

4X4 HDMI Seamless Matrix

USER MANUAL

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Video • Wall

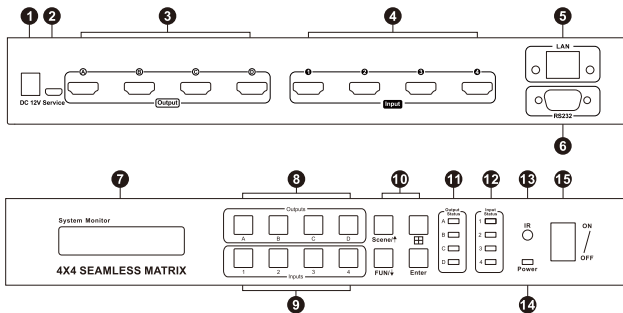
Features:

- HDCP1.4 compliant
- Supports resolution up to 4K@30Hz
- No latency, support seamless switching
- Each HDMI output can share same input or select standalone input
- Supports PCM, Dolby AC3, DTS5.1, DTS7.1 and DSD audio format
- Memorise matrix status after power down matrix, automatically restore previous matrix status after next power on
- Easy to control matrix via IR receiver, panel keypad and PC(via RS232 or LAN port)
- Support smart EDID analyzing, best compatible with most display devices


Packing List:

- 1*4X4 HDMI matrix
- 1*IR Remote control
- 1*DC12V Power adapter
- 2*Rack-ears
- 1*User manual

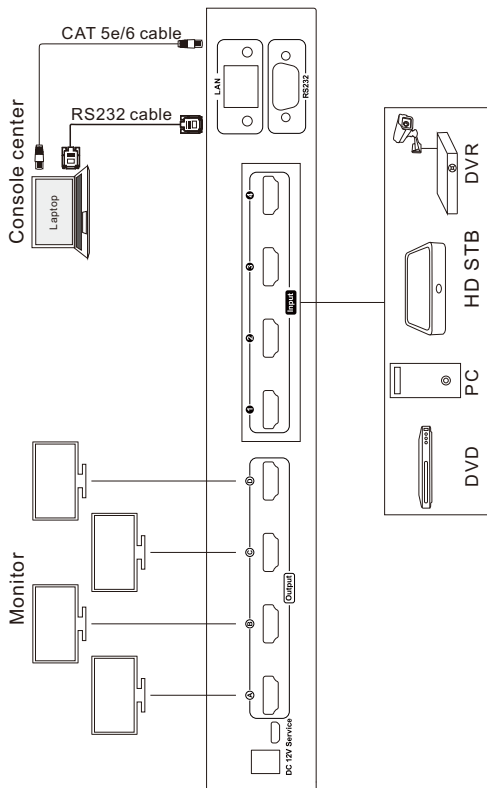
Panel Description:



ID	Name	Description
1	DC 12V	12V DC power supply
2	USB data port	Connected to USB port of PC for system upgrade
3	HDMI output	Connect to HDMI displays
4	HDMI input	Connect to HDMI source devices
5	LAN port	Connect to local area network, control matrix by TCP/IP commands
6	RS232	Connect to RS232 connector for serial control

ID	Name	Description
7	LCD display	Display current routing status and system setting
8	Input selection button	Select input port
9	Output selection button	Select output channel to control
10	Function select button	<p>Scene/↑: Save current routing as user preset and restore user's preset</p> <p>FUN/↓: (1)Fast setting N to N mirrored routing and N to all routing (2)Change LED time and buzzer status</p> <p>: Turn on/ off video wall mode</p> <p>Enter: Enter user's setting</p>
11	Output status	LED indicator of output connection status
12	Input status	LED indicator of input connection status
13	IR receiver	Receive IR remote signal
14	Power status	LED indicator of power supply
15	Power switch	Power on or off the matrix

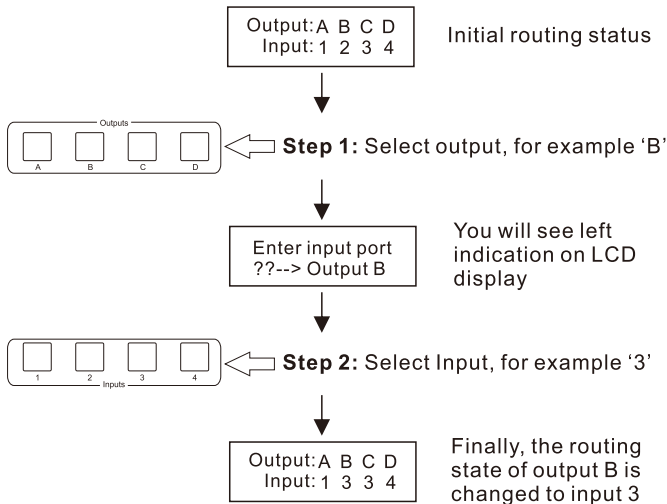
Connection Diagram:



Keypad Use:

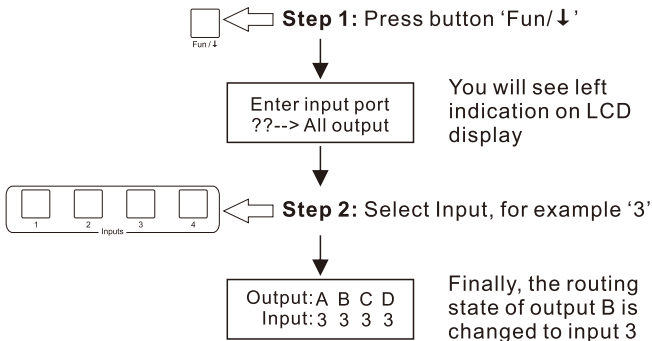
1. Selecting sources and outputs by keypad

(1) 1 to 1 switch

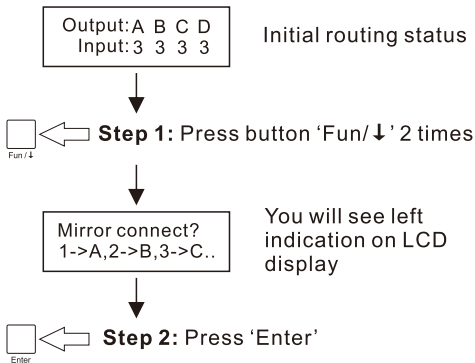


(2) 1 to all switch





(3) Switch to mirrored connection



Output: A B C D
Input: 1 2 3 4

Finally, the routing states of all outputs are changed to mirrored connection

2. Save preset routing status

Output: A B C D
Input: 2 2 3 4

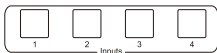
Initial routing status



Step 1: Press button 'Scene / ↑' 2 times

Save setting:
No: ??

You will see left indication on LCD display



Step 2: Select numbers, for example '1', then current routing status is saved to 1

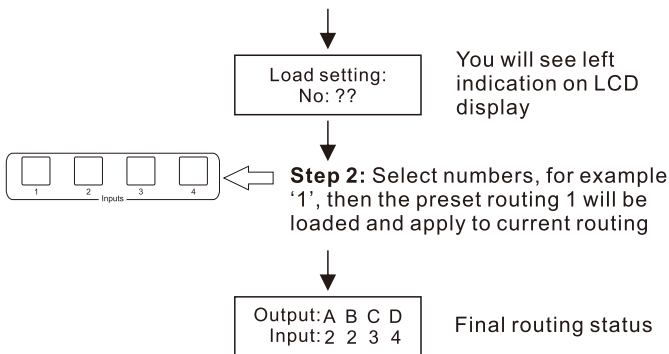
3. Load preset routing status

Output: A B C D
Input: 1 2 3 4

Initial routing status

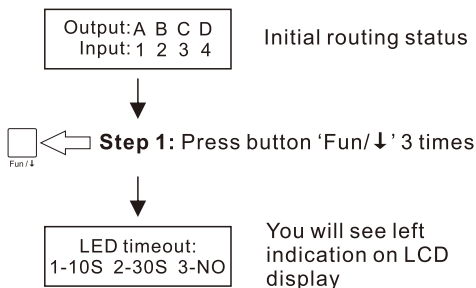


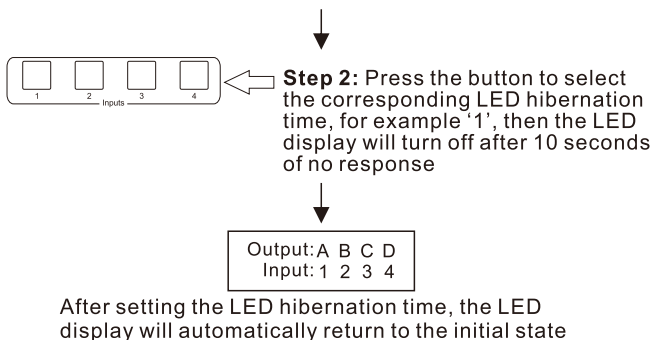
Step 1: Press button 'Scene / ↑'



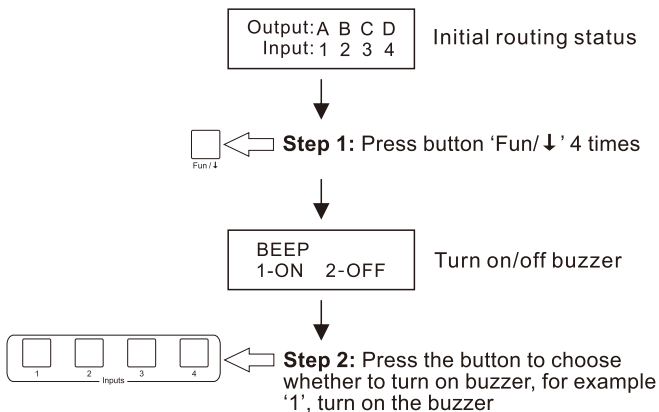
4.Change LED timeout

The LED indicators on front panel, including back light of the LCD display, can be turn off after seconds of inactivity. Below is how to change the settings:





5. Mute/unmute buzzer

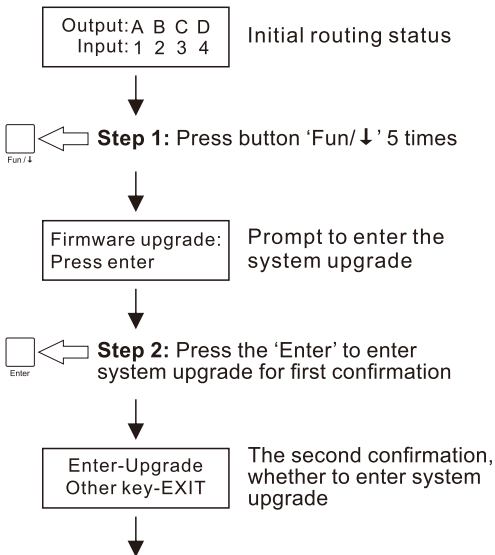




Output: A B C D
Input: 1 2 3 4

Completing the setting, the LED display will automatically return to the initial state

6. System upgrade



 ← **Step 3:** Press the 'Enter' to enter system upgrade

The IAP upgrade.

The matrix is in an upgrade state

Step 4: Connect the USB cable to the 'service' port and upgrade with the system upgrade software. After completing the upgrade. Unplug the USB cable, disconnect it and restart it for normal use.

(**Note:** For the software to upgrade, please get in touch with our sales in time)

7. Turn on/off video wall mode

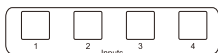
Output: A B C D
Input: 1 2 3 4

Initial routing status

 ← **Step 1:** Press button '  ' to enter video wall mode

VIDEO WALL
Input: 1

Enter video wall mode, select input 1 by default







Step 2: Press the button to select input source, for example '3', input 3 will be output to 4 displays in 2X2 video stitching







Step 3: Press the '  ' again to turn off video wall mode


IR Remote Control:

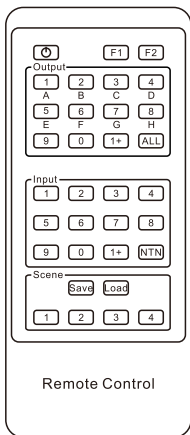
(1) 1 to 1 switch:

Step 1: Press  /  /  /  in output block to select one of the output port you are going to control

Step 2: Press  /  /  /  in input block to select input source which you want to be displayed on selected output

(2) Switch to mirrored connection:

Press  , then the routing status will be changed to Input 1 - Output A, Input 2 - Output B, Input 3 - Output C, Input 4 - Output D



(3) 1 to all switch:

Press **ALL**, then press **1/2/3/4** in input block to select input source which you want to be displayed on all output

(4) Preset routing for scenes:

Press **Save**, then press **1/2/3/4** in scene block, save current routing status to user preset memory 1/2/3/4.

Press **Load**, then press **1/2/3/4** in scene block, load routing status from user preset memory 1/2/3/4 and apply to current routing.

- Note:**
1. For the safety request by some express company, the remote control is not equipped battery by default. Please install the button battery CR2025 before using it.
 2. Unspecified buttons at above are non-functional.

Warranty Information :

We warrant this product as free of defects in material and workmanship for a period of one (1) year from the date of shipment.

If during the period of warranty this product proves defective under normal use, we will repair or replace this product, provided that this product has not been subjected to mechanical, electrical, or other abuse or modifications. If it fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for six (6) months from the day of reshipment to the buyer.