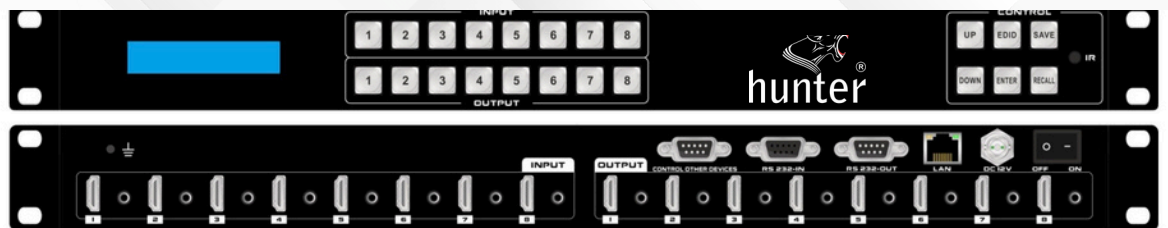


9304-HUV-M88A84K - Hunter HDMI 2.0 4K Matrix 8x8 With Audio

9304-HUV-M88A84K

User Manual

www.hunterbharat.com



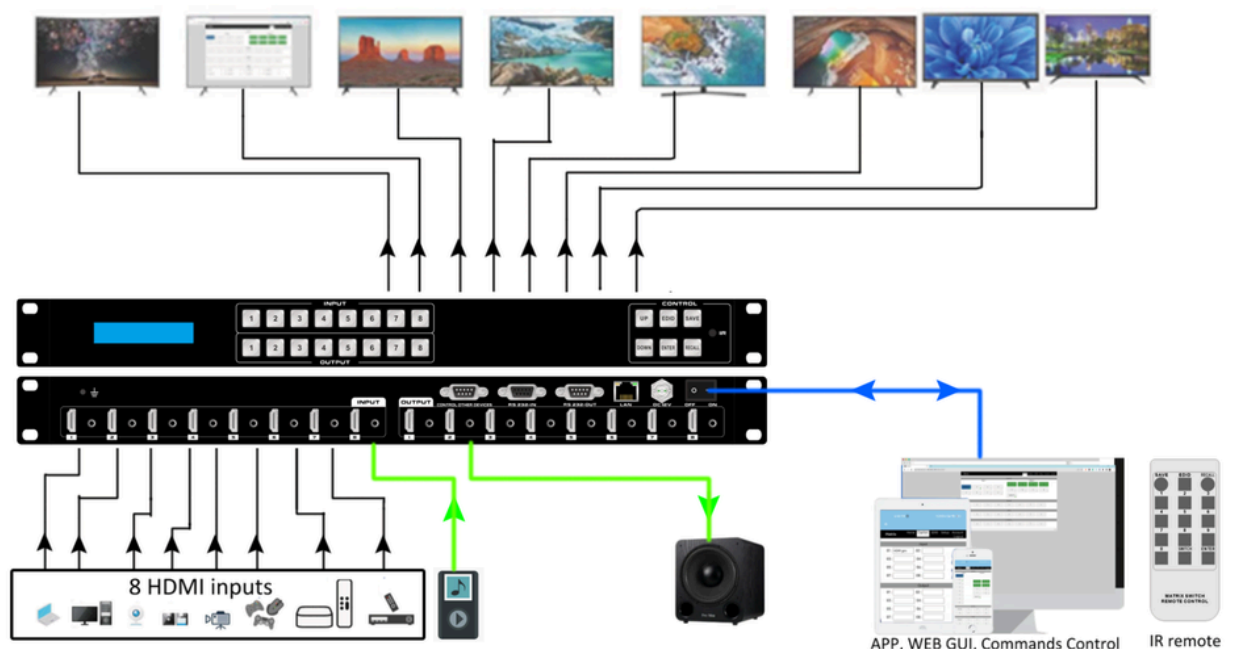
Product Introduction

Hunter HDMI matrix switcher supports 4K@60 with 8 HDMI 2.0 inputs and 8 HDMI 2.0 outputs; each HDMI port has audio 3.5 port, the resolution can up to 4K60Hz and all ports are HDCP 2.2 compliant. User Control methods - IR remote control, 2-Press push buttons with background blue light, WEB GUI, APP and RS232/UDP commands, this matrix switcher can work with the Blu-Ray Players, Set-Top boxes, Home Theater, and game consoles etc HDMI input sources to route to the HDMI displays, it has been widely used in different audio visual applications.

Features

- 8 HDMI2.0 inputs with 3.5mm audio embedded for each input
- 8 HDMI2.0 outputs with 3.5mm audio de-embedded for each output
- Supports HDMI2.0, HDCP2.2
- The resolution can up to 4K@60Hz
- Supports LPCM 7.1CH, Dolby TrueHD, Dolby Digital and DTS-HD Master Audio
- Supports IR remote control(IR remote control codes are available)
- Supports smart EDID management, including 8-output EDID, 15 internal EDID.
- Supports RS-232 and TCP/IP Control(WEB GUI, APP and IR remote)
- Supports 2-press push buttons control with blue lights
- Supports to rename the inputs and outputs, scenes

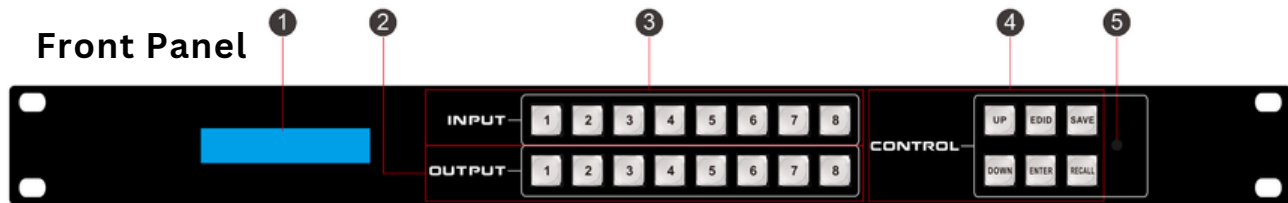
Connection Diagram



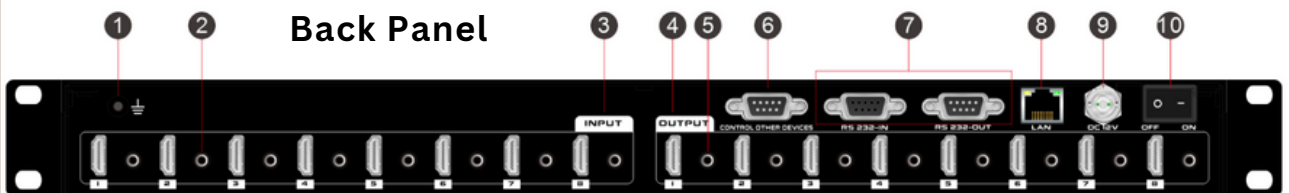
Specification

Resolutions	480i, 576i, 480p, 576p, 720p, 1080i, 1080p@24/30/50/60Hz, 4K@60Hz
Input ports	8* HDMI, 1* RS-232(control), 1 * RJ-45(control), 8*3.5mm audio
Output Ports	8* HDMI, 1* RS-232(control),8*3.5mm audio
ESD Protection	±8kV (Air-gap discharge), ±4kV (Air-gap discharge)
Controlling	IR remote control, front buttons control, RS232, UDP
Power	DC:12V 2A
Dimension	440*260*44(mm)
Weight	4Kg

Panel description



- **LCD screen:** for the switching, EDID, IP etc information display.
- **OUTPUT:** 8 HDMI input buttons
- **INPUT:** 8 HDMI output buttons
- **CONTROL:**
 - **UP:** for upward controlling, or when press input and press UP to all outputs
 - **EDID:** Press it to enter EDID set mode.
 - **SAVE:** Press to save the switching status.
 - **Down:**for upward controlling
 - **ENTER:** Press to confirm to save the setting.
 - **RECALL:** Press it to recall the presets/scenes.
- **IR:** IR receiver for the IR remote control



1. For the ground wiring
2. 3.5mm audio input for each HDMI input
3. INPUT: 8 female HDMI Input ports
4. OUTPUT: 8 female HDMI output ports
5. 3.5mm audio outputs for each HDMI output
6. Control other devices: from the WEB GUI setup to fill out the commands
7. RS232 IN&RS232 OUT: RS232 ports for the RS232 control
8. LAN: for the IP/TCP control, the default IP address is 192.168.1.80
9. DC12V: power supply port
10. ON/OFF: power off/on switch

Matrix Switcher control

Hunter Matrix switcher can support IR remote, APP, RS232/TCP/IP software, WEB GUI browser or the front push-buttons control.

Remote control

Users also can control this matrix switcher with the remote control

Channel Switching

Press the input from number “1~8”, then press “SWITCH”, then press the output from number “1~8”, can press the outputs continually.

Eg. Switch input 1 to output 1, 2, 3:

Switch 1,2,3

- **Scene Save**

Press “SAVE”, then press the scene number from “1~8”.

Eg, Save switching input 1 to output 1,2,3 to scene 2:

"SAVE" "2"

- **Scene Recall :**

Press “RECALL”, then press the scene number from “1~8”.

Eg, Recall scene 2:

"RECALL" "2"

- **EDID Setting:**

Press “EDID” button to enter EDID setting mode, then press number “0” to choose the needed EDID, then press “ENTER” to confirm, or press number “9” to cancel or return to home page.

"EDID" "0" "ENTER"

- **APP control**

Users can download the APP from the Google play or Apple store by searching keywords “MCS”, then need to make sure the Matrix switcher is connected to the WIFI router and the mobile devices is connected to the same WIFI. The default IP address of the matrix switcher is 192.168.1.80.

Open the APP and Enter the IP address of the matrix switcher:



192.168.1.80

ENTER

Click Enter and login with the user name and password, the default User name is admin, password is admin.

Matrix

Home Caption Config Setup Account

User Name

Password

• WEB GUI browser Control

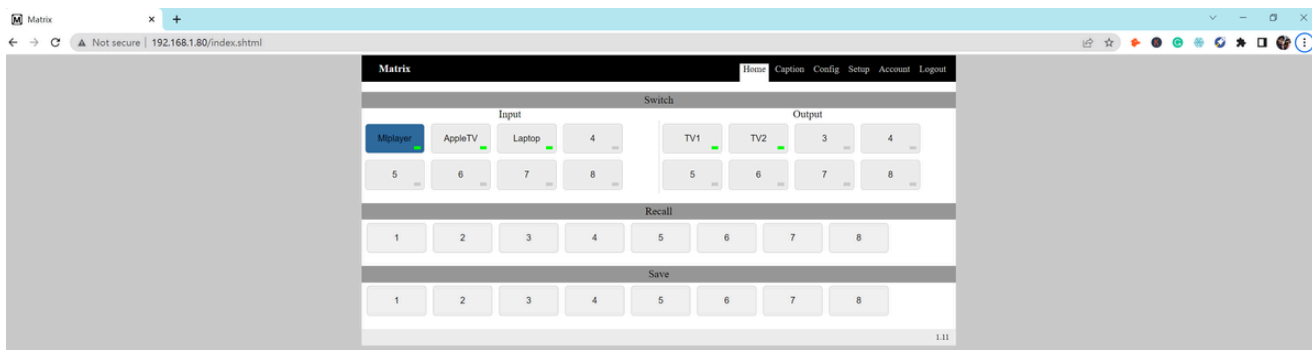
Users also can use the WEB browser to control the matrix switcher, users can have the matrix switcher connected with the PC with the LAN cable directly or have the matrix switcher connected the same network switch. The default IP address of the matrix switcher is 192.168.1.80.

After opening the browser, users can type the matrix switcher IP address and press enter:

The default user name is admin and the password is admin.



After login, it will turn to "Home" interface, users can do the sources switching, scenes recall, save and the other devices control here.



Caption tab is from users to change then input, output, scene names, also can setup the control other devices commands here.

The screenshot shows the 'Caption' configuration page in the Matrix web interface. It features four main sections:

- Input:** 8 input fields (01-08) with dropdown menus. Field 01 is set to 'Mplayer', 02 to 'AppleTV', and 03 to 'Laptop'.
- Output:** 8 output fields (01-08) with dropdown menus. Field 01 is set to 'TV1' and 02 to 'TV2'.
- Scene:** 8 scene name fields (01-08) with dropdown menus.
- Control:** 8 control fields (01-08) with dropdown menus, all currently set to '0'.

 Each section has 'Submit' and 'Load' buttons at the bottom.

Config/EDID setting tab for users to select or setup the EDID for the specific inputs

The screenshot shows the 'Config' tab in the Matrix web interface, specifically for EDID selection. It is divided into three columns:

- Inputing EDID selection:** A dropdown menu for each of the 8 inputs, currently showing '4K7.1' for input 01.
- Inputing audio selection:** 8 dropdown menus for audio selection, all set to 'HDMI Audio'.
- Outputing Resolution:** 8 dropdown menus for resolution selection, all set to 'bypass config'.

 There are 'Submit' and 'Load' buttons at the bottom.

Setup interface for users to do the IP address, COM baud rate and buzzer settings:

The screenshot shows the 'Setup' tab in the Matrix web interface. It contains the following settings:

- IP Address:** 192.168.1.80
- Subnet Mask:** 255.255.255.0
- Default Gateway:** 192.168.1.1
- Baudrate:** 9600
- Buzzer:** Checked (indicated by a blue square).
- Language:** English (selected), Chinese (unselected).

 There are 'Submit', 'Load', and 'Reboot' buttons at the bottom.

Account interface for users to change the login user name and password:

The screenshot shows the 'Account' tab in the Matrix web interface. It includes:

- User Name:** Input field containing 'admin'.
- Password:** Input field with masked characters (dots).
- Confirm Password:** Input field with masked characters (dots).

 There are 'Submit' and 'Load' buttons at the bottom.

The 3rd Party Control command

IP address: 192.168.1.80 (default IP)

Protocol: TCP(5000), UDP(4000)

Hercules SETUP utility by HW-group.com

UDP Setup | Serial | **TCP Client** | TCP Server | UDP | Test Mode | About

Received/Sent data

```

Connecting to 192.168.1.80 ...
Connected to 192.168.1.80
1all.1all.2x2.1x1.3x3.2x2.1x1.3x3.
recall11.recall11.Recall11.Recall11.Recall12.Recall12.Recall19.Recall19.
    
```

TCP

Module IP: 192.168.1.80 | Port: 5000

Ping | Disconnect

TEA authorization

TEA key

1: 01020304 | 3: 090A0B0C
2: 05060708 | 4: 0D0E0F10

Authorization code:

PortStore test

NVT disable

Received test data

Redirect to UDP

Send

1all. HEX Send

2x2. 1x1. 3x3. HEX Send

Recall9. HEX Send

Hercules SETUP utility by HW-group.com

UDP Setup | Serial | TCP Client | **TCP Server** | UDP | Test Mode | About

Received data

```

UDP socket created
    
```

Sent data

```

reset. 1all. 2all.
    
```

UDP

Module IP: 192.168.1.80 | Port: 4000

Local port: 4023 | Close

Server settings

Server echo

Redirect to TCP Server

Redirect to TCP Client

UDP broadcast

File name: No file

Load file | Send

Send

1all. HEX Send

reset. HEX Send

2all. HEX Send

RS232

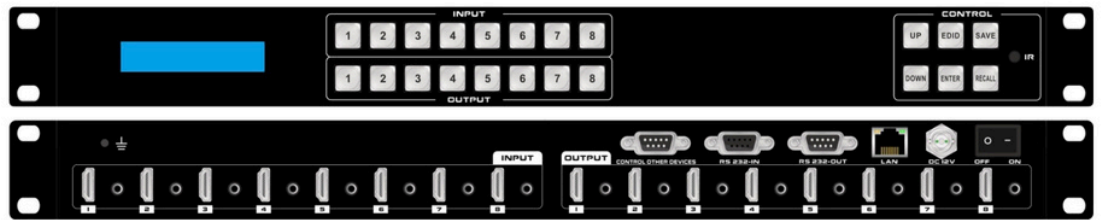
Baud rate: 9600, N, 8, 1

Use RS232 direct cable

Commands	Functional Description	Example
Yall	Switch input Y to all outputs	Switch 1 to all outputs: 1all.
YxY	Switch input Y to output Y	Switch input 2 to output 9:2x9.
YxY.YxY.YxY	Switch input Y to output Ys	Switch input 3 to output 2, 3, 4:3x2.3x3.3x4.
SaveY	Save to scene Y	Save to scene2: Save2.
Recall[y]	Recall the save scene Y	Recall to the scene 10: Recall10.
Reset	To reset account to admin/admin, IP address to default 192.168.1.80	

Package Content

- Hunter HDMI Matrix 8x8
- Remote Control
- Rack Ear



Warranty 1 Year



If your product does not work properly because of a defect in materials or workmanship, our Company (warrantor) will, for the length of the period indicated as 1 Years, which starts with the date of original purchase ("Limited Warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the "Labor" Limited Warranty period there will be no charge for labor.

During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.