



MX88-4KUHDE

8x8 HDMI 2.0 matrix with de-embedded audio

Version: V1.0.0



Important Safety Instructions



1. Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



6. Clean this apparatus only with dry cloth.



2. Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure the unit is well ventilated.



7. Unplug this apparatus during lightning storms or when unused for long periods of time.



3. To prevent risk of electric shock or fire hazard due to overheating, do not obstruct the unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.



8. Protect the power cord from being walked on or pinched particularly at plugs.



4. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



9. Only use attachments / accessories specified by the manufacturer.



5. Do not place sources of naked flames, such as lighted candles, on the unit.



10. Refer all servicing to qualified service personnel.

Table of Contents

| | |
|------------------------------------|----|
| Introduction | 3 |
| Overview | 3 |
| Features | 4 |
| Package Contents..... | 4 |
| Specifications | 4 |
| Panel Description | 6 |
| Connections and Installation | 8 |
| Front Panel Control..... | 11 |
| Remote Control | 11 |
| System Code Switch..... | 12 |
| Web Interface | 13 |
| Access the Web Interface | 14 |
| Web Interface Introduction | 15 |
| Matrix Control | 15 |
| Admin Setting | 17 |
| EDID Management..... | 31 |
| Copying the output port EDID | 31 |

Introduction

Overview

MX88-4KUHDE is an 8x8 HDMI Matrix with HDMI 2.0 and HDCP 2.2 compatibility and allows eight sources to be shown or switched to any of the eight displays simultaneously. MX88-4KUHDE also provides analog and digital audio de-embedding for every HDMI output.

It can be controlled by front panel buttons, IR, RS232 and LAN control with Telnet API and Web UI. Independent DIP switch is also provided for advanced EDID management.

As a compact 1U stand-alone 8x8 HDMI matrix, it offers the convenience of future-ready Ultra HD A/V switching and distribution solution, and the reliability of cutting-edge HDMI 2.0 and HDCP 2.2 compatibility.

Features

- Support video source up to 4K@60Hz 4:4:4 8bit
- Fully compliant with HDMI 2.0
- HDCP 2.2 compliant
- Supports 4K HDR
- Supports analog and digital audio de-embedding for each HDMI outputs
- Supports front panel buttons, IR, RS232 and LAN (Telnet API & Web UI) control options
- Independent DIP switch for advanced EDID management.

Package Contents

- 1 x MX88-4KUHDE
- 1 x IR Remote Handset
- 1 x AC Power Cord
- 1 x IR Receiver Cable (38KHz)
- 1 x USB to UART Cable
- 8 x Phoenix Male Connector (3.5 mm, 3 pins)
- 2 x Mounting Brackets

Specifications

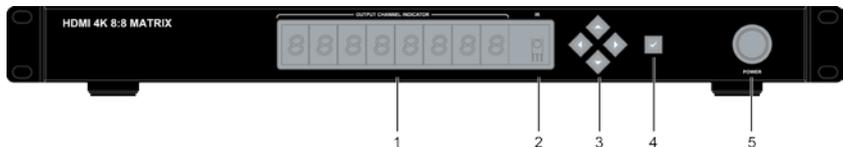
Technical

| | |
|--------------------------|---|
| Input/Output Connections | 8 x HDMI IN 8 x HDMI OUT 8 x AUDIO OUT (S/PDIF digital audio out and L/R analog audio out) 1 x IR EXT. 1 x LAN 1 x RS232 1 x EDID DIP Switch 1 x AC IN |
| Input/Output Video Type | HDMI 2.0 HDCP 2.2 |
| Input/Output Resolution | 800x600 ⁸ , 1024x768 ⁸ , 1280x720 ^{6,8} , 1280x768 ⁸ , 1280x800 ⁸ , 1280x960 ⁸ , 1280x1024 ⁸ , 1360x768 ⁸ , 1366x768 ⁸ , 1440x900 ⁸ , 1600x900 ⁸ , 1600x1200 ⁸ , 1680x1050 ⁸ , 1920x1080 ^{6,8} , 1920x1200 ⁸ 3840x2160P _{2,3,5,6,8} , 4096x2160 _{2,3,5,6,8} 1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz |
| Audio Format | HDMI: Support all known HDMI audio formats including PCM, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X; |
| | L/R OUT: Only support PCM 2.0; S/PDIF OUT: Support PCM, Dolby and DTS up to 5.1 Channel. |

| Control | |
|--------------------------|--|
| Control Method | IR control, Front panel buttons RS232, LAN (Telnet API & Web UI) |
| General | |
| Operating Temperature/RH | 32°F ~ 113°F (0°C ~ 45°C) 10% ~ 90%, non-condensing |
| Storage Temperature/RH | -4°F ~ 140°F (-20°C ~ 70°C) 10% ~ 90%, non-condensing |
| ESD Protection | Human-body model: ±8kV (air-gap discharge)/ ±4kV (contact discharge) |
| Power Supply | AC 100~240V 50/60Hz |
| Power Consumption | 1018p: 40W, 4K: 60W |
| Dimensions (W x H x D) | 482.6mm x 323.5mm x 43.5mm(With mounting brackets)/ 440mm x 323.5mm x 43.5mm(Without mounting brackets) |
| Weight | 3.66kg |
| Rack Space Required | 1U |
| Certification | CE FCC |

Panel Description

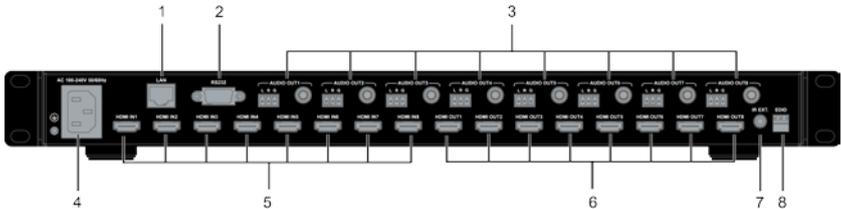
Front Panel



| D | Name | Description |
|---|------|-------------|
|---|------|-------------|

| | | |
|---|--------------------------------|--|
| 1 | Output Channel Indicator | Indicates input for output port 1~8 |
| 2 | IR | IR receive window |
| 3 | Select buttons with LED(White) | Selects the input and output channels. Left/Right buttons are used to select outputs, UP/Down buttons are used to select inputs. |
| 4 | Enter button with LED(White) | Press this button to take implement changes after selected the inputs and outputs |
| 5 | Power switch | Turns on/off the matrix |

Back Panel



| ID | Name | Description |
|----|--------------|---|
| 1 | LAN | RJ45 port, connects to control system, Used for Web UI and Telnet controlling |
| 2 | RS232 | DB9 port. Connects to a control system for RS232 pass through |
| 3 | AUDIO OUT1~8 | Audio de-embedded outputs. <ul style="list-style-type: none"> 3 Pins Phoenix female port: L/R analog audio output Coaxial port: S/PDIF digital audio output |
| 4 | Power | AC 100~240V 50/60Hz power supply input |
| 5 | HDMI IN1~8 | Connects to HDMI sources |
| 6 | HDMI OUT1~8 | Connects to HDMI displays |
| 7 | IR EXT. | IR extension port: for IR Receiver Cable |

| | | |
|---|------|---------------------------------|
| 8 | EDID | DIP Switch: for EDID management |
|---|------|---------------------------------|

Connections and Installation

1. Using good quality HDMI cables, firmly connect 4K or HD source devices (such as: Blu-Ray, computer, games console, satellite/cable, music streaming device, CCTV etc.) to the HDMI input ports 1-8 of the matrix.

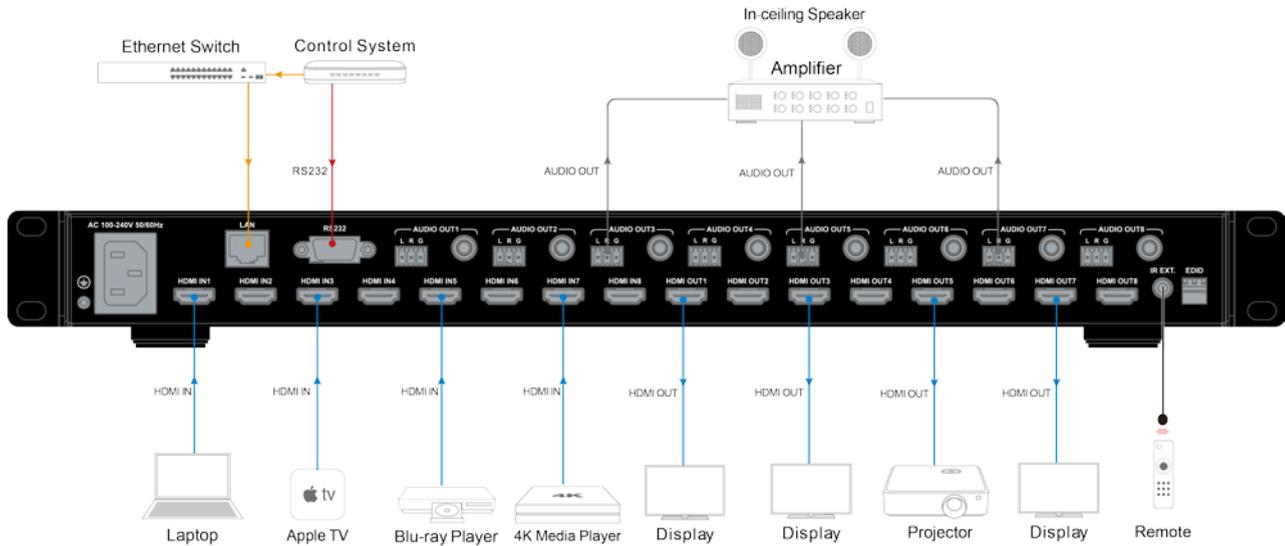
Suggestion: Please insert and extract cables carefully with the power SWITCHED OFF.

Power is passed along transmissions so connecting and disconnecting cables while powered may cause damage to circuitry or possible injury.

2. Firmly connect HDMI OUT 1-8 of the matrix to HDMI IN of 4K or HD display devices, make sure all sources and display devices are compatible and correctly configured.
3. Firmly connect AUDIO OUT 1-8 of the matrix to audio devices such as amplifier.
4. Insert the matrix AC power cord and power on matrix by pressing power button on the front panel. Front panel LEDs will show the input channel numbers for every output to indicate that the matrix is ready for operation.

Note: Remember, always power off the matrix before unplugging any HDMI cables – follow last on, first off protocol.

5. Switch between sources and displays using the matrix front panel buttons, via IR remote control, through serial RS232 or LAN.
6. If IR extension is required, connect the IR Receiver Cable to the matrix IR EXT port, make sure the IR receiver eye is placed in clear view of the handset used for control.

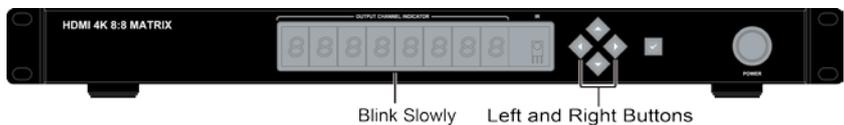


Front Panel Control

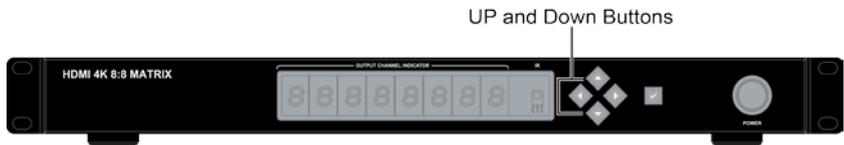
This HDMI matrix is designed with ease of connection and control in mind. Basic switching of input sources to output displays can be achieved by pressing front panel buttons and the front LEDs indicate the current input and output status of the matrix.

After power up, the front panel LEDs will show the input channel numbers for every output, and then the matrix is ready for operation.

Step 1. Press the **Left** or **Right** button to select output channel, after the selection is complete, the corresponding LED of the output channel will blink slowly.



Step 2. Press **up** or **down** button to select the desired input channel. When a output is closed, LED will display "--".



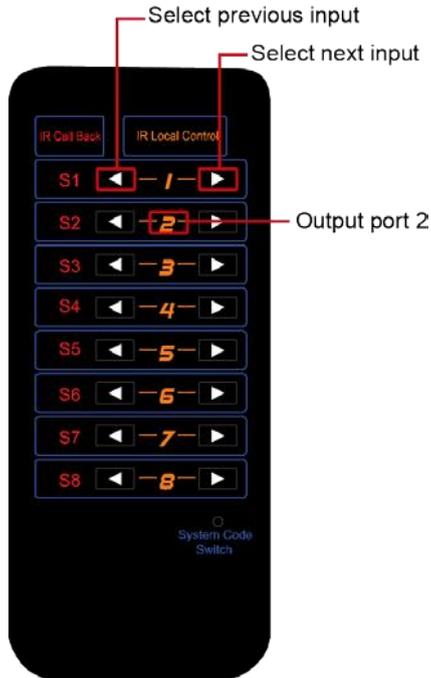
Step 3. Press the ✓ button to confirm the selection, after the selection takes effect, the LED stops blinking.

Note: Long press the ✓ button, LED will display the LED module version.



Remote Control

The HDMI matrix can be controlled by a remote as well.



Previous and next buttons (◀ ▶):

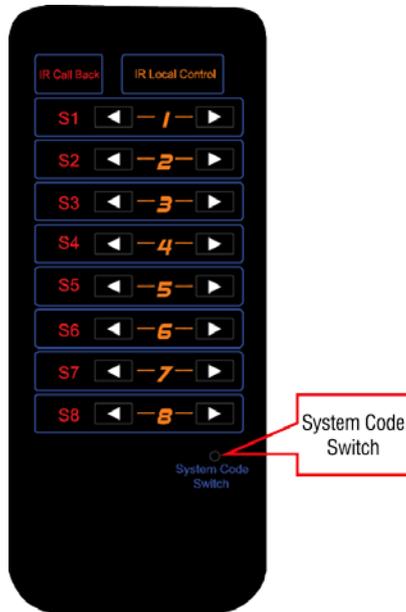
Scrolls between the input sources.

The previous button means the previous input; while the next button means the next input. When using the matrix remote, point it directly at the matrix or IR receiver, ◀ ▶ are used to scroll between the input sources for each individual output display. For example, to select output display 1 to be set to input source 2, find row 1 on the matrix control and scroll ◀ ▶ to input source 2.

System Code Switch

In the event that the matrix remote's IR signals interfere with or are interfered with by other IR devices, such as TV, DVD or the other matrix, the matrix is

capable of switching between two distinct IR system codes to allow for control of the matrix.



Basically, if the system codes of the matrix and remote are different, the remote cannot control the matrix.

You can press the **System Code Switch** button once rapidly to change the system code of the remote. This will change the remote from the default system code 00 to the alternate system code 4E.

Web Interface

MX88-4KUHDE offers users a web interface for changing settings and controlling the matrix.

Access the Web Interface

Step 1. To use the Web interface, the Matrix MX88-4KUHDE must be connected to an Ethernet network. To do this, locate the LAN port, then connect it to an Ethernet network using a straight UTP cable.

Step 2. Type the IP address into a web browser 192.168.10.254.

Note: Chrome, Safari, Firefox, Opera and IE10+ are supported. Make sure the web browser is the latest version.

A login screen will appear and chose the **English**:



MX0808-1018-000

English 中文

Password:

Login

Remember Password

The default IP address is 192.168.10.254, Subnet mask is 255.255.0.0, default password is **admin**.

After logging in, the main screen appears. It contains two submenus:

- Matrix Control
- Admin Setting

English 中文
Matrix Control
Admin Setting

Switch

| Inputs/Outputs | Output 1 | Output 2 | Output 3 | Output 4 | Output 5 | Output 6 | Output 7 | Output 8 | All |
|----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Input 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Input 2 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Input 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Input 4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Input 5 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Input 6 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Input 7 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Input 8 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| None | <input type="checkbox"/> | <input type="checkbox"/> |

Presets

Mode 1

Save Load

Mode 2

Save Load

Mode 3

Save Load

Mode 4

Save Load

Mode 5

Save Load

Mode 6

Save Load

Mode 7

Save Load

Mode 8

Save Load

Log

14:32:05 Send C1/C1/1

14:32:04 LAN to Serial is disabled

14:32:04 Send C1806T

14:32:04 LAN to Serial is disabled

14:32:04 Send C1805T

14:32:03 LAN to Serial is disabled

14:32:03 Send C1404T

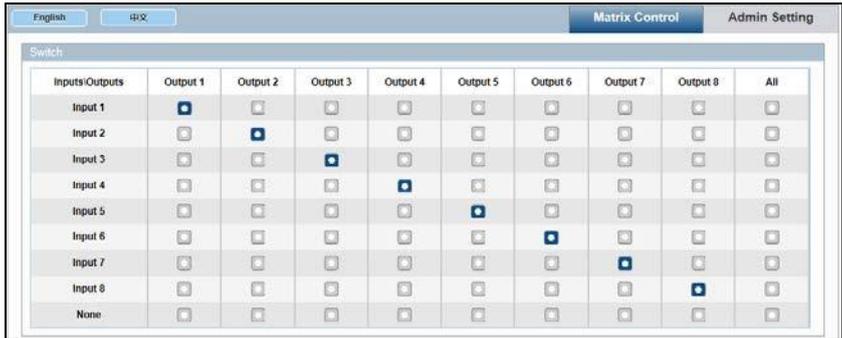
Web Interface Introduction

Matrix Control

The Matrix Control submenu is used to perform the following tasks:

- Switch
- Preset **Switch**

The Switch manages the connection configurations of displays and sources.

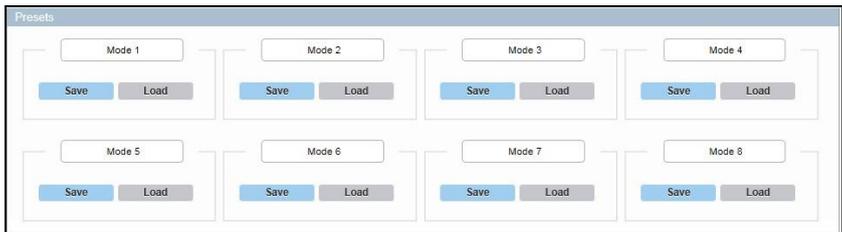


The input/output switch allows selection of output port (display) and input port (source) for specific combinations of displays and sources within the matrix. Click the white button, it will become blue, which represents that input and output are routed.

All: Route all outputs to one input.

None: Route output to none (turn off output)

Preset



Only matrix inputs/outputs selection states can be saved as presets and can be loaded to matrix later.

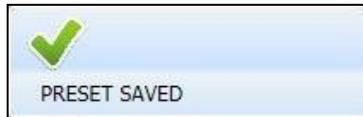
Save: Save the selection states in Switch submenu.

Load: Load the preset which already saved.

For example, save the following selection state as preset 1.

| Inputs/Outputs | Output 1 | Output 2 | Output 3 | Output 4 | Output 5 | Output 6 | Output 7 | Output 8 | All |
|----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| Input 1 | <input type="checkbox"/> | <input type="checkbox"/> |
| Input 2 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Input 3 | <input type="checkbox"/> | <input type="checkbox"/> |
| Input 4 | <input type="checkbox"/> | <input type="checkbox"/> |
| Input 5 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Input 6 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Input 7 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Input 8 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| None | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Click **Save**, a window pop-up in the upper right corner, one preset is saved.



Admin Setting



Default password is **123456**.

The Admin Setting submenu is used to perform the following tasks:

- CEC Setting
- EDID Setting
- HDCP Support
- Port Naming
- Preset Name
- Network
- Change Password
- Update Web UI

- LOG
- Custom Web UI LOGO
- Reset All Setting to Default
- Firmware

English
IPQ
Matrix Control
Admin Setting

CEC Setting

Output: HDMI 1

CEC Control:

Auto Control (Minus): ON

EDID Setting

HDCP Support

| | | | |
|--|--|--|--|
| Input 1: <input checked="" type="checkbox"/> ON <input type="checkbox"/> OFF | Input 2: <input checked="" type="checkbox"/> ON <input type="checkbox"/> OFF | Input 3: <input checked="" type="checkbox"/> ON <input type="checkbox"/> OFF | Input 4: <input checked="" type="checkbox"/> ON <input type="checkbox"/> OFF |
| Input 5: <input checked="" type="checkbox"/> ON <input type="checkbox"/> OFF | Input 6: <input checked="" type="checkbox"/> ON <input type="checkbox"/> OFF | Input 7: <input checked="" type="checkbox"/> ON <input type="checkbox"/> OFF | Input 8: <input checked="" type="checkbox"/> ON <input type="checkbox"/> OFF |

Port Naming

| | |
|---|---|
| Input 1: <input type="text" value="Input 1"/> | Output 1: <input type="text" value="Output 1"/> |
| Input 2: <input type="text" value="Input 2"/> | Output 2: <input type="text" value="Output 2"/> |
| Input 3: <input type="text" value="Input 3"/> | Output 3: <input type="text" value="Output 3"/> |
| Input 4: <input type="text" value="Input 4"/> | Output 4: <input type="text" value="Output 4"/> |
| Input 5: <input type="text" value="Input 5"/> | Output 5: <input type="text" value="Output 5"/> |
| Input 6: <input type="text" value="Input 6"/> | Output 6: <input type="text" value="Output 6"/> |
| Input 7: <input type="text" value="Input 7"/> | Output 7: <input type="text" value="Output 7"/> |
| Input 8: <input type="text" value="Input 8"/> | Output 8: <input type="text" value="Output 8"/> |

Note: The length of name is limited to 15 characters (letters, numbers or space) each.

Preset Name

| | | | |
|---|---|---|---|
| Mode 1: <input type="text" value="Mode 1"/> <input type="button" value="Save"/> <input type="button" value="Reset"/> | Mode 2: <input type="text" value="Mode 2"/> <input type="button" value="Save"/> <input type="button" value="Reset"/> | Mode 3: <input type="text" value="Mode 3"/> <input type="button" value="Save"/> <input type="button" value="Reset"/> | Mode 4: <input type="text" value="Mode 4"/> <input type="button" value="Save"/> <input type="button" value="Reset"/> |
| Mode 5: <input type="text" value="Mode 5"/> <input type="button" value="Save"/> <input type="button" value="Reset"/> | Mode 6: <input type="text" value="Mode 6"/> <input type="button" value="Save"/> <input type="button" value="Reset"/> | Mode 7: <input type="text" value="Mode 7"/> <input type="button" value="Save"/> <input type="button" value="Reset"/> | Mode 8: <input type="text" value="Mode 8"/> <input type="button" value="Save"/> <input type="button" value="Reset"/> |

Note: The length of name is limited to 15 characters (letters, numbers or space) each.

Network

DHCP

Static

Static IP

IP Address:

Subnet Mask:

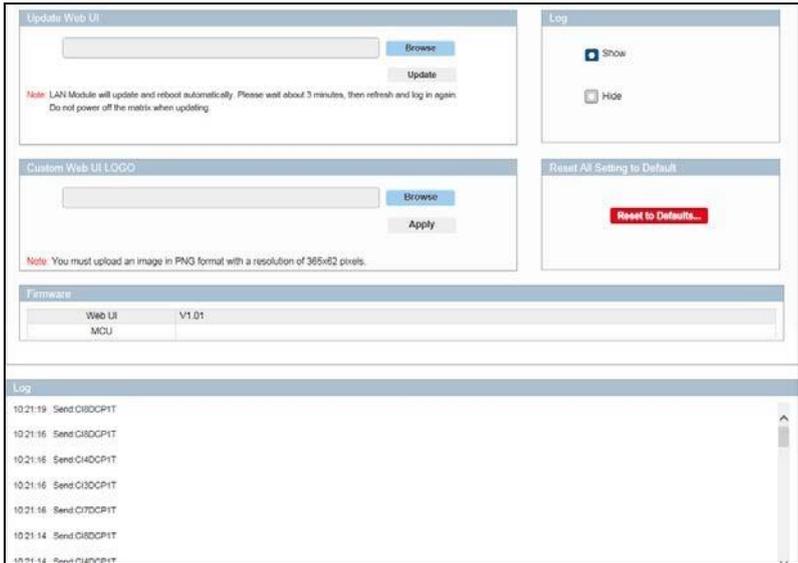
Default Gateway:

Note: Matrix LAN Module will automatically reboot after changing Network setting.

Change Password

| | |
|---|---|
| <h5>Login Password</h5> <p>Old Password: <input type="text"/></p> <p>New Password: <input type="text"/></p> <p>Confirm New Password: <input type="text"/></p> <p style="text-align: right;"><input type="button" value="Save"/></p> | <h5>Admin Setting Password</h5> <p>Old Password: <input type="text"/></p> <p>New Password: <input type="text"/></p> <p>Confirm New Password: <input type="text"/></p> <p style="text-align: right;"><input type="button" value="Save"/></p> |
|---|---|

Note: Password must be 4 to 16 characters in length (alphanumeric only).



CEC Setting

Click on the Output drop-down menu to select the output which you want to set.

Click **Display On** to send CEC command to power on the display connected to the output.

Click **Display Off** to send CEC command to power off the display connected to the output.

Choose Auto Control time to set display auto power off time. For example, if the time is set to 2 minutes, when the output has no signal for more than 2 minutes, the display will power off automatically.

If you click the button OFF, this function is free.



Note: This function is valid only if the display supports CEC control and the time range for Auto Control is 0-30 minutes.

EDID Setting

The EDID Setting allows users to access and configure EDID of every input port.

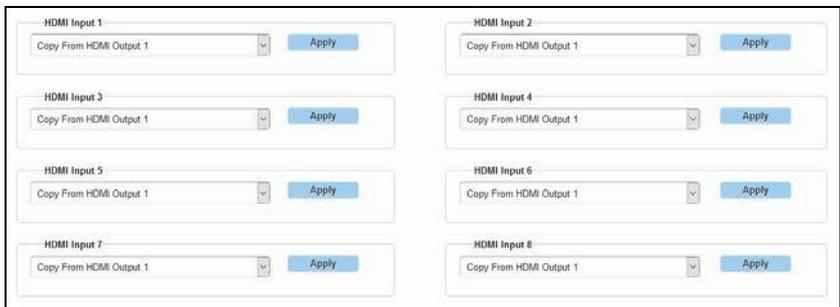


Click **Read** to read EDID.





Change EDID settings through the input drop-down menu, click **Apply** to make the change effective.



HDCP Support

In this column, HDCP support ability of HDMI Input 1-8 ports can be enabled/disabled.

ON: Input port support HDCP.

OFF: Input port do not support HDCP.

The screenshot shows a configuration page titled "HDCP Support". It contains eight input port settings arranged in two rows of four. Each port is labeled "Input 1" through "Input 8". Below each label are two radio buttons: "ON" (which is selected with a blue dot) and "OFF".

Port Naming

Give the ports different names which will be easier for users to remember, user can modify port names in this column.

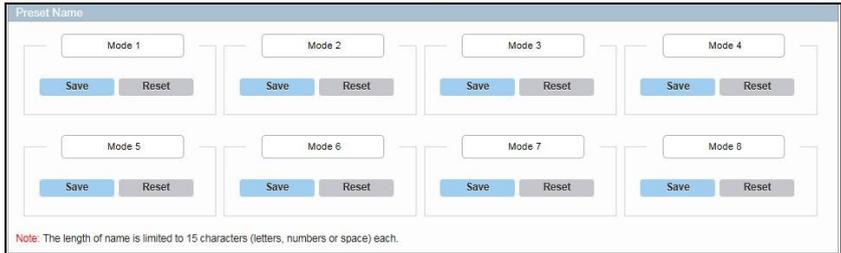
The screenshot shows a configuration page titled "Port Naming". It has two columns of port naming fields. The left column is labeled "Input 1" through "Input 8" and the right column is labeled "Output 1" through "Output 8". Each label is followed by a text input field. At the bottom left, there is a red note: "Note: The length of name is limited to 15 characters (letters, numbers or space) each." At the bottom right, there are two buttons: "Save" (blue) and "Reset" (grey).

Click **Save** to save the changes, click **Reset**, all the port name should be modified.

Note: The length of all name is limited to 15 characters (letters, numbers or space) each.

Preset Name

Give the presets different names which will be easier to remember, presets names can be modified in this column.



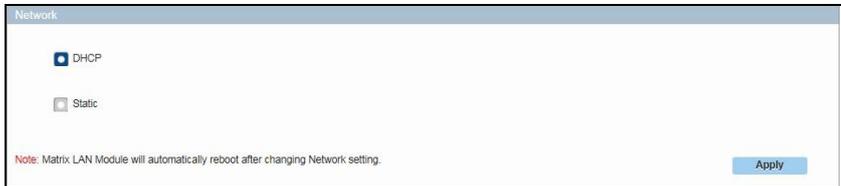
Click **Save** to save the changes, click **Reset**, all the port name should be modified.

Note: The length of all name is limited to 15 characters (letters, numbers or space) each.

Network

The matrix can be controlled over LAN, through which it may be accessed through Telnet after obtaining the matrix IP address. By default, the IP address to access the matrix is 192.168.10.254.

Select **DHCP** to enable the IP address to be detected automatically by the system.



Click **Apply** to save the changes.

Note: Matrix LAN Module will automatically reboot after changing Network setting.

Set Static IP:

Note: IP address and gateway should be set up in the same network segment.

Select **Static** to manually input the IP functions if no address appears or if the system is unable to detect an **IP address**. Enter an IP address and ensure the IP addresses of the matrix and your computer are in the same subnet segment.

The screenshot shows a network configuration window titled "Network". On the left, there are two radio buttons: "DHCP" (unselected) and "Static" (selected). To the right, under the heading "Static IP", there are three rows of input fields: "IP Address" with values 192, 168, 10, and 254; "Subnet Mask" with values 255, 255, 0, and 0; and "Default Gateway" with values 192, 168, 10, and 1. Below the fields, a red note states: "Note: Matrix LAN Module will automatically reboot after changing Network setting." In the bottom right corner, there is a blue "Apply" button.

Click **Apply** to save the changes.

Note: Matrix LAN Module will automatically reboot after changing Network setting.

Change Password

In Change Password column, the user can modify the Login Password and Admin Setting Password.

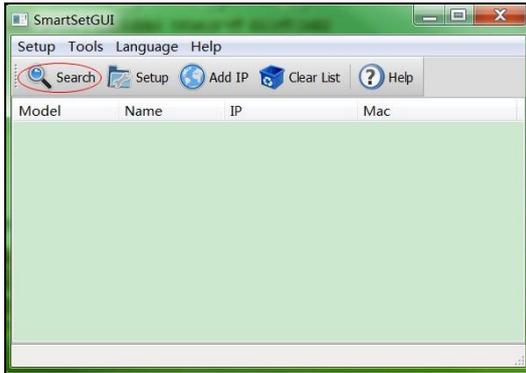
The screenshot shows a "Change Password" window. It is divided into two main sections: "Login Password" on the left and "Admin Setting Password" on the right. Each section contains three input fields: "Old Password", "New Password", and "Confirm New Password". Below the fields in each section is a "Save" button. At the bottom of the window, a red note reads: "Note: Password must be 4 to 16 characters in length (alphanumeric only)."

Click **Save** button to save the changes.

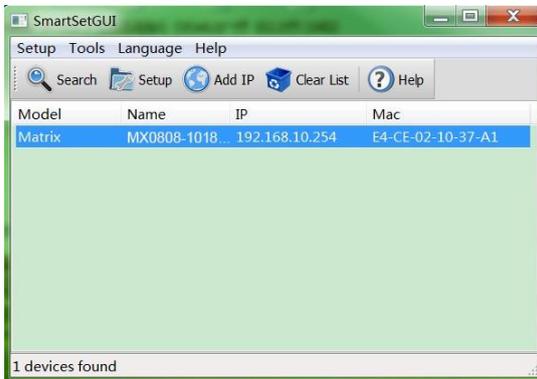
Note: Password must be 4 to 16 characters in length (alphanumeric only). **Tip:**

If you cannot remember the password, use SmartSetGUI or API command to reset the Matrix to factory defaults.

Step1. Run SmartSetGUI tool to obtain the IP address. Click Search button.



Step2. Highlight the Matrix, and then click in.





Step3. Go to **Device**, and then click on **Factory Default**.

Step4. A window pops up, click on **Yes**, then Matrix is restored to factory default settings.

Update Web UI

In this column, users can update Web UI.



Step 1. Browse for the bin file.

Step 2. Click on **Update** button.



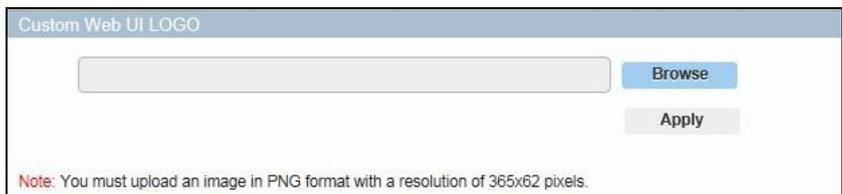
Note: Module will update and reboot automatically. Please wait about 3 minutes, then refresh and log in again. Do not power off the matrix when updating.

LOG

In this column, users can hide or show the log in the bottom of the page.

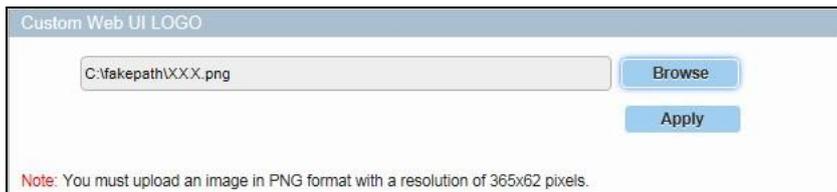


Custom Web UI Logo

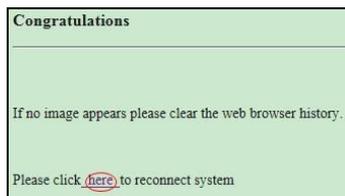


Click **Browse** button to browse the LOGO file.

Note: You must upload an image in PNG format with a resolution of 365x62 pixels.



Click **Apply**, web redirection as below:



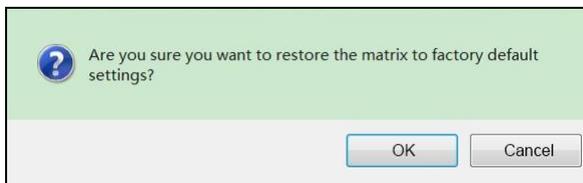
Please click **here** and then the LOGO will be set to the web page upper left corner.

Reset All Settings to Default



Click the **Reset to Defaults**, a window pops up, click on **OK**, then Matrix is restored to factory default settings.

Note: the matrix will reboot automatically and all the settings will be back to default.



Firmware

In this column, users can check the firmware version.

| Firmware | |
|----------|-------|
| Web UI | V1.04 |
| MCU | V1.1 |

EDID Management

EDID (Extended Display Identification Data) is a data structure provided by a digital display to describe its capabilities to a video source. The matrix features an EDID management that can be used when the EDID's do not meet the installation requirements.

Note: DIP position is default by 1 1 1, means down, as pictured:



Please refer to the following schematics to set EDID:



| DIP | | | Function |
|-----|---|---|--|
| 0 | 0 | 0 | EDID controlled by Front Panel, Web UI and API |
| 0 | 0 | 1 | 4K@60Hz 2.0ch audio With HDR (Smart EDID OFF) |
| 0 | 1 | 0 | 4K@30Hz 7.1ch audio With HDR (Smart EDID OFF) |
| 0 | 1 | 1 | 4K@30Hz 5.1ch audio With HDR (Smart EDID OFF) |
| 1 | 0 | 0 | 4K@30Hz 2.0ch audio With HDR (Smart EDID OFF) |
| 1 | 0 | 1 | 4K@30Hz/8bit only 2.0ch audio Without HDR (Smart EDID OFF) |
| 1 | 1 | 0 | 1080P@60Hz 2.0ch audio (Smart EDID OFF) |
| 1 | 1 | 1 | Smart EDID ON (Default) |

Copying the output port EDID

To copy the EDID of an HDMI connected to the matrix's output port 1 to the input port 2, do as follows:

1. Toggle the EDID DIP switch to 000.

2. On the front panel, press the selection buttons to select the input port 2 for output port 1, then the indicator blinks.
3. Press and hold the ✓ button for about five seconds. When the message **CPY OK** is displayed in the LED display, it means the EDID copying is successful, otherwise, it will display **CPY FAIL**.

Note: When using web UI or front panel button to copy EDID, if copy failed, the Inputs' EDID will be replaced by [4k@30Hz/8bit only without 4:2:0 2.0ch audio without HDR] EDID.

LINK

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