# 18Gbps 4K@60hz HDMI 2.0 HDbaset matrix modular version



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.

# SAFTY NOTICE

- The transmission distances of HDMI over UTP cables are measured using TE CONNECTIVITY 1427071-6
- 2. EIA/TIA-568-B termination (T568B) for CAT cables is recommended for better performance.
- DO NOT use 568A/568B standard mixed CAT cable (cross-over cable) because there are 2 pairs swapped, this will make POE OVER-CURRENT and damage POE components. Please use straight-through CAT cable (both RJ45 headers are 568A or 568B standard).
- 4. It is recommended that power up the device after connections of source, sink and CAT cable.
- 5. To reduce the interference among the unshielded twisted pairs of wires in CAT cable, do not run HDBaseT / Zone Cat5e/6/6a cabling with or in close parallel proximity to mains power cables. Shielded CAT cables can be used to improve EMI problems, which is worsen in long transmission.
- Because the quality of the CAT cables has the major effect on how long the transmission limit can achieve and how good is the received picture quality, the actual transmission range is subject to one's choice of CAT cables.
- 7. Do not substitute or use any other Power Supply other than the enclosed unit, or a Factor Electronics approved Replacement Part. Doing so will void the warranty and potentially expose the user to dangerous voltages resulting in an electrical shock.
- 8. Do not disassemble the device for any reason. Doing so will void the manufacturer's warranty. Also, our unique case is an integral part of the design of this unit and is responsible for cooling and circuitry shielding. Any modifications to this case will potentially cause malfunction and product failure.
- 9. Do not expose the device to water, moisture, or liquid. Possible electric shock may result as well as failure of the unit to operate.

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## Introduction

The 16x16 HDbaset matrix is a Pro Matrix Switcher featured with 16x HDMI Inputs and 16x HDMI Outputs & 16x HDBaseT Outputs. This unit supports 4K/UHD video @ 60Hz with 4:4:4 chroma sampling, as well as HDMI data rates up to 18Gbps. It is also compatible with high dynamic range (HDR10) formats and all 3D formats. It supports audio embedding and de-embedding, along with multichannel digital audio formats such as Dolby® True HD and DTS-HD® Master Audio<sup>™</sup>. Based on smart HDBaseT technology, the output distance can reach up to 100m/330ft for 1080p and 70m/230ft for 4K via Cat5e/Cat6. Each source can be routed to any display using the front-panel push buttons, IR remote control, RS-232 interface, TCP/IP or Web GUI.

This pro matrix series provides the most flexible and cost effective solution in the Audio/Video market. It has been specifically designed to operate in challenging AV environment.

### **Features**

- 19inch 4U modular design, flexible horizontal I/O cards
- 16x HDMI inputs, 16x HDBaseT outputs & 8 mirrored HDMI outputs
- Supports 4K@60Hz 4:4:4, HDR, HLG and full 3D
- 16x HDBaseT output support transmitting 1080p up to 100m/330ft, 4K up to 70m/230ft
- Supports audio de-embedding on outputs as Coaxial and L/R audio output
- Volume control on L/R audio output
- IR/RS232 signal can pass through to the corresponding receiver (1 to 1, 2 to 2 ... 16 to 16) via HDBaseT
- Multi-channel audio pass through up to Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio, and Dolby Atmos
- LCD panel, IR, RS232, TCP/IP and Web GUI for control
- Support PoC (Power over cable) to power compatible HDBaseT receivers
- Advanced EDID management
- HDCP 2.2 compliant

# **Panel Descriptions**

# Front Panel

- 1. LCD Display -- Show the status of input-output selection, EDID info and so on.
- 2. IR Receiver Window -- Receive the IR from the remote control of matrix.
- 3. Power LED Indicator -- Indicate the status of the power for the matrix.
- 4. Power Button -- Press to power on/off the matrix.
- HDMI Input/ Output composite button 1 to 3– Press to select Input 1 to 3 or Output 1 to 3. Or combine with other button to select Input/ Output channel when Input/ Output is high than 9.
- HDMI Input/ Output multiple button 4 -- Press to select Input 4 or Output 4. Or combine with other button to select Input/ Output channel when Input/ Output is high than 9. This button also can be used to control cursor to Left under "MENU" editable status.
- HDMI Input/ Output multiple button 5 -- Press to select Input 5 or Output 5. Or combine with other button to select Input/ Output channel when Input/ Output is high than 9. This button also can be used to control cursor to Up under "MENU" editable status.
- 8. All Button for HDMI Outputs Press to select all of the outputs from 1 to 16
- 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	1080I	2.0CH.	
IN2	1080P	5.1CH	

5

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

- 10. Up Selection Button Press to change segment's value
- 11. ESC Press to quit EDID set mode
- 12. Lock LED Indicator -- Indicate the status of Lock.
- 13. Lock Button -- Press to lock the buttons of the front panel
- HDMI Input/ Output composite button 6 to 8– Press to select Input 6 to 8 or Output 6 to 8.
   Or combine with other button to select Input/ Output channel when Input/ Output is high than 9.
- 15. HDMI Input/ Output multiple button 9 -- Press to select Input 9 or Output 9. Or combine with other button to select Input/ Output channel when Input/ Output is high than 9. This button also can be used to control cursor to Right under "MENU" editable status.
- HDMI Input/ Output multiple button 0 -- Combine with other button to select Input/ Output channel when Input/ Output is high than 9. This button also can be used to control cursor to Down under "MENU" editable status.
- 17. PTP Button -- Press to mirror all inputs and outputs (e.g. output 1 to input1, output 2 to input2 and so on).
- 18. Selection Button -- Press to select segment to change setting. Selected segment will be blinking.
- 19. Down Selection Button -- Press to change segment's value.
- 20. Enter Button -- Press to set EDID to specified INPUT or copy EDID from specified OUTPUT to specified INPUT.

#### **Back Panel**



- 1. RJ45 TCP control
- 1. Master RS232 Port –DB9, female

2. L/R Input 1 to 16 - 3.5mm stereo earphone jack, to embed 2CH audio into the corresponding HDMI Inputs

3. RS232 Port 1 to 16 -- 3-pin phoenix terminal connector

4. Coaxial Output -- RCA connector. Multichannel digital audio loop outs for use with a sound system or multi-channel zone amplifier - Audio outputs follow the corresponding HDBaseT outputs e.g. Audio out 1 follows HDBaseT output 1.

5. L/R Output -- 3.5mm stereo earphone jack. Analog audio loop outs for use with a sound system or multi-channel zone amplifier - Audio outputs follow the corresponding HDBaseT outputs e.g. Audio out 1 follows HDBaseT output 1.

6. IR Output 1 to 16 –3.5mm mono phone-jack, connect to IR emitter cable.

- 7. Global IR Output -- 3.5mm mono phone-jack.
- 8. Global IR Input -- 3.5mm mono phone-jack.
- 9. Power Switch Power on/off the matrix
- 10. DC Power Input Connect to DC power supply included in package
- 11. GND Connect to ground
- 12. HDMI Output Connect to HDMI sink
- 13. IR Input 1 to 16 3.5mm stereo phone-jack, connect to IR sensor cable
- 14. HDBaseT output Connect to HDBT Receiver

15. L/R Output – 3.5mm stereo earphone jack. Extract analog audio from corresponding HDMI input.

16. HDMI Input – Connect to HDMI source

#### **Remote Control Description**



#### Output and Input select

A. OUTPUT-X select INPUT-Y:

- 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 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	18Gbps
Video Input Connectors	16x HDMI Type A, 19-pin, female
Audio Input Connectors	16x 3.5mm stereo earphone jack (L/R)
Video Output Connectors	16x HDMI Type A, 19-pin, female
	16x HDBaseT RJ45 connector
Audio Output Connectors	16x 3.5mm stereo earphone jack (L/R),
	16x RCA (SPDIF)
TCP/IP Control	1x RJ45 connector, female
IR Input ports	17x 3.5mm stereo jack
IR Output ports	17x 3.5mm stereo jack
RS232 series port	1x DB9 connector, female
	16x3-pin phoenix terminal connector
Dimensions(W x D x H)	440mm x 420mm x 180mm, without feet
Shipping Weight	14.6KG
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	100V-240V

# **Package Contents**

- 1) 1x 8x8 HDbaset matrix
- 2) 1x Power Supply
- 3) 1x Power Cord
- 4) 1x Master Remote Control
- 5) 17x IR Transmitter cable
- 6) 17x IR Receiver cable
- 7) 2x Rack-mount ears (19" Rack-Mountable)
- 8) 1x Serial Cable (9-pin RS232 to 3-pin phoenix connector)

# **RS-232 Pin Assignment**

16x16 Matrix		Remote Control Console	
PIN	Assignment	PIN	Assignment
1	NC	1	NC
2	Tx	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

Baud Rate: 57600 bps Data Bit: 8-bit Parity: None Stop Bit: 1-bit Flow Control: None

<u>NOTE</u>: Use **Straight Through DB9 Cable** to connect the matrix with computer, **DO NOT** use Crossover Cable (Null Modem Cable).

# **RS232 and Telnet Commands**

No.	Command	Action	
1	?	Print Help Information	
2	HELP	Print Help Information	
3	STATUS	Print System Status And Port Status	
4	PON	Power On, System Run On Normal State	
5	POFF	Power Off, System Run On Power Save State	
6	IR ON/OFF	Set System IR Control On Or Off	
7	KEY ON/OFF	Set System KEY Control On Or Off	
8	BEEP ON/OFF	Set Onboard Beep On Or Off	
9	LCD ON/OFF	Set LCD Always On Or Auto Turn Off In Power On State	
10	RSB x	Set RS232 Baud Rate to X bps	
		x=[0:115200 1:57600, 2:38400, 3:19200, 4:9600]	
11	RESET	Reset System To Default Setting	
		(Should Type "Yes" To Confirm, "No" To Discard)	
12	RESET ALL	Reset System And Network To Default Setting	
		(Should Type "Yes" To Confirm, "No" To Discard)	

13	OUT xx ON/OFF	Set OUTPUT:xx On Or Off
14	OUT xx FR yy	Set OUTPUT:xx From INPUT:yy
15	OUT xx EH/ET	Set OUTPUT:xx Use HDMI/HDBT EDID
		xx=[00]: All OUTPUT Port, [0108]: OUTPUT Port
		yy=[0108]: INPUT Port
16	POH TX yy ON/OFF	Set OUTPUT:yy POH On Or Off
		yy=[00]: All OUTPUT Port, [0108]: OUTPUT Port
17	VLC TX yy ON/OFF	Set OUTPUT:yy Valens Long Cable Mode On Or Off
		yy=[00]: All OUTPUT Port, [0108]: OUTPUT Port
18	PRESET STATUS	Print Preset Config Status
19	PRESET pp SET	Set Preset:pp Config
	aa,bb,cc,dd,ee,ff,gg,hh :	
20	PRESET pp SAVE	Save Current Output Connection
		To Preset:pp Config
21	PRESET pp APPLY	Apply Preset:pp Config To Output Connection
		pp=[0108]: Select Preset Index
		aa=[0108]: Output 01 From aa, [00]: Not Set
		bb: Output 02 hh: Output 08
22	EDID xx CP yy	Set Input:xx EDID Copy From Output:yy
23	EDID xx DF zz	Set Input:xx EDID To Default EDID:zz
		xx=[00]: All INPUT Port, [0108]: INPUT Port
		yy=[0108]: OUTPUT Port
		zz=00: HDMI 1080p@60Hz, Audio 2CH PCM
		zz=01: HDMI 1080p@60Hz, Audio 5.1CH DTS/DOLBY
		zz=02: HDMI 1080p@60Hz, Audio 7.1CH DTS/DOLBY/HD
		zz=03: HDMI 1080i@60Hz, Audio 2CH PCM
		zz=04: HDMI 1080i@60Hz, Audio 5.1CH DTS/DOLBY
		zz=05: HDMI 1080i@60Hz, Audio 7.1CH DTS/DOLBY/HD
		zz=06: HDMI 1080p@60Hz/3D, Audio 2CH PCM
		zz=07: HDMI 1080p@60Hz/3D, Audio 5.1CH DTS/DOLBY
		zz=08: HDMI 1080p@60Hz/3D, Audio 7.1CH DTS/DOLBY/HD
		zz=09: HDMI 4K@30Hz 4:4:4, Audio 2CH PCM
		zz=10: HDMI 4K@30Hz 4:4:4, Audio 5.1CH DTS/DOLBY
		zz=11: HDMI 4K@30Hz 4:4:4, Audio 7.1CH DTS/DOLBY/HD
		zz=12: DVI 1280x1024@60Hz, Audio None
		zz=13: DVI 1920x1080@60Hz, Audio None
		zz=14: DVI 1920x1200@60Hz, Audio None
		zz=15: User EDID 1
		zz=16: User EDID 2
		zz=17: GUI Download EDID
		zz=18: HDMI 4K@60Hz 4:2:0, Audio 2CH PCM

		zz=19: HDMI 4K@60Hz 4:2:0, Audio 5.1CH DTS/DOLBY
		zz=20: HDMI 4K@60Hz 4:2:0, Audio 7.1CH DTS/DOLBY/HD
		zz=21: HDMI 4K@60Hz 4:4:4, Audio 2CH PCM
		zz=22: HDMI 4K@60Hz 4:4:4, Audio 5.1CH DTS/DOLBY
		zz=23: HDMI 4K@60Hz 4:4:4, Audio 7.1CH DTS/DOLBY/HD
24		Pomoto PX:vv IP Output From Local IP in:uv
24		xx=[00]: All Remote Ry IR Output [01, 02]: Remote Ry IR
25		
25		
		xx-[0910]. Local IR Output
		xx=[1724]: Remote HDB1 Receiver IR Output
		+: Add XX To Current Setting
		-: Remove xx From Current Setting
26	MXIR GO (+-)XX	
		xx=[1724]: Remote HDB1 Receiver IR Input
		+: Add XX To Current Setting
07		-: Remove XX From Current Setting
27	MXRS XX TO yy	
		xx=[09]: Global RS-232
		yy=[00]: Not Connect To Any RS-232
		yy=[0916]:Remote HDB1 Receiveryy=[0916]: Remote
00		HDBT Receiver
28		
29		Input Port:XX Use Original Received HDMI/DVI Signal
30		Input Port:XX Embed Analog L/R To HDMI/DVI Signal
31	AUD RX XX AUTO	Input Port:xx Embed Analog L/R When DVI Signal
		xx==[00]: All Input Port, [0108]: Input Port
32	MUTE ON/OFF TX yy	Set Output Audio:yy Mute On or Off
		yy=[00]: All Output Audio, [0108]: Output Audio
33	AUD STA	Print Input/Output Port Audio Setting State
34	NET DHCP ON/OFF	Set Auto IP(DHCP) ON Or OFF
35	NET IP xxx.xxx.xxx	Set IP Address
36	NET GW xxx.xxx.xxx.xxx	Set Gateway Address

37	NET SM xxx.xxx.xxx	Set Subnet Mask Address
38	NET RB	Set Network Reboot and Apply New Config!!!
39	NET TN xxxx	Set Telnet Port

# **GUI Control**

#### PC System:

Microsoft Windows Operation System

#### Installation

16x16 HDMI Matrix controller is a green software. You just need to copy "16x16 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

#### **Common information**

General Port Tag Matrix control Input/Output setting IR/RS232 setting EDID control Advanced FW upgrade

Click to select tab page



	Denie a ITDMI Matrice O	0
COM control mode     COM2     COM2	Version: 3.22	ζŏ
S'P control mode	Input1: Not connected	Output1: Not connected
r control mode	Input2: Not connected	Output2: Not connected
[#1] - [Auto IP] - [192 - 1.121] - [18-98-66-85-2A-98 -	Input3: Connected	Output3: Not connected
	Input4: Not connected	Output4: Not connected
SearchConfig	Input5: Not connected	Output5: Not connected
	Input6: Not connected	Output6: Not connected
	Input7: Not connected	Output7: Not connected
<u>Connect</u>	InputS: Connected	Output8: Connected
Refresh device status		
Device status		
Display tags setting		
8 Display Input. Output tags when focus setting buttons		
- April april o when the most room county out on		

#### "General" page

- $\odot$  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
- Click to search all Matrix devices that connected in same subnet
- S 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 )
- $\bigcirc$  Click to refresh device status: include device information displayed in 9 area and Input/output port connection status in 0 area.

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

- 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	×
Device information	
Device Tag	
#1	
2 • Auto IP • Static IP	
<b>B</b> address	
4 10 - 100 - 001 - 12A - 190	

- $\odot$  Set tag to identify Matrix device
- 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.
- Matrix device MAC address
- **5** 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

ag of Input1	Tag of Input5	Tag of Output1	Tag of Output5
Blue-ray DVD	Device5	Meeting room	Display5
Fag of Input2	Tag of Input6	Tag of Output2	Tag of Output6
Game player	Device6	Entertainment room	Display6
Fag 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 (2)	Office	Display8

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

#### NOTE:

- 1) Edit boxes are read only, click "Edit" button to pop up window to edit the tags.
- 2) 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.

Click buttons with "×" 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:

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	•	×

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

Click buttons with "×" 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.

Output I	Output2	Output3	Out	put4	Output5	Output6	Out	put7	Output8
1 2 1 2 3 4 3 6 7 8	1234			234	1234			234	
		لندلف الا				⊥⊻ات رام			
	(4)								
Output from 1	Input								
Output from I Pre-Settings	Input								
Output from I Pre-Settings Vame	Input Output 1	Output2	Output3	Output4	Output5	Output6	Output7	Output8	
Output from I Pre-Settings Vame Setting1	Input Output1 1	Output2	Output3 3	Output4	Output5	Output6	Output7 7	Output8	
Output from I Pre-Settings Vame Setting1 Setting2	Input Output1 1 1	Output2 2 2	Output3 3 3	Output4	Output5	Output6	Output7 7 7	Output8	Ŧ
Output from I Pre-Settings Vame Setting1 Setting2 Setting3	Cutput1	Output2 2 2 2	Output3 3 3 3	Output4 4 4 4	Output5 5 5 5	Output6 6 6	Output7 7 7 7 7	Output8 8 8 8	Ŧ
Output from 1 Pre-Settings Vame Setting1 Setting2 Setting3 Setting4	Output1	Output2 2 2 2 2	Output3 3 3 3 3	Output4 4 4 4 4	Output5 5 5 5 5 5	Output6 6 6 6 6	Output7 7 7 7 7 7	Output8 8 8 8 8 8 8	6
Output from 1 Pre-Settings Vame Setting1 Setting2 Setting3 Setting4 Setting5	Output1	Output2 2 2 2 2 2	Output3 3 3 3 3 3 3	Output4 4 4 4 4 4	Output5 5 5 5 5 5 5	Output6 6 6 6 6 6	Output7 7 7 7 7 7 7 7	Output8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	6
Output from 1 Pre-Settings Setting1 Setting2 Setting3 Setting4 Setting5 Setting6	Output 1	Output2 2 2 2 2 2 2 2 2	Output3 3 3 3 3 3 3 3 3	Output4 4 4 4 4 4 4 4 4	Output5 5 5 5 5 5 5	Output6 6 6 6 6 6 6	Output7 7 7 7 7 7 7 7 7	Output3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Edit 7
Output from 1 Pre-Settings Setting1 Setting2 Setting3 Setting4 Setting5 Setting6 Setting7	Output1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1           1	Output2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Output3 3 3 3 3 3 3 3 3 3 3 3 3	Output4 4 4 4 4 4 4 4 4 4	Output5 5 5 5 5 5 5 5 5 5 5	Output6 6 6 6 6 6 6 6 6	Output7 7 7 7 7 7 7 7 7 7 7 7	Output8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	6 Edit 7

#### "Setting" page

- ① 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
- $\bigcirc$  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:

Output1	Output2	Output3	Out	put4 Output5	Output6	Output7	Output8
1 2 3 4	1234	12	3 4 1	2 3 4 1 2 3	4 1 2 3 4	12:	3 4 1 2 3 4
5678	5 6 7 8	567	8 5	Output1 - Meeting	room] / 8	56	785678
				Output2 - [Entertai Output3 - [VIP]	nment room]		
Output4 - [Off	fice] from Inp	out2 - [Gam	e player]	Output4 - [Office]	a 📃		
Pre-Settings				Output6 - Displaye			
Name	Output1	Output2	Output3	Output7 - [Display7		utput7 C	Putput8
Setting1	1	2	3	Output8 - [Display8	ก์ 🗌	7	8
Setting2	1	2	3	Input1 - [Blue-ray I	DVD]	7	8
Setting3	1	2	3	Input2 - [Game play	ver	7	8
Setting4	1	2	3	Input3 - [Set-top Bo	x	7	8
Setting5	1	2	3	Input4 - IPC1		7	8
Setting6	1	2	3	Input5 Device51		7	8 <u>E</u> dit
Setting7	1	2	3	Inpute [Device6]		7	8
Setting8	1	2	3	Inputo - [Deviceo]		7	8 <u>S</u> et
				Input8 - [Device8]			

#### Pop-up Menu

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

like as:

Output l	Output2	Output3	Outpu	ıt4 Oı	utput5	Output6	Out	put7	Output8
1234 5678	1234 5678		3 4 1 1 7 8 5 4	All Outputs 1 Output 2 Outputs 3 Outputs 4 Outputs	2 3 4 6 7 8		3 4 1 7 8 5	234 678 • •	1234 5678
Output 1 IOI	fical from In	ant? [Com	a nloverl	- outputs					
Output4 - [Of	ffice] from Inj	put2 - [Gam	ie player]	5 Outputs 6 Outputs					
O <b>utput4 - [Of</b> re-Settings	ffice] from Inj	put2 - [Gam	ie player]	<u>5</u> Outputs <u>6</u> Outputs <u>7</u> Outputs					
O <b>utput4 - [Of</b> re-Settings Name	ffice] from Inj	put2 - [Gam Output2	e player] Output3	5 Outputs 5 Outputs 6 Outputs 7 Outputs Port to Port	utput5	Output6	Output7	Output8	
O <b>utput4 - [Of</b> re-Settings Name Setting1	fice] from Inj Output1	put2 - [Gam Output2 2	e player] Output3 3	5 Outputs 5 Outputs 6 Outputs 7 Outputs Port to Port 4	utput5	Output6 6	Output7 7	Output8 8	Ī
Output4 - [Of re-Settings Name Setting1 Setting2	fice] from Inj Output1	<b>Dutput2 - [Gam</b> Output2 2 2	Output3	5 Outputs 6 Outputs 7 Outputs Port to Port 4 4	utput5 5 5	Output6 6 6	Output7 7 7	Output8 8 8	T
Output4 - [Of re-Settings Name Setting1 Setting2 Setting3	fice] from Inj Output1 1 1 1	Output2 - [Gam	Output3 Output3 3 3 3	5 Outputs 6 Outputs 7 Outputs Port to Port 4 4 4	utput5 5 5 5	Output6 6 6 6	Output7 7 7 7 7	Output8 8 8 8	Ē
Output4 - [Of re-Settings Name Setting1 Setting2 Setting3 Setting4	ffice] from In Output1 1 1 1 1	Output2 - [Gam Output2 2 2 2 2 2	Output3 Output3 3 3 3 3	5 Outputs 6 Outputs 7 Outputs Fort to Port 4 4 4 4	utput5 5 5 5 5 5	Output6 6 6 6 6 6	Output7 7 7 7 7 7 7	Output8 8 8 8 8 8 8	
Output4 - [Of re-Settings Name Setting1 Setting2 Setting3 Setting4 Setting5	ffice] from In Output1 1 1 1 1 1	Dutput2 - [Gam Output2 2 2 2 2 2 2	Output3 Output3 3 3 3 3 3 3	5 Outputs 6 Outputs 7 Outputs Fort to Port 4 4 4 4 4 4 4	utput5 5 5 5 5 5 5 5 5 5	Output6 6 6 6 6 6	Output7 7 7 7 7 7 7	Output8 8 8 8 8 8 8 8 8	
Output4 - [Of re-Settings Name Setting2 Setting3 Setting4 Setting5 Setting6	ffice] from In Output1 1 1 1 1 1 1 1 1 1	Output2 - [Gam Output2 2 2 2 2 2 2 2 2 2 2 2	Output3 Output3 3 3 3 3 3 3 3 3 3 3	5 Outputs 6 Outputs 7 Outputs Port to Port 4 4 4 4 4 4 4 4 4 4	utput5 5 5 5 5 5 5 5 5 5 5	Output6 6 6 6 6 6 6 6	Output7 7 7 7 7 7 7 7 7	Output8 8 8 8 8 8 8 8 8 8 8 8	Edit
Output4 - [Of re-Settings Name Setting2 Setting3 Setting4 Setting5 Setting6 Setting7	ffice] from In Output1 1 1 1 1 1 1 1 1 1 1 1 1	Output2         Gam           2         2           2         2           2         2           2         2           2         2           2         2           2         2           2         2           2         2           2         2           2         2           2         2	Output3 Output3 3 3 3 3 3 3 3 3 3 3 3 3 3	5 Outputs 6 Outputs 7 Outputs Fort to Port 4 4 4 4 4 4 4 4 4 4 4 4 4	utput5 5 5 5 5 5 5 5 5 5 5 5 5 5	Output6 6 6 6 6 6 6 6 6	Output7 7 7 7 7 7 7 7 7 7 7	Output8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Edit

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:

Setting name Setting1	All Outputs from Select Input
Out1 - [Meeting room] from	Out5 - [Display5] from
In1 - [Blue-ray DVD] ( 3 ) 🔹	In2 - [Game player]
Out2 - [Entertaiment room] from	Out6 - [Display6] from
In3 - [Set-top Box]	In5 - [Device5]
Out3 - [VIP] from	Out7 - [Display7] from
In5 - [Device5]	In5 - [Device5]
Out4 - [Office] from	Out8 - [Display8] from
In4 - [PC]	· In7 - [Device7]

- 0 Pre-Setting name
- ② Set all Output ports from same Input
- 3 Select Input for respective Output

#### "EDID control" page

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

• 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.

- 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.
- A Save EDID content which displayed in grid to binary file (file extension is ".bin")
- S Open EDID binary file and display in grid
- G 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.
- $\checkmark$  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



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



- $\bigcirc$  Click to open firmware file (file extension is ".fw").
- Firmware upgrade progress bar
- 3 Click the button to upgrade firmware.
- Firmware upgrading messages display
- **S** Click to clear the messages displayed in the memo box.

**<u>NOTE</u>**: 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

#### Set Video Input Source

Input 1	Input 2	Input 3	Input 4	Input 5	Input 6	Input 7	Input 8
HDMI -	HDMI -	HDMI -	HDMI 💌	HDMI -	HDMI -	HDMI -	HDMI -
□ Auto	☐ Auto	☐ Auto	□ Auto	☐ Auto	□ Auto	□ Auto	☐ Auto

Each input can be from HDMI or HDBaseT chosen via the pop-up menu under each Input port.

- 1) Choose HDMI, then the HDMI input will be enabled; the HDBT input will be disabled.
- 2) Choose HDBT, then the HDBT input will be enabled; the HDMI input will be disabled.
- 3) Choose Auto, the input will auto-scan the inputs between HDMI and HDBT. For example, if Input 1 chooses HDBT and Auto, the input 1 will auto-scan from HDBT to HDMI, if the HDBT input has signal detected, input will stay to HDBT input, if not, it will scan the HDMI input and stay there when signal detected.

#### Set Audio Source for Input

Audio Source for HDMI/HDBaseT Input 1	Outputs Input 2		Input 3		Input 4	
Original	Original	-	Original	-	Original	-
Original	Input 6		Input 7		Input 8	
Analog L/R In embeded Analog embeded when DVI	Original	-	Original	•	Original	-

Each input audio source can be from the original HDMI/HDBT input, analog L/R embedded or Analog embedded when DVI.

- 1) Choose original, the audio will be from the HDMI/HDBT input.
- Choose Analog L/R In embedded, the local L/R In will remove the original audio from the HDMI/HDBT input and be embedded.
- Choose Analog embedded when DVI, when DVI signal is detected, it will embed the L/R In.

**Note:** Only PCM audio can be converted to analog audio output.

#### **Remote HDBT Receiver IR Output Control**

Remote HDBT Receiver IR outp	out control		
Remote RX1 IR output from	Remote RX2 IR output from	Remote RX3 IR output from	Remote RX4 IR output from
Local IR In1 💌	Local IR In2 -	Local IR In3 🔻	Local IR In4 👻
Remote RX5 IR output from	Remote RX6 IR output from	Remote RX7 IR output from	Remote RX8 IR output from
Local IR In5 🔹	Local IR In6 💌	Local IR In7 💌	Local IR In8 💌

It provides the flexibility to the IR path from local IR in to the IR output of each Remote HDBT receiver. The default setting will be each local IR in to the IR output of corresponding remote

HDBT receiver. For example: Local IR in 1 to IR output of remote HDBT receiver 1 and local IR in 8 to IR output of remote HDBT receiver 8.

#### **Global All IR In**

Global All IR In goes to Remote HDBT Transmitter(x) IR output  $\overrightarrow{v} 1 \quad \overrightarrow{v} 2 \quad \overrightarrow{v} 3 \quad \overrightarrow{v} 4 \quad \overrightarrow{v} 5 \quad \overrightarrow{v} 6 \quad \overrightarrow{v} 7 \quad \overrightarrow{v} 8 \quad \overrightarrow{v} All$ Local IR Out(x)  $\overrightarrow{v} 1 \quad \overrightarrow{v} 2 \quad \overrightarrow{v} 3 \quad \overrightarrow{v} 4 \quad \overrightarrow{v} 5 \quad \overrightarrow{v} 6 \quad \overrightarrow{v} 7 \quad \overrightarrow{v} 8 \quad \overrightarrow{v} All$ Remote HDBT Receiver(x) IR output  $\overrightarrow{v} 1 \quad \overrightarrow{v} 2 \quad \overrightarrow{v} 3 \quad \overrightarrow{v} 4 \quad \overrightarrow{v} 5 \quad \overrightarrow{v} 6 \quad \overrightarrow{v} 7 \quad \overrightarrow{v} 8 \quad \overrightarrow{v} All$ 

Global All IR In can be set flexibly to any specific IR output or all of the IR outputs.

#### **Global All IR Out**

```
Global All IR Out comes from

Remote HDBT Transmitter(x) IR input

\overrightarrow{v} \ 1 \ \overrightarrow{v} \ 2 \ \overrightarrow{v} \ 3 \ \overrightarrow{v} \ 4 \ \overrightarrow{v} \ 5 \ \overrightarrow{v} \ 6 \ \overrightarrow{v} \ 7 \ \overrightarrow{v} \ 8 \ \overrightarrow{v} \ All

Local IR In(x)

\overrightarrow{v} \ 1 \ \overrightarrow{v} \ 2 \ \overrightarrow{v} \ 3 \ \overrightarrow{v} \ 4 \ \overrightarrow{v} \ 5 \ \overrightarrow{v} \ 6 \ \overrightarrow{v} \ 7 \ \overrightarrow{v} \ 8 \ \overrightarrow{v} \ All

Remote HDBT Receiver(x) IR input

\overrightarrow{v} \ 1 \ \overrightarrow{v} \ 2 \ \overrightarrow{v} \ 3 \ \overrightarrow{v} \ 4 \ \overrightarrow{v} \ 5 \ \overrightarrow{v} \ 6 \ \overrightarrow{v} \ 7 \ \overrightarrow{v} \ 8 \ \overrightarrow{v} \ All
```

Global All IR Out can be set flexibly from any specific IR output or all of the IR inputs.

Global All IR In loop to Global All IR Out	
✓ Loop	

Global All IR In can be set to loop to Global All IR Out.

#### Global RS-232 Route

Matrix only	•
Matrix only	-
Remote HDBT Receiver 1	
Remote HDBT Receiver 2	
Remote HDBT Receiver 3	
Remote HDBT Receiver 4	
Remote HDBT Receiver 5	
Remote HDBT Receiver 6	
Remote HDBT Receiver 7	
Remote HDBT Receiver 8	

Global RS232 can be flexibly set to any of the RS232 port, whether remote receiver side or the local side.

#### Web GUI

#### How to enter Web GUI

Type in IP address "192.168.0.200" in web browser to enter the Web GUI. First login will enter the default Guest account, in which you can only check limited system info and perform simple source switching.

		Matrix-8x8 Guest Logout
Zone	System Information	
	Model	Matrix-8x8
	Firmware	3.08
	Power	On
	Source Selection Status	
	Out 1: OUTPUT1	In 1: INPUT1
	Out 2: OUTPUT2	In 1: INPUT1
	Out 3: OUTPUT3	In 1: INPUT1
	Out 4: OUTPUT4	In 1: INPUT1
	Out 5: OUTPUT5	In 1: INPUT1
	Out 6: OUTPUT6	

#### Admin account

Logout the guest account and longin admin account for full access.

Account Name: admin Password: 1234

http://192.168.0.200/	P + C Matrix	x X	<u>ن</u> ش
	💄 admin		
	••••	•	
	Log in		

#### Zone Page

Same as Guest account interface

		Matrix-8x8 📿 Admin 💷	out
Zone	System Information		
Status	Model	Matrix-8x8	
	Firmware	3.08	
Config	Power	On	
Output	Source Selection Status		
Input	Out 1: OUTPUT1	In 1: INPUT1	•
Preset	Out 2: OUTPUT2	In 1: INPUT1	•
EDID	Out 3: OUTPUT3	In 1 INPLIT1	•
Audio			
IR&RS232	Out 4: 001P014		•
lleare	Out 5: OUTPUT5	In 1: INPUT1	•

#### **Status Page**

System info and Web UI info including Model Number, Firmware Version, Power Status, IP status, IP address, Gateway, Subnet Mask, MAC Address and UI Version. You can turn ON/OFF the matrix thru click the power icon on the bottom.

		Matrix-8x8 Admin Logout
Zone	System Information	
Status	Model	Matrix-8x8
otatus	Firmware	3.08
Config	Power	On
Output	Web UI Information	
Input	Auto IP	Off
Preset	IP	192.168.0.200
EDID	Gateway	192.168.0.1
Audio	Mask	255.255.0.0
Audio	MAC	7A:20:0E:00:1D:54
IR&RS232	UI Version	6.32

#### **Config Page**

You can set DHCP, IP Address, Gateway and Subnet Mask, you can aslo custom name for the Inputs (such as Sky STB, SONY DVD, SAMSUNG DVD, etc) and Outputs (such Room 1, Room 2, Room 3, etc.)

Notwork Settings   Auto IP   Auto IP   IP   192.168.0.200   Gateway   192.168.0.1   Mask   255.255.0.0   Port Names   Port Names   In 1   In2   In2   In3   In4			Matrix-8x8 Admin Logout
Auto IP Off   Config   Putput   hput   Gateway   IP   Gateway   IP2.168.0.200   Gateway   IP2.168.0.1   Mask   255.255.0.0   Port Names   In 1   INPUT1   In 2   In 1   INPUT2   In 3   INPUT3   In 4	Zone	Network Settings	
PontigIP192.168.0.200ConfigGateway192.168.0.1Mask255.255.0.0Port NamesPort NamesIn 1INPUT1In 2INPUT2In 3INPUT3In 4INPUT4	Status	Auto IP	Off On
Gateway 192.168.0.1   hput Mask 255.255.0.0   Preset Port Names   In 1 INPUT1   In 2 INPUT2   In 3 INPUT3   In 4 INPUT4	Config	IP	192.168.0.200
Mask     255.255.0.0       Preset     Port Names       IDID     In 1     INPUT1       Audio     In 2     INPUT2       R&RS232     In 3     INPUT3       Isers     In 4     INPUT4	Output	Gateway	192.168.0.1
Preset Port Names Port Names In 1 In 1 In 2 In 2 In 3 In 3 In 4 In 4 In 2 In 9 In 1 In 9	nput	Mask	255.255.0.0
EDID Audio R&R\$232 Jsers In 4 INPUT3 INPUT4	Preset	Port Names	
Nudio     In 2     INPUT2       R&R\$232     In 3     INPUT3       Jsers     In 4     INPUT4	DID	In 1	INPUT1
R&RS232 Jsers In 3 INPUT3 In 4 INPUT4	Audio	In 2	INPUT2
Jsers In 4 INPUT4	R&RS232	In 3	INPUT3
	Jsers		INDITA
		111 *	

#### **Output Page**

You can select Input for each Output, enable/disable each Ouput and set priority for HDMI/HDBaseT. This page also shows the connect status for HDMI/HDBaseT ports.

					Matrix-8x8 Admin Logout
Zone	Out 1: OUTPUT1				
Status	From Input	Output	HDMI Cable	HDBT Cable	
Config	In 1: INPUT1 🔻	Enabled -	Disconnected	Disconnected	
Output	Out 2: OUTPUT2				
Innut	From Input	Output	HDMI Cable	HDBT Cable	
input	In 1: INPUT1 🔻	Enabled +	Disconnected	Disconnected	
Preset	Out 3: OUTPUT3	1			
EDID	From Input	Output	HDMI Cable	HDBT Cable	
Audio	In 1: INPUT1 🔻	Enabled -	Disconnected	Disconnected	
IR&RS232	Out 4: OUTPUT4				
Users	From Input	Output	HDMI Cablo	HDBT Cablo	
	In 1: INPLIT1	Enabled -	Disconnected	Disconnected	

#### **Input Page**

You can set the Input Source priority (Force HDMI, Force HDBT, Auto HDMI or Auto HDBT), check the current input source and check the HDMI/HDBT connect status.

					Matrix-8x8 Admin
Zone	In 1: INPUT1				
Status	Source Priority	Source	HDMI Cable	HDBT Cable	
Config	Porce HEIMI	TIDIWI	Disconnected	Disconnected	
Output	In 2: INPUT2				
Input	Source Priority	Source HDMI	HDMI Cable Disconnected	HDBT Cable Disconnected	
Preset	In 3: INPUT3				
EDID Audio	Source Priority	Source HDMI	HDMI Cable Disconnected		
IR&RS232	In 4: INPUT4				

#### **Preset Page**

There're several preset input/output settings for you to choose.

			Matrix-8x8 🔼 Adı	min Logout
Zone	Preset 1			Apply
Status	Out 1: OUTPUT1	Out 2: OUTPUT2	Out 3: OUTPUT3	
Config	In 1: INPUT1	▼ In 1: INPUT1	▼ In 1: INPUT1	•
Output	Out 4: OUTPUT4	Out 5: OUTPUT5	Out 6: OUTPUT6	
Input	In 1: INPUT1	✓ In 1: INPUT1	▼ In 1: INPUT1	*
Preset	Out 7: OUTPUT7	Out 8: OUTPUT8		
EDID	In 1: INPUT1	▼ In 1: INPUT1	•	
Audio	Preset 2			Apply
IR&R\$232	Out 1: OUTPUT1	Out 2: OUTPUT2	Out 3: OUTPUT3	
	Not Used	▼ Not Used	▼ Not Used	*

#### EDID Page

You can select build-in EDID patterns for each input, and select EDID priority for HDMI/HDBT.

		Matrix-8x8 Admin Logout
Zone	Input EDID Setting	
Status	In 1: INPUT1	HDMI-1080P Audio-2.0CH
Config	In 2: INPUT2	HDMI-1080P Audio-2.0CH
Output	In 3: INPUT3	HDMI-1080P Audio-2.0CH
Input	In 4: INPUT4	HDMI-1080P Audio-2.0CH
Preset	In 5: INPUT5	HDMI-1080P Audio-2.0CH
EDID	In 6: INPUT6	HDMI-1080P Audio-2.0CH
Audio	In 7: INPUT7	HDMI-1080P Audio-2.0CH
IR&RS232	In 8: INPUT8	HDMI-1080P Audio-2 0CH

#### Audio Page

You can select audio source for each output, set audio delay values, and control audio volume.

						Matrix-8x8 Admin Logout
Zone	Analogue Audio					
Status	Out 1: OUTPUT1					
Config	Type:		Port:		Audio Delay:	
	ARC	Ψ.	1	•	No delay 🔻	
Output	Analogue Volume:					
Input	())					26
Preset						
	Out 2: OUTPUT2					
EDID	Туре:		Port:		Audio Delay:	
Audio	ARC	٣	2	•	No delay 🔻	
IR&RS232	Analogue Volume:					
Users						25

#### IR&RS232 Page

You can set routing path for IR & RS232.

							Matrix-8x8	Admin	Logout
Zone	HDBT F	Remote RX IR C	Output From						
Status	Remote	RX 1 IR Output	From	Remote RX 2	R Output From		Remote RX 3 IR	Output From	
Config	Local I	R In 1	•	Local IR In 1		•	Local IR In 2		•
Output	Remote	RX 4 IR Output	From	Remote RX 5	R Output From		Remote RX 6 IR	Output From	
Input	Local I	R In 3	•	Local IR In 4		•	Local IR In 5		•
Preset	Remote	RX 7 IR Output	From	Remote RX 8	R Output From				
EDID	Local II	R In 6	•	Local IR In 7		•			
Audio	Global	IR All In Goes to	)						
	Remote	HDBT TX IR OU	itput					Disable All	Enable A
IR&RS232	1	2	3	4	5	6	7	8	
Users	Local IR	Output		œ.			2	Disable All	Enable A
	1	2	3	4	5	6	7	8	Lindbieva
	1	2	3	4	5	6	7	8	

#### **Users Page**

You can creat, edit and remove account. PS: Admin account can't be deleted.

				Mat	rix-8x8
Zone	Users				Ad
Status	Custom user cre require any login	ation allows you to limit output password to control the matr	it and source access per u ix	user 'guest user' is a	default user account that does n
Config	When you add a	custom user please delete "C	Guest User" account if you	wish to prevent ger	eral access to the matrix
	_				
Output	Name	Inputs	Outputs		
Input	Admin	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	Edit	
Preset	Guest	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	Edit	Remove
EDID					
Audio					

#### **Custom Account**

Example for create Custom Account – Gordon\_Gong

		Matrix-8x8 📿 Admin Logout			
Zone	New Users	Add Use			
Status	User Name:	Gordon_Gong			
Config	Password (4 digits):	••••			
Output	Confirm Password:	••••			
Input	Inputs:	V 1 V 2 V 3 V 4 V 5 V 6 V 7 V 8			
Preset	Outputs:				
EDID					
Audio					
IR&RS232					
Heore					

				Matrix-8x8 Admin Logout	
Zone	Users				Ad
	Custom user creatio	n allows you to limit outpu	it and source access per u	user 'guest user' is a c	default user account that does
Status	require any login pas	ssword to control the matr			
Config	When you add a cus	tom user please delete "C	Guest User" account if you	i wish to prevent gene	eral access to the matrix
Output	Name	Inputs	Outputs		
Input	Admin	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	Edit	
Preset	Guest	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	Edit	Remove
EDID	Gordon_Gong	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	Edit	Remove
Audio					
IR&RS232					