	D	Pulse to select Y-axis location property to apply to new window.
<b>Select_Window_&lt;0-9&gt;</b>	D	Pulse to set properties of new window.
<b>Select_Window_Clear</b>	D	Pulse to clear selected property of new window.
<b>Window_Height_&lt;Up/Down&gt;</b>	D	Press to adjust height of existing selected window.
<b>Window_Width_&lt;Up/Down&gt;</b>	D	Press to adjust width of existing selected window.
<b>Window_Position_Y_&lt;Up/Down&gt;</b>	D	Press to adjust position of existing selected window.
<b>Window_Position_X_&lt;Up/Down&gt;</b>	D	Press to adjust position of existing selected window.
<b>Keyboard_*</b>	D	Pulse to edit text in keyboard field.
<b>Keyboard_Send</b>	D	Pulse to send new text to field/parameter being edited.

## FEEDBACK:

<b>Is_Running</b>	D	Indicates that the card is currently running.
<b>Is_Not_Running</b>	D	Indicates that the card is currently not running.
<b>Current_Status_Text</b>	S	Displays the card's current running status.
<b>Reboot_Status</b>	D	Will indicate that the reboot is triggered after "Reboot" signal is held for 10s.
<b>Shutdown_Status</b>	D	Will indicate that the shutdown is triggered after "Shutdown" signal is held for 10s.
<b>Display_Sources_Page</b>	D	Pulse to display the sources page.
<b>Display_Layouts_Page</b>	D	Pulse to display the layouts page.
<b>Net_Auto_IP_Text</b>	S	Displays the current card's auto IP status.
<b>Net_Auto_DNS_Text</b>	S	Displays the current card's auto DNS status.
<b>Net_DNS_Address_Text</b>	S	Displays the current card's DNS Address.
<b>Net_Info_Text</b>	S	Displays the current card's net info status.
<b>Net_IP_Address0_Text</b>	S	Displays the current card's IP address0.

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Net_Subnet_Mask0_Text	S	Displays the current card's subnet mask0.
Net_IP_Address1_Text	S	Displays the current card's IP address1.
Net_Subnet_Mask1_Text	S	Displays the current card's subnet mask1.
Net_Default_Gateway_Text	S	Displays the current card's default gateway.
Net_Host_Name_Text	S	Displays the current card's hostname.
Layout_List_<1/10>_Is_Selected	D	Indicates that a layout list item is selected.
Layout_List_<1/10>_Text	S	Indicates the current noise reduction setting.
Layout_Selected_To_Edit_Text	S	Displays name of layout currently selected.
Applied_Layout_Text	S	Indicates the currently applied layout being displayed on the output.
Display_Edit_Layout_Page	D	Calls up the display edit layout page that shows a list of windows for the corresponding layout.
Source_List_<1/10>_Is_Selected	D	Indicates that a source list item is selected.
Source_List_<1/10>_Text	S	Indicates names of sources in the source list fields.
Source_Edge_Type_Text	S	Displays the edge type of the selected source.
Source_Width_Text	S	Displays the width of the selected source.
Source_Height_Text	S	Displays the height of the selected source.
Source_Refresh_Text	S	Displays the refresh rate of the selected source.
Source_Overlay_Image_Text	S	Displays the overlay image of the selected source.
Window_List_<1/10>_Is_Selected	D	Indicates that a window list item is selected.
Window_List_<1/10>_Text	S	Indicates names of windows in the window list field.
Display_New_Window_Subpage	D	Use to display new window subpage.
Display_Edit_Window_Subpage	D	Use to display edit window subpage.
Select_Window_Position_Text	S	Displays the set window position for new/existing window.
Select_Window_Source_Text	S	Displays the set window source for new/existing window.

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Select_Window_Size_Text	S	Displays the set window size for new/existing window.
Window_Position_Text	S	Displays the window list selected position.
Window_Source_Text	S	Displays the window list selected source.
Window_Size_Text	S	Displays the window list selected size.
Window_Overlay_Text	S	Displays the window list selected overlay.
Width_Is_Selected	D	Indicates that the width is selected for adjusting for new window.
Height_Is_Selected	D	Indicates that the height is selected for adjusting for new window.
Position_X_Is_Selected	D	Indicates that the position X is selected for adjusting for new window.
Position_Y_Is_Selected	D	Indicates that the position Y is selected for adjusting for new window.
Display_Keyboard_Page	D	Use to trigger page flip to keyboard page.
Keyboard_Text	S	Displays the current keyboard text.
Keyboard_*	D	Indicates some the keyboard functions being active.

### PARAMETERS:

IP_Address	S	IP address of the Matrox card being controlled.
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### TESTING:

OPS USED FOR TESTING:	2-Series: v4.003.0015 3-Series: v1.000.0000
SIMPL WINDOWS USED FOR TESTING:	v3.11.15
DEVICE DB USED FOR TESTING:	v43.05.006.00
CRES DB USED FOR TESTING:	v32.00.001.00
SYMBOL LIBRARY USED FOR TESTING:	v814
SAMPLE PROGRAM:	2-Series: Matrox Mura MPX Series v1.0 Demo PRO2.smw 3-Series: Matrox Mura MPX Series v1.0 Demo MC3.smw
REVISION HISTORY:	v1.0 – Original release.

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