

Hunter 4K HDMI 4x4 Matrix with Audio, IR & RS232

9494-HUC-M44A-4KV2.0

User Manual

www.hunterbharat.com



Product Introduction

Hunter HDMI matrix 4x4 can connect 4 HD signal sources to 4 HD display terminals with optical fiber and stereo headphone output at the same time via HDMI out 1 port. The matrix allows four HDMI devices to be switched or split easily to four HDMI compatible monitors or projectors.

Hunter HDMI matrix support lossless transmitting and are widely used in space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

Features

- Very compact structure
- Stable and reliable
- Via HDMI out1, support 3.5mm earphone jack and optical output at same time
- Economical and cost-effective
- Support 3D
- Support IR Remote Control
- Support RS232 Control
- The four outputs could show the same or different source simultaneously.

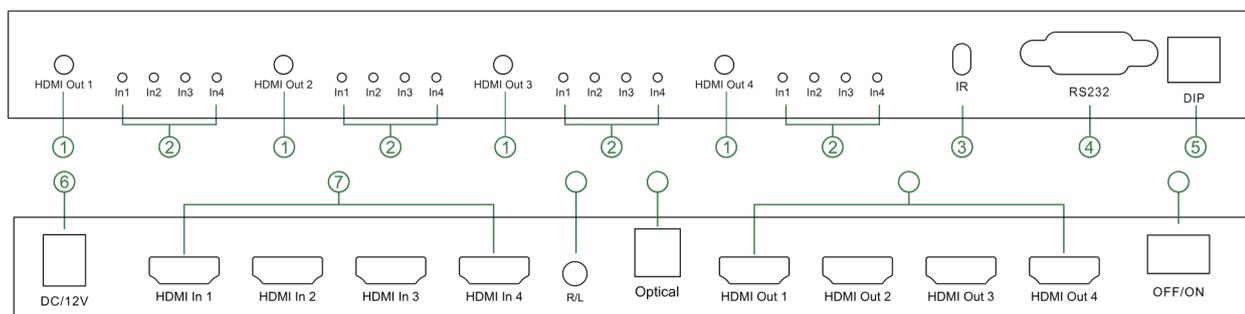


Specifications

HDMI resolution
Support video format
Support audio format
Max baud rate
Input cable distance
Output cable distance
HDMI Input
HDMI Output
Max working current
Power adapter format
Operating Temperature range
Operating Humidity range
Dimension (L x W x H)
Weight

up to 4K/60Hz
8/10/12 bit deep color
DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
18Gbps
4K/30Hz ≤15M AWG26 HDMI standard cable 4K/60Hz ≤5M HDMI 2.0 standard cable
4K/30Hz ≤15M AWG26 HDMI standard cable 4K/60Hz ≤5M HDMI 2.0 standard cable
4
4
0.8A
Input: AC (50HZ, 60HZ) 100V-240V; Output: DC12V/1A
(-15 to +45°C)
5 to 90%RH (No Condensation)
276x143x26 (mm)
720g

Function Interface Figure:



- 1: HDMI Out1-4 - Output selection
- 2: In1-4 - Input LED indicator for each output selection
- 3: IR - IR port
- 4: RS232 - RS232 port
- 5: DIP - EDID
- 6: DC/12V - DC/12V power port
- 7: HDMI In1-4 - HDMI Input 1-4 port
- 8: R/L - 3.5MM headphone interface
- 9: Optical - Optical port
- 10: HDMI Out1-4 - HDMI Output 1-4 port
- 11: OFF/ON - Power switch



EDID Settings



Noted: the dial switch to dial downward is 1, dial upward is 0.

Position1	Position2	Position 3	Position 4	Function
0	0	0	0	Copy EDID from Output1
0	0	0	1	3D 4K 60HZ 7.1CH
0	0	1	0	3D 4K 30HZ 2CH
0	0	1	1	3D 4K 30HZ 7.1CH
0	1	0	0	2D 1080P stereo 2CH
0	1	0	1	2D 1080P 7.1 CH
0	1	1	0	3D 1080P stereo 2CH
0	1	1	1	2D 1080P DVI

Remote Control Settings



- ① Switch to one specific Input port
- ② Return to last Input port
- ③ Move forward one Input port
- ④ Output port

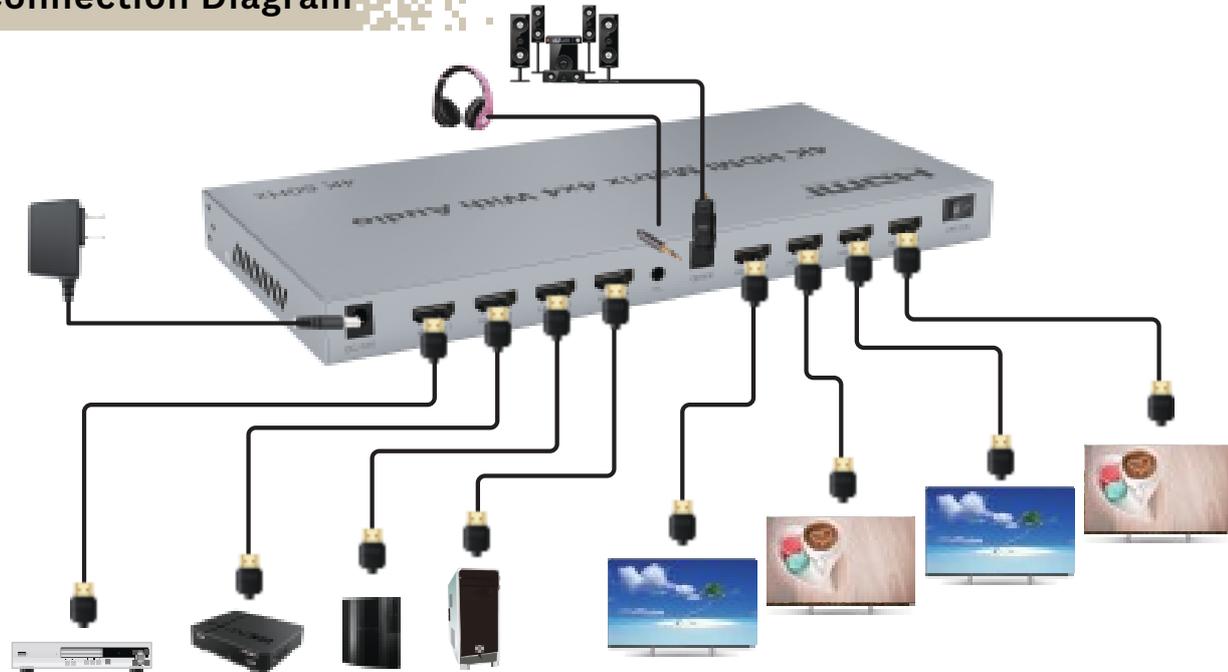
4x4 matrix supports IR control and there are four sets of control button to use to switch & control the four Output ports; ②、③ are used to move back or forward one Input port; ① is used to directly switch to one Input port.



Control Settings

Baud rate			115200
data bit			8
even-odd check			None
stop bit			1
redundant check			None
command	HEX	Feedback	Description
cir 1e\r\n	63 69 72 20 31 65 0D 0A	s1x\r\n "x"range of the values 0~3	output 1 select the input port plus 1
cir 1d\r\n	63 69 72 20 31 64 0D 0A	s1x\r\n "x"range of the values 0~3	output 1 selecst the input port minus 1
cir 00\r\n	63 69 72 20 30 30 0D 0A	s10\r\n	output 1 select input 1
cir 01\r\n	63 69 72 20 30 31 0D 0A	s11\r\n	output 1 select input 2
cir 02\r\n	63 69 72 20 30 32 0D 0A	s12\r\n	output 1 select input 3
cir 03\r\n	63 69 72 20 30 33 0D 0A	s13\r\n	output 1 select input 4
cir 06\r\n	63 69 72 20 30 36 0D 0A	s2x\r\n "x"range of the values 0~3	output 2 select the input port plus 1
cir 05\r\n	63 69 72 20 30 35 0D 0A	s2x\r\n "x"range of the values 0~3	output 2 selecst the input port minus 1
cir 08\r\n	63 69 72 20 30 38 0D 0A	s20\r\n	output 2 select input 1
cir 09\r\n	63 69 72 20 30 39 0D 0A	s21\r\n	output 2 select input 2
cir 0a\r\n	63 69 72 20 30 61 0D 0A	s22\r\n	output 2 select input 3
cir 0b\r\n	63 69 72 20 30 62 0D 0A	s23\r\n	output 2 select input 4
cir 0e\r\n	63 69 72 20 30 65 0D 0A	s3x\r\n "x"range of the values 0~3	output 3 select the input port plus 1
cir 0d\r\n	63 69 72 20 30 64 0D 0A	s3x\r\n "x"range of the values 0~3	output 3 selecst the input port minus 1
cir 10\r\n	63 69 72 20 31 30 0D 0A	s30\r\n	output 3 select input 1
cir 11\r\n	63 69 72 20 31 31 0D 0A	s31\r\n	output 3 select input 2
cir 12\r\n	63 69 72 20 31 32 0D 0A	s32\r\n	output 3 select input 3
cir 13\r\n	63 69 72 20 31 33 0D 0A	s33\r\n	output 3 select input 4
cir 16\r\n	63 69 72 20 31 36 0D 0A	s43x\r\n "x"range of the values 0~3	output 4 select the input port plus 1
cir 15\r\n	63 69 72 20 31 35 0D 0A	s4x\r\n "x"range of the values 0~3	output 4 selecst the input port minus 1
cir 18\r\n	63 69 72 20 31 38 0D 0A	s40\r\n	output 4 select input 1
cir 19\r\n	63 69 72 20 31 39 0D 0A	s41\r\n	output 4 select input 2
cir 1a\r\n	63 69 72 20 31 61 0D 0A	s42\r\n	output 4 select input 3
cir 1b\r\n	63 69 72 20 31 62 0D 0A	s43\r\n	output 4 select input 4

Connection Diagram



Operating and Connecting

1. Connect each HDMI source devices and input of HDMI Matrix with HDMI cable.
2. Connect display devices and output of HDMI Matrix with HDMI cable.
3. Connect the audio output to the stereo amplifier via stereo headphones or optical fiber.
4. Connect 12V power supply to the HDMI 4x4 Matrix.
5. Use the IR remote or button control to switch the signal source freely.

NOTE: HDMI port and audio ports are connected according to user needs, not every be connected; but not reversed.

Notes

Pls use the machine as the instruction listed to keep the long use lifetime of the machine.

1. The machine should be placed at the spot far from the Damp, High-Temperature, Dusty, Erosive, and oxidative environment.
2. All parts will be free from the strong shake, hit, fall.
3. Touching the power adaptor with the wet hands is prohibited
4. Pls hold the power adaptor head and do not pull the power cord when cut off from the socket.
5. Pls turn the power off when the machine is not used for long time.
6. Pls do not open the cover and do not touch the inside parts
7. Pls use the original factory power adptor.

Before power on, pls check the connection line carefully. And make sure that all interfaces are normally connected. The common trouble shooting way shows below:

Trouble Description	Cause and Ways to deal with
Non-Power-Connected	1. Check if the power adaptor head is truly and correctly inserted the power socket.
	2. Check the power switch if it is in on status.
No Picture	1. Pls make sure that the TV is on and has been connected with the machine.
	2. Check if the signal source is on and well connected.
	3. Check the system connection quality.
	4. Check if the line is all good quality.
	5. Check the cable quality
Obscure Picture	1. To try again to connect the cable to be free from the unsuccessful connection.
	2. HDMI Cable Quality



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.