

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>o</i> <i>x</i> <i>i</i> <i>x</i> |
| Arguments | Where Is <i>o</i> <i>x</i> The output port number. Must be two digits, 01, 02... <i>i</i> <i>x</i> 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 | <table border="0"> <tr> <td style="padding-right: 20px;">Where</td> <td>Is</td> </tr> <tr> <td><i>ix</i></td> <td>The input port number. Must be two digits, 01, 02...</td> </tr> </table> | Where | Is | <i>ix</i> | The input port number. Must be two digits, 01, 02... |
| Where | Is | | | | |
| <i>ix</i> | The input port number. Must be two digits, 01, 02... | | | | |
| 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 | <table border="0"> <tr> <td style="padding-right: 20px;">Where</td> <td>Is</td> </tr> <tr> <td><i>ox</i></td> <td>The output port number. Must be two digits, 01, 02...</td> </tr> <tr> <td><i>ix</i></td> <td>The input port number. Must be two digits, 01, 02...</td> </tr> </table> | Where | Is | <i>ox</i> | The output port number. Must be two digits, 01, 02... | <i>ix</i> | The input port number. Must be two digits, 01, 02... |
| Where | Is | | | | | | |
| <i>ox</i> | The output port number. Must be two digits, 01, 02... | | | | | | |
| <i>ix</i> | The input port number. Must be two digits, 01, 02... | | | | | | |
| 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 | <table border="0"> <tr> <td style="padding-right: 20px;">Where</td> <td>Is</td> </tr> <tr> <td><i>dx</i></td> <td>The default EDID number. Must be two digits, 01, 02...</td> </tr> <tr> <td><i>ix</i></td> <td>The input port number. Must be two digits, 01, 02...</td> </tr> </table> | Where | Is | <i>dx</i> | The default EDID number. Must be two digits, 01, 02... | <i>ix</i> | The input port number. Must be two digits, 01, 02... |
| Where | Is | | | | | | |
| <i>dx</i> | The default EDID number. Must be two digits, 01, 02... | | | | | | |
| <i>ix</i> | The input port number. Must be two digits, 01, 02... | | | | | | |
| 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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