HDTVMT8080HA2 User Manual



Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

SURGE PROTECTION DEVICE RECOMMENDED

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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Introduction:

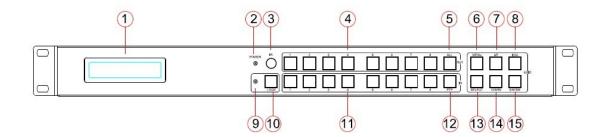
The HDTVMT8080HA2 8×8 Matrix with audio extractors for HDMI routes eight Hi-Def sources to any eight HDTV displays, supporting 1080p Full HD up to 4K plus all 3D formats, along with multichannel digital audio formats such as Dolby® True HD and DTS-HD® Master Audio[™]. The 8 coaxial audio loop-outs are designed for zone amplifiers or AVRs for best audio experience. Each source can be routed to any display using the front-panel push buttons, IR remote control, RS-232 interface, or via TCP/IP.

Features:

- Supports resolutions up to 1080p@60HZ,48-bit deep color, 4k@30HZ
- Allows any source to be displayed on multiple displays at the same time
- Allows any HDMI display to view any HDMI source at any time
- Dolby TrueHD and DTS-HD master audio pass through HDMI output
- 8x Extra loop-out de-embedded S/PDIF audio for zone amplifier or AVR.
- Advanced EDID management for rapid integration of sources and displays
- Front-panel LCD display for status feedback
- Multiple switching mode, push-in button, IR remote control, RS-232 control, and TCP/IP control
- Easy installation with rack-mounting ears
- Full 3D pass through.
- HDCP compliant

Panel Descriptions

Front Panel



- 1. LCD display---Show the status of input-output selection, EDID info and so on.
- 2. Power LED indicator---Indicate the status of the power for the matrix.

3. IR receiver window----Receive the IR from the remote control of HDTVMT8080HA2.

4. HDMI output selection button 1 to 8---Press to select the output from 1 to 8.

5. All button for HDMI outputs---Press to select all of the outputs from 1 to 8.

6. Menu button---Press to enter EDID set mode. Three EDID segments will display on the LCD panel formatted as: INPUT VIDEO AUDIO, for example: IN1 1080P 2.0CH, means to set 1080P 2.0CH EDID to INPUT1. The blinking segment is the one can be changed currently. Segment content items as below:

| INPUT | VIDEO | AUDIO | Note |
|-------|-------|--------|----------------------------------|
| IN1 | 10801 | 2.0CH. | |
| IN2 | 1080P | 5.1CH | |
| IN3 | 3D | 7.1CH | |
| IN4 | 4K2K | NONE | |
| IN5 | D1024 | | D1024=DVI 1024 x 768 |
| IN6 | D1080 | | D1080=DVI 1920 x 1080 |
| IN7 | D1200 | | D1200=DVI 1920 x 1200 |
| IN8 | OUT1 | | OUT1=Copy OUTPUT1 EDID to INPUTx |
| ALL | OUT2 | | ALL=Set EDID to ALL INPUTs |
| | | | OUT2=Copy OUTPUT2 EDID to INPUTx |
| | OUT3 | | OUT3=Copy OUTPUT3 EDID to INPUTx |
| | OUT4 | | OUT4=Copy OUTPUT4 EDID to INPUTx |
| | OUT5 | | OUT5=Copy OUTPUT5 EDID to INPUTx |
| | OUT6 | | OUT6=Copy OUTPUT6 EDID to INPUTx |
| | OUT7 | | OUT7=Copy OUTPUT7 EDID to INPUTx |
| | OUT8 | | OUT8=Copy OUTPUT8 EDID to INPUTx |

7. Up selection button--- Press to change segment's value.

8. ESC---Press to quit EDID set mode.

9. Lock LED indicator---Indicate the status of Lock.

10. Lock button---Press to lock the buttons of the front panel.

11. HDMI input selection button 1 to 8---Press to select the input from 1 to 8.

12. PTP button---Press to mirror all inputs and outputs (e.g. output 1 to input1, output 2 to

input2 and so on).

13. Selection button---Press to select segment to change setting. Selected segment will be

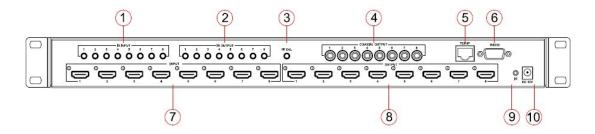
blinking.

14. Down selection button---Press to change segment's value.

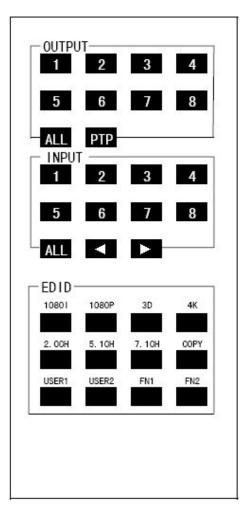
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15. Enter button--- Press to set EDID to specified INPUT or copy EDID from specified OUTPUT to specified INPUT.

Back Panel



- 1. IR inputs 1 to 8 ---- 3.5mm stereo phone-jack
- 2. IR outputs 1 to 8 ---- 3.5mm stereo phone-jack
- 3. IR extension receiver input ---- 3.5mm stereo phone-jack
- 4. Coaxial audio outputs 1 to 8---- RCA connectors
- 5. RJ45 ---- TCP/IP control
- 6. RS232 port----Connect to this port for control from a computer
- 7. HDMI inputs 1 to 8----Connect HDMI sources
- 8. HDMI outputs 1 to 8----Output for displays, AVR etc.
- 9. IR receiver window----Receive the IR from the remote control of HDTVMT8080HA2
- 10. Power port---Use included DC adaptor to power the matrix switcher.



Remote control descriptions

Output and Input select

- A. OUTPUT-X select INPUT-Y:
 - 1. Press OUTPUT-X (X means 1 to 8 of outputs)→Press INPUT-Y (Y means 1 to 8 of inputs)
 - 2. Press OUTPUT-X (X means 1 to 8 of outputs)→ press the left and right arrow buttons to select the input.

B. All outputs select INPUT-Y: Press ALL button in zone OUTPUT→Press INPUT-Y button (Y means 1 to 8 of inputs), then INPUT-Y switched to ALL OUTPUTS

C. Mirror all inputs and outputs (Ex. Input 1 to output 1, input 2 to output 2, etc): Press PTP button in Zone OUTPUT

EDID Set Up

A. Fixed EDID to INPUT-Y/ALL

Press 1080I/1080P/3D/4K→Press 2.0CH/5.1CH/7.1CH→INPUT-Y/ALL button in Zone

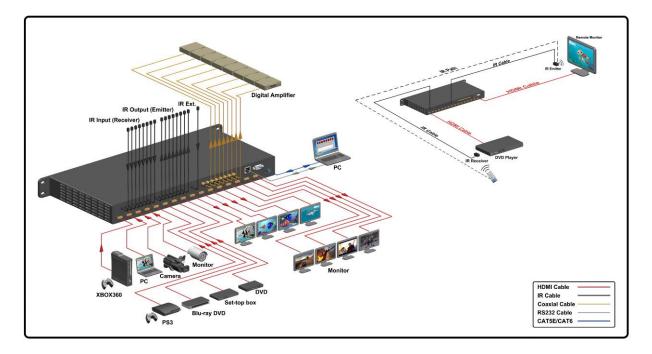
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INPUT

- B. Copy EDID of OUTPUT-X to INPUT-Y/ALL Press COPY button→Press OUTPUT-X button→Press INPUT-Y/ALL button
- C. User defined EDID to INPUT-Y/ALL Press USER1/USER2 button→Press INPUT-Y/ALL

NOTE: Pressing button sequence should be finished in 5 seconds, otherwise, operation discarded.

Application Diagram



Specifications:

| Bandwidth: | 2.97Gbps per color |
|--------------------------|---------------------------------------|
| Video Input Connectors: | 8x HDMI Type A, 19-pin, female |
| Video Output Connectors: | 8x HDMI Type A, 19-pin, female |
| Audio Output Connectors: | 8x RCA ,female |
| RS-232 serial port: | DB-9, female |
| TCP/IP Control: | RJ-45, female |
| IR Input ports: | 8x 3.5mm stereo jack, 1x IR Extension |
| IR Output ports: | 8x 3.5mm stereo jack |
| Rack-Mountable: | 1 U rack height, rack ears included |
| Dimensions (W x H x D): | 428mm x 182mm x 43mm, without feet |
| Shipping Weight: | 2.7kg |
| Operating Temperature: | 32°F to 104°F (0°C to 40°C) |
| Storage Temperature : | -4°F to 140°F (-20°C to 60°C) |
| Power Supply: | 12V/5A DC |

Package Contents:

- 1. 1x HDTVMT8080HA2
- 2. 1x 12V DC power supply
- 3. 1x Remote control
- 4. 8x IR Transmitter,
- 5. 9x IR Receiver.
- 6. 1x mounting kit.
- 7. 1x CD for control software.

| MT8 | 3080-HA2 | Remot | e Control Console |
|-----|------------|-------|-------------------|
| PIN | Assignment | PIN | Assignment |
| 1 | NC | 1 | NC |
| 2 | Тх | 2 | Rx |
| 3 | Rx | 3 | Тх |
| 4 | NC | 4 | NC |
| 5 | GND | 5 | GND |
| 6 | NC | 6 | NC |
| 7 | NC | 7 | NC |
| 8 | NC | 8 | NC |
| 9 | NC | 9 | NC |

RS-232 Pin Assignment

GUI Control

PC System: Microsoft Windows Operation System

Installation

8x8 HDMI Matrix controller is a green software. You just need to copy "8x8 HDMI Matrix Controller vx.x.exe" to the PC which is used to control the Matrix by RS232 COM or TCP to complete installation.

Preparation

- 1. Connect PC and Matrix by RS232 cable or UTP cable
- 2. Power up Matrix (It will take about 5 seconds to be ready with "Di" beep sound)
- 3. Double click "8x8 HDMI Matrix Controller vx.x.exe" icon to run it

How to control Matrix

Common information

| | General | Port Tag | Setting | EDID control | IR Configuration | FW upgrade | ſ |
|--|---------|----------|---------|--------------|------------------|------------|---|
|--|---------|----------|---------|--------------|------------------|------------|---|

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Click to select tab page

| Conne | 1 Done 2 | 3 | 2013-05-03 10:17 |
|-------|--------------------------------|---|------------------|
| 1 0 | COM port or TCP connect status | | |
| 2 0 | Control command process status | | |

- ③ Prompt message display area
- ④ Date and Time display

"General" page

| Control mode select COM control mode TCP control mode COM control mode COM 2 | Device information Device: HDMI Matrix, 8x8 2 Ver 9 3.22 |
|--|---|
| TCP control mode [#1] - [Auto IP] - [192.168.1.121] - [18-98-66-85-2A-98 4earch Config | Input1: Not connected Output1: Not connected 3 Input0 Vot connected Output2: Not connected 5 Input4: Not connected Output4: Not connected Input5: Not connected Output5: Not connected |
| Connection <u>C</u> onnect | Input6: Not connected Output6: Not connected Input7: Not connected Output7: Not connected Input8: Connected Output8: Connected |
| Refresh device status | 7 |
| Display tags setting Display Input, Output tags when focus setting buttons | 8 |

- ① Select control mode: RS232 COM mode (Auto COM ports detected) or TCP mode
- 2 List detected COM ports
- ③ List all Matrix devices after search operation
- ④ Click to search all Matrix devices that connected in same subnet
- 5 Click to configuration the selected Matrix's TCP control configurations
- ⑥ Click to connect or disconnect PC and Matrix (Connection will be established automatically before control commands sending)
- ⑦ Click to refresh device status: include device information displayed in ⑨ area and Input/output port connection status in ⑩ area.

NOTE: Tab pages cannot be changed during control command is processing.

- ⑧ To enable or disable Input/output tags displaying when setting buttons on "Setting" page focused
- 9 Device information display area

10 Input/output port connection status

Set TCP control configuration

Click Config button to show TCP configuration window.

| 🐼 TCP configuration | х |
|-----------------------------------|---|
| Device information | |
| Device Tag | |
| 1) | |
| 2).uto IP O Static IP | |
| 3 . 168 . 1 . 121 | |
| MAC 4 - 98 - 66 - 85 - 2A - 98 | |
| 5 OK 6 se | |

- 1 Set tag to identify Matrix device
- ② Set IP mode: Subnet should support DHCP protocol when set Auto IP mode, then Matrix device will obtain IP automatically. Otherwise, set Static IP mode and designate a useable IP for Matrix device
- ③ Set IP address, not editable when Auto IP mode selected. **Note**: The last IP BYTE's range is 2-252.
- ④ Matrix device MAC address
- 6 Click OK to set configuration. If configuration is set OK, Matrix devices will be searched out again
- 6 Click to Close the window and configuration cancelled

"Port Tag" page

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| Input port tags | | Output port tags | |
|-----------------|---------------|--------------------|----------------|
| Tag of Input1 | Tag of Input5 | Tag of Output1 | Tag of Output5 |
| Blue-ray DVD | Device5 | 1 Meeting room | Display5 |
| Tag of Input2 | Tag of Input6 | Tag of Output2 | Tag of Output6 |
| Game player | Device6 | Entertainment room | Display6 |
| Tag of Input3 | Tag of Input7 | Tag of Output3 | Tag of Output7 |
| Set-top Box | Device7 | VIP | Display7 |
| Tag of Input4 | Tag of Input8 | Tag of Output4 | Tag of Output8 |
| PC | Device8 | Office | Display8 |
| | <u>Edit</u> 2 | | Edit 4 |

- ① Input port tags
- ② Click to edit Input port tags
- ③ Output port tags
- ④ Click to edit Output port tags

NOTE: Edit boxes are read only, click "Edit" button to pop up window to edit the tags.

One set of Input/output port tags can be set for Matrix device when COM control mode selected.

Input/output port tags can be set for respective Matrix device according to device's MAC address.

Edit Input port tags

After action of 2, edit form will pop-up as below:

| Device name connect Input1 | | Device name connect Input5 |
|----------------------------|-----|----------------------------|
| Blue-ray DVD | • × | Device5 × |
| Device name connect Input2 | | Device name connect Input6 |
| Game player | • × | Device6 |
| Device name connect Input3 | | Device name connect Input7 |
| Set-top Box | • × | Device7 🔹 🗙 |
| Device name connect Input4 | | Device name connect Input8 |
| PC | • × | Device8 🔹 × |
| , | | · |

Define tags for respective Input port, then devices connect the Input ports can be easily remembered.

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Click buttons with "x" caption to delete tag which is no use any more, if tag is still used by any other Input port, delete action will be discarded.

Edit Output port tags

After action of ④, edit form will pop-up as below:

| Cutput port tags | | × |
|------------------------------|-----|------------------------------|
| Display name connect Output1 | | Display name connect Output5 |
| Meeting room | • × | Display5 |
| Display name connect Output2 | | Display name connect Output6 |
| Entertainment room | • × | Display6 💌 🗙 |
| Display name connect Output3 | | Display name connect Output7 |
| VIP | • × | Display7 |
| Display name connect Output4 | | Display name connect Output8 |
| Office | • × | Display8 💌 🗙 |
| | | |
| | | OK Cancel |

Define tags for respective Output port, then displays connect the Output ports can be easily remembered.

Click buttons with "x" caption to delete tag which is no use any more, if tag is still used by any other Output port, delete action will be discarded.

"Setting" page

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| Output 1 2 1 2 3 4 2 5 6 7 8 3 \checkmark | Output2 1 2 3 4 5 6 7 8 • | | 785 | 2 3 4 6 7 8 4 | Output5 | | 7 8 5 | 2 3 4 6 7 8 < | Output8 |
|--|------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------|----------------------------|----------------------------|---------------|
| Output from In Pre-Settings | put (4) | | | | | | | | |
| Output from In | put 4 | Output2 | Output3 | Output4 | Output5 | Output6 | Output7 | Output8 | |
| Output from In Pre-Settings Name | | Output2 2 | Output3 3 | Output4 | Output5 | Output6 6 | Output7 7 | Output8 8 | |
| Output from In Pre-Settings Name Setting1 | | - | - | - | - | | - | - | T. |
| Output from In Pre-Settings Name Setting1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| Output from In Pre-Settings Name Setting1 5.tting2 | | 2 2 | 3 3 | 4 4 | 5 5 | 6 6 | 7 7 | 8 8 | • |
| Output from In Pre-Settings Name Setting1 Setting2 Setting3 | | 2 2 2 | 3 3 3 | 4 4 4 | 5 5 5 | 6 6 6 | 7 7 7 | 8 8 8 | • |
| Output from In Pre-Settings Name Setting1 5 tting2 Setting3 Setting4 | | 2 2 2 2 2 | 3 3 3 3 | 4 4 4 4 | 5 5 5 5 | 6 6 6 6 | 7 7 7 7 7 | 8 8 8 8 | Edit |
| Output from In Pre-Settings Name Setting1 Setting2 Setting3 Setting4 Setting5 | | 2 2 2 2 2 2 | 3 3 3 3 3 3 | 4 4 4 4 4 4 | 5 5 5 5 5 5 | 6 6 6 6 6 | 7 7 7 7 7 7 | 8 8 8 8 8 8 | 6 Edit Set |

- $(1) \ \ \mbox{LED}$ which displays Input number for respective Output port
- ② Click to select Input port for respective Output port
- ③ Click to select previous or next Input port for respective Output port
- ④ Display Output from Input with tag information when mouse moves over ② buttons
- ⑤ Pre-Setting items: Default is Port to Port
- 6 Click to edit selected pre-setting item
- ⑦ Set selected pre-setting item to Matrix

NOTE: When Change to this "Setting" page, software will try to refresh source selection status of Output port.

Pop-up tag messages

When "Display Input, Output tags when focus setting buttons" checkbox on "General" page is checked and Input/output port tag has been defined, tag messages will pop up like as:

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| Output1 1 2 3 4 5 6 7 8 Output4 - [Offi re-Settings | Output2 1 2 3 4 5 6 7 8 (ce] from Inp | 5 6 ⁻ | | Output5 Output5 Output5 Output6 Output5 Output6 Output5 Output6 Output5 Output5 Output6 Output5 Output5 Output6 Output5 Output6 Output5 Output6 Output6 Output5 Output6 Output5 Output6 Output6 Output6 Output6 Output5 Output6 Output5 Output6 Output6 Output6 Output6 Output6 Output7 Out | 341 | Output8 2 3 4 6 7 8 6 7 8 6 7 8 0 utput8 1 2 3 4 5 6 7 8 • • |
|--|---|--------------------------------------|--------------------------------------|--|--------------------------------------|--|
| Name | Output1 | Output2 | Output3 | Output7 - [Display7] | Output7 | Output8 |
| | | _ | _ | Output8 - [Display8] | | |
| Setting1 | 1 | 2 | 3 | Outputo - [Displayo] | 7 | 8 |
| Setting2 | 1 | 2 | 3 | Input1 - [Blue-ray DVD] | 7 | 8 |
| Setting2 Setting3 | 1 1 1 | 2 2 | 3 3 | | 7 7 | 8 8 |
| Setting2 Setting3 Setting4 | 1 1 1 1 1 | 2 2 2 | 3 3 3 | Input1 - [Blue-ray DVD] | 7 7 7 7 | 8 8 8 |
| Setting2 Setting3 Setting4 Setting5 | 1 1 1 1 1 1 | 2 2 2 2 | 3 3 3 3 | Input1 - [Blue-ray DVD] Input2 - [Game player] Input3 - [Set-top Box] | 7 7 7 7 7 | 8 8 8 8 |
| Setting2 Setting3 Setting4 Setting5 Setting6 | 1 1 1 1 1 1 1 1 | 2 2 2 2 2 2 | 3 3 3 3 3 3 | Input1 - [Blue-ray DVD] Input2 - [Game player] Input3 - [Set-top Box] Input4 - [PC] | 7 7 7 7 7 7 | 8 8 8 8 8 <u>E</u> dit |
| Setting2 Setting3 Setting4 Setting5 Setting6 Setting7 | 1 1 1 1 1 1 1 1 1 1 | 2 2 2 2 2 2 2 2 | 3 3 3 3 3 3 3 3 | Input1 - [Blue-ray DVD] Input2 - [Game player] Input3 - [Set-top Box] Input4 - [PC] Input5 - [Device5] | 7 7 7 7 7 7 7 7 | 8 8 8 8 8 <u>E</u> dit |
| Setting2 Setting3 Setting4 Setting5 Setting6 | 1 1 1 1 1 1 1 1 1 1 1 1 1 | 2 2 2 2 2 2 | 3 3 3 3 3 3 | Input1 - [Blue-ray DVD] Input2 - [Game player] Input3 - [Set-top Box] Input4 - [PC] | 7 7 7 7 7 7 | 8 8 8 8 8 <u>E</u> dit |

Pop-up Menu

When mouse moves over 2 setting buttons, and click mouse right button, menu will pop up like as:

| Output1 1 2 3 4 5 6 7 8 ◀ ► Output4 - [Offi | Output2 1 2 3 4 5 6 7 8 Ce] from Inp | 56 | 7 8 5 | | Output5 | | 785 | | Output8 |
|--|---|----------------------------|----------------------------|--|----------------------------|-----------------------|----------------------------|-----------------------|-------------|
| re-Settings | | | | <u>6</u> Outputs 7 Outputs | | | | | |
| re-Settings Name | Output 1 | Output2 | Output3 | <u>6</u> Outputs <u>7</u> Outputs <u>P</u> ort to Por | rt utput5 | Output6 | Output7 | Output8 | |
| _ | Output 1 | Output2 2 | Output3 3 | 7 Outputs | rt utput5 | Output6 6 | Output7 | Output8 | Ţ |
| Name | Output1 | - | - | <u>7</u> Outputs <u>P</u> ort to Por | | | | | T |
| Name Setting1 | Output1 1 1 1 | 2 | 3 | <u>7</u> Outputs <u>P</u> ort to Por 4 | 5 | 6 | 7 | 8 | |
| Name Setting1 Setting2 | Output1 1 1 1 1 | 2 2 | 3 3 | <u>7</u> Outputs <u>P</u> ort to Por <u>4</u> 4 | 5 5 | 6 6 | 7 7 | 8 | |
| Name Setting1 Setting2 Setting3 | Output1 1 1 1 1 1 1 | 2 2 2 | 3 3 3 3 3 3 | <u>7</u> Outputs <u>P</u> ort to Por <u>4</u> 4 4 | 5 5 5 | 6 6 6 | 7 7 7 | 8 8 8 | |
| Name Setting1 Setting2 Setting3 Setting4 | Output1 1 1 1 1 1 1 1 | 2 2 2 2 | 3 3 3 3 | 7 Outputs Port to Por 4 4 4 4 4 4 | 5 5 5 5 | 6 6 6 6 | 7 7 7 7 7 | 8 8 8 8 | Edit |
| Name Setting1 Setting2 Setting3 Setting4 Setting5 | Output1 | 2 2 2 2 2 2 | 3 3 3 3 3 3 | 7 Outputs Port to Por 4 4 4 4 4 4 4 4 | 5 5 5 5 5 5 | 6 6 6 6 6 | 7 7 7 7 7 7 | 8 8 8 8 8 | Edit Set |

All Outputs: All Outputs from same Input

"1 Output" to "7 Outputs": Set current Output (where mouse right clicked) and the next x-1 (x range is from 1 to 7, set total x Outputs at the same time) Output(s) from same Input

Port to Port: Output1 from Input1, Output2 from Input2, Output3 from Input3, etc.

Edit selected pre-setting item

After action of (6), edit form will pop-up as below:

| 2 |
|---|
| |
| • |
| |
| • |
| |
| • |
| |
| |
| |

- ① Pre-Setting name
- ③ Select Input for respective Output

"EDID control" page

| EDID mode control | | EDID content |
|------------------------------------|---------------|--|
| Set EDID mode Select EDID | 1 <u>S</u> et | 0 1 2 3 4 5 6 7 8 9 A B C D E F 00 10 7 |
| Copy EDID from Select Output | 2 <u>Copy</u> | 20 30 40 50 |
| EDID data control | | 50 60 70 70 |
| Read EDID data from Select Output | 3 Read | 80 90 |
| Save to EDID file | 4 | 90 A0 B0 C0 |
| Open EDID file | 5 🗳 | D0 E0 F0 |
| Download EDID data to Select Input | 6 Download | Clear 8 |

① Set EDID mode for selected Input port or All Input ports, click "Set" button to complete action.

NOTE: When set User1/User2 EDID mode, should Download EDID content to User1 Memory/User2 Memory first. User1/User2 default EDID content is 1080p, Stereo Audio 2.0.

- ② Copy EDID from Output port to selected Input port or All Input ports, click "Copy" button to complete action.
- ③ Read EDID content from Output port and display in grid, click "Read" button to complete action.
- ④ Save EDID content which displayed in grid to binary file (file extension is ".bin")
- ⑤ Open EDID binary file and display in grid
- (6) Download EDID content which displayed in grid to selected Input port or All Input ports, click "Download" button to complete action. When User1 Memory/User2 Memory selected, download EDID content to respective memory then User1/User2 EDID mode can be set.
- ⑦ EDID content displaying grid

NOTE: EDID content displayed in grid is read only.

8 Click to clear EDID content displayed in grid

"IR Configuration" page

IR control enable/disable setting

🗹 Enable IR control

To enable or disable IR control function. When box checked, IR control function enabled, otherwise, IR control function disabled. This setting is not memorized. IR control function is always enabled after power up.

"FW upgrade" page

| FW upgrade Open FW file MATRIX\8x8\2013-04-13\Matrix88_mm3.22_ms3.22.fw | 1 |
|---|-----|
| Open FW file MATRIX\8x8\2013-04-13\ <u>Matrix88_mm3.22_ms3.22.fw</u> | |
| Upgrading Part_2.1 100% | (2) |
| Upgrade | 3 |
| Messages | |
| Upgrading Part_1.1.3.22 | (4) |
| System rebooting, please wait | |
| System reboot ok | |
| Part_1.1.3.22 upgrading complete | |
| Upgrading Part_2.1.3.22 | |
| Part_2.1.3.22 upgrading complete | |
| System rebooting, please wait | |
| System reboot ok | |
| Firmware upgrade successfully! | |
| | |
| | |
| V | |
| | |
| <u>l</u> ear | 5 |

- ① Click to open firmware file (file extension is ".fw").
- ② Firmware upgrade progress
- ③ Click the button to upgrade firmware.

NOTE: If failure occurs during upgrading firmware process, the following steps SHOULD be done sequentially to establish next upgrading procedure:

- 1. Power down the Matrix
- 2. Close the 8x8 HDMI Matrix Controller
- 3. Re-power up the Matrix, then wait for 10 seconds to ensure the Matrix is ready
- 4. Run 8x8 HDMI Matrix Controller, open firmware file and upgrade again
- ④ Firmware upgrading messages display
- ⑤ Click to clear the messages displayed in the memo box.

Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

Warranty Policy

HDTV Supply's products are warranted against defects in material and workmanship for two years from the date of shipment. During the warranty period, HDTV Supply will, at its option, repair or replace products that prove to be defective. Repairs are warranted for the remainder of the original warranty or a 90 day extended warranty, whichever is longer.

For equipment under warranty, the owner is responsible for freight to us and all related customs, taxes, tariffs, insurance, etc. we is responsible for the freight charges only for return of the equipment from the factory to the owner. We will return the equipment by the same method (i.e., Air, Express, Surface) as the equipment was sent to HDTV Supply.

All equipment returned for warranty repair must have a valid RMA number issued prior to return and be marked clearly on the return packaging. HDTV Supply strongly recommends all equipment be returned in its original packaging.

HDTV Supply's obligations under this warranty are limited to repair or replacement of failed parts, and the return shipment to the buyer of the repaired or replaced parts.

Limitations of Warranty

The warranty does not apply to any part of a product that has been installed, altered, repaired, or misused in any way that, in the opinion of HDTV Supply, would affect the reliability or detracts from the performance of any part of the product, or is damaged as the result of use in a way or with equipment that had not been previously approved by HDTV

Supply. The warranty does not apply to any product or parts thereof where the serial number or the serial number of any of its parts has been altered, defaced, or removed.

The warranty does not cover damage or loss incurred in transportation of the product.

The warranty does not cover replacement or repair necessitated by loss or damage from any cause beyond the control of HDTV Supply, such as lightning or other natural and weather related events or wartime environments.

The warranty does not cover any labor involved in the removal and or reinstallation of warranted equipment or parts on site, or any labor required to diagnose the necessity for repair or replacement.

The warranty excludes any responsibility by HDTV Supply for incidental or consequential damages arising from the use of the equipment or products, or for any inability to use them either separate from or in combination with any other equipment or products.

A fixed charge established for each product will be imposed for all equipment returned for warranty repair where HDTV Supply cannot identify the cause of the reported failure.

Exclusive Remedies

HDTV Supply's warranty, as stated is in lieu of all other warranties, expressed, implied, or statutory, including those of merchantability and fitness for a particular purpose. The buyer shall pass on to any purchaser, lessee, or other user of HDTV Supply's products, the aforementioned warranty, and shall indemnify and hold harmless HDTV Supply from any claims or liability of such purchaser, lessee, or user based upon allegations that the buyer, its agents, or employees have made additional warranties or representations as to product preference or use.

The remedies provided herein are the buyer's sole and exclusive remedies. HDTV Supply shall not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory.

RMA Policy

When returning product to HDTV Supply for any reason, the customer should fill out the official RMA form to obtain a RMA number. Without the permission or approval, HDTV Supply will be no responsible for any return.

This can be initiated by emailing or calling your related sales.

All requests are processed within 48 hours.

Standard Replacement

For customers that agree to return defective product to HDTV Supply first, a Standard Replacement option is available.

An RMA number must first be issued by sales. This RMA number will need to be referenced on the outside of the return shipment.

Upon receipt of the defective product, HDTV Supply will, at its discretion, either repair or replace the product and ship it out in the most expeditious manner possible. Subject to availability, the replacement product will be shipped on the business day following receipt of the defective product.

In the event the product returned to HDTV Supply has been discontinued (i.e. the product is no longer being manufactured by HDTV Supply but is still under warranty), HDTV Supply will, at its discretion, either repair or replace with recertified product.

Once you have obtained an RMA number

After obtaining an RMA number from HDTV Supply, you must send the product - freight prepaid - to HDTV Supply Inc.. The HDTV Supply RMA number must be prominently displayed on the outside of your package. If you send your product to HDTV Supply without the RMA number prominently displayed on the outside of the package, it will be returned to you unopened.

Please use a shipping company that can demonstrate proof of delivery. HDTV Supply does not accept responsibility for any lost shipments unless proof of delivery to HDTV Supply is provided.

Please note:

Product shipped to HDTV Supply must be properly packaged to prevent loss or damage in transit.

Shipping your RMA to HDTV Supply using regular mailing envelopes is not acceptable, as they do not protect the product from damage during shipping.

HDTV Supply will not repair or replace a module that is shipped in such a way that the product is not properly protected.

HDTV Supply will not accept any product that has been damaged as a result of accident, abuse, misuse, natural or personal disaster, or any unauthorized disassemble, repair or modification.