

MX-65xx series ASCII protocol

User guide V2.0

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Introduction

You can use these commands with RS-232 and Telnet.
Inputs connect to sources. Outputs connect to displays.

RS232 protocol

- Baud Rate 9600 bps
- Data bit: 8 bits
- Parity: None
- Stop Bit: 1 bit

Telnet login

- User name: admin
- Password: 123

About ASCII commands (terminal commands)

All commands must include Carrier Return/<CR> (0x0d)

Commands

Query firmware version - %VR

Description	Query the current version of the firmware.
Command	%VR
Arguments	None
Example	Command: %VR Response: 8x8H_FW_01_02 This response means the device's current firmware is for an 8x8 matrix version 1.02

Route a single output - %PI

Description	This command is for routing to a single output.						
Command	%P <i>oxlix</i>						
Arguments	<table><tr><td>Where</td><td>Is</td></tr><tr><td>ox</td><td>The output port number. Must be two digits, 01, 02...</td></tr><tr><td>ix</td><td>The input port number. Must be two digits, 01, 02...</td></tr></table>	Where	Is	ox	The output port number. Must be two digits, 01, 02...	ix	The input port number. Must be two digits, 01, 02...
Where	Is						
ox	The output port number. Must be two digits, 01, 02...						
ix	The input port number. Must be two digits, 01, 02...						
Example	To connect output 1 with input 3: Command: %P01I03<CR> Response: p01i03 To disconnect output 1 from all outputs (use a 0 for the input value Command: %P01I00<CR> Response: p01i00						

Increase the source number of a single output - %P+

Description	This command is for changing a single output to the next input; similar to a channel up command.
Command	%Pox+
Arguments	Where Is ox The output port number. Must be two digits, 01, 02...
Example	To increase the source number for output 1, where the current source is input 2 Command: %P01+<CR> Response: p01i03

Decrease the source number of a single output - %P-

Description	This command is for changing a single output to the previous input; similar to a channel down command.
Command	%Pox-
Arguments	Where Is ox The output port number. Must be two digits, 01, 02...
Example	To decrease the source number for output 1, where the current source is input 3 Command: %P01-<CR> Response: p01i02

Map outputs - %MAP

Description	This command shows output mapping, also known as a routing table.
Command	%MAP
Arguments	none
Response	p01i03 p02i01 p03i02 p04i04

Read the EDID from an output - %EDRP

Description	This command reads the EDID from an HDMI output .
Command	%EDRPox
Arguments	Where Is ox The output port number. Must be two digits, 01, 02...
Example	To read the EDID from output 1 Command: %EDRP01<CR> Response: 00 FF FF FF FF FF FF 00 35 34 11 20 00 00 00 1B

Read the EDID from a source - %EDRI

Description	This command reads the EDID from an HDMI input .
Command	%EDRI <i>ix</i>
Arguments	<p>Where Is</p> <p><i>ix</i> The input port number. Must be two digits, 01, 02...</p>
Example	<p>To read the EDID from input 1</p> <p>Command: %EDRI01<CR></p> <p>Response:</p> <pre>00 FF FF FF FF FF FF 00 35 34 11 20 00 00 00 1B</pre>

Copy the EDID of a display to a source - %EDLP

Description	This command copies the EDID from an output to an input.
Command	%EDLP <i>oxix</i>
Arguments	<p>Where Is</p> <p><i>ox</i> The output port number. Must be two digits, 01, 02...</p> <p><i>ix</i> The input port number. Must be two digits, 01, 02...</p>
Example	<p>To copy the EDID from output 1 to input 2</p> <p>Command: %EDLP0102<CR></p> <p>Response: OK</p>

Copy an EDID from the default table to a source - %EDLD

Description	This command copies an EDID from the default EDID table to an input.
Command	%EDLD <i>dxix</i>
Arguments	<p>Where Is</p> <p><i>dx</i> The default EDID number. Must be two digits, 01, 02...</p> <p><i>ix</i> The input port number. Must be two digits, 01, 02...</p>
Example	<p>To copy the EDID from default 3 to input 2</p> <p>Command: EDLD0302<CR></p> <p>Response: OK</p>

Factory reset - %FSET

Description	This command resets your device to factory settings.
Command	%FSET
Arguments	none
Response	none

Power on - %PON

Description	This command starts your device.
Command	%PON
Arguments	none
Response	none

Power off - %POFF

Description	This command shuts down your device.
Command	%POFF
Arguments	none
Response	none

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