



USER MANUAL

8 Ports HDMI eARC Splitter

Enjoy the vivid world

Before using the product, please read this manual carefully and keep it properly.

Date of publication: 2024-06-15

Introduction:

This product supports eARC splitter 1x8 and HDMI switcher 8x1 two application scenarios.

- 1) When used as an eARC splitter 1x8, the eARC signal of the TV can be assigned to 8 amplifiers or sound bars through this splitter, which can support 8 amplifiers or sound bars to sound at the same time.
- 2) When used as a HDMI switcher 8 x1, it can send any of the 8 HDMI signals to the display terminal ,and the eARC signal can be assigned to the amplifier or sound bar through the HDMI input port,sounds through the power amplifier or sound bar,it supports hd formats including 4K/60Hz, 4K/30Hz, 1080P, 1080I, 720P.



Features:

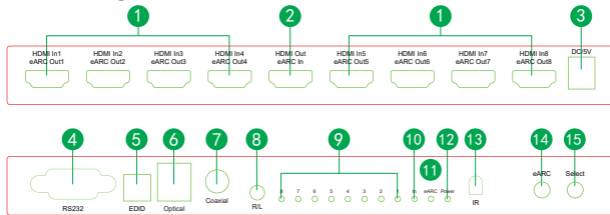
- * Support HDCP2.2,HDR10;
- * Support 4K@60Hz;
- * Support signal switching, audio return signal distribution;
- * Support 3D video format;
- * Support ARC/eARC function(power amplifier, sound bar etc.);
- * Support eARC splitter function, can return eARC/ARC signal to 8 amplifiers or Sound bar;
- * Support audio return only through HDMI signal source not through the display device;
- * Support 3.5 stereo, coaxial, fiber audio output.
- * Support for devices such as Blu-ray DVD input, HDMI audio conversion to ARC/eARC output, HDMI video output through HDMI OUT output;

Specifications:

HDMI resolution 4K@60Hz/4K@30Hz/1080P/1080I/720P
Support video format 24/30/36 bit deep color
Support audio format DTS-HD/Dolby-trueHD/DTS/Dolby-AC3/DSD

Maximum bandwidth	600MHz
Max baud rate	6Gbps
Input cable distance	≤8m AWG26 HDMI standard cable(4K/30Hz); ≤3m 2.0 HDMI Standard cable(4K/60Hz)
Output cable distance	≤8m AWG26 HDMI standard cable(4K/30Hz); ≤5m 2.0 HDMI Standard cable(4K/60Hz)
Max working current	2.2A
Power adapter format	Input: AC (50HZ, 60HZ) 100V-240V; Output: DC5V/3A
Operating Temperature range	(-15 to +55 ℃)
Operating Humidity range	5 to 90%RH (No Condensation)
Dimension (L x W x H)	226x110x25 (mm)
Weight	512g

Interface diagram:



- | | |
|--|---|
| 1: HDMI In/eARC Out1-8 --- HDMI input interface/eARC output; | 8: R/L --- Stereo output interface; |
| 2: HDMI Out/eARC In --- HDMI output interface/eARC input; | 9: In8-In1 --- Signal source indicator light; |
| 3: DC/5V --- 5V power interface; | 10: In --- TV connected signal light; |
| 4: RS232 --- RS232 interface; | 11: EARC --- EARC indicator light; |
| 5: EDID --- EDID switch button; | 12: Power --- Power indicator light; |
| 6: Optical --- Fiber optic audio interface; | 13: IR --- IR receive; |
| 7: Coaxial --- Coaxial audio interface; | 14: EARC --- EARC ON/OFF button; |
| | 15: Select --- Signal source select button; |

In the HDMI switch 8X1 application scenario, when the TV is silent, you can select the internal speaker of TV through TV terminal (different TV selection menu operation is different), or by long press the eARC button 5 seconds, the TV will be black screen, then the speaker inside the TV makes a sound.

DIP EDID Switch Description:

Note:

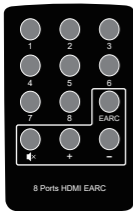
The DIP switch is 1 in the downward direction and 0 in the upward direction.

1	2	3	Function
0	0	0	Copy HDMI output EDID
0	0	1	upgrading mode
0	1	0	4K 60Hz 5.1channel 2D
1	0	0	4K 60Hz 7.1channel 2D
1	1	0	1080P 60Hz 2channel 2D

In the eARC switcher 1X8 application scenario, the dip switch is invalid, and the audio track is selected on the TV terminal. By default, copy the EDID of sound bar that connect with HDMI In1, when HDMI In 1 doesn't connect with sound bar, eARC (TV terminal) will return the highest audio format by default, such as: 7.1 channel, support audio source passthrough function.

In the HDMI switch 8X1 application scenario, when the DIP switch is 7.1 channel, the eARC sound bar or eARC power amplifier must be connected to any port from HDMI In1 to HDMI In8. 7.1 Audio outputs eARC audio to the eARC sound bar or eARC power amplifier through HDMI In1-HDMI In8.

Remote Control Description:



1-8: Signal source selection button.

EARC: Turn on/off EARC.

When turned on, the EARC light on, and returns the audio of the TV.

When turned off, the EARC light off. Then returns the audio on the corresponding 1-8 port which being selected.

🔊 + -: Control the volume of the eARC audio.

(Control the power amplifier or the sound bars ARC/eARC)

Package include:

- | | |
|-------------------------------|-----|
| 1. 8 Ports HDMI eARC Switcher | 1PC |
| 2. IR Remote Control | 1PC |
| 3. 5V power adapter | 1PC |
| 4. User Manual | 1PC |

Application diagram:

HDMI 8x1 Switcher



Connection and Operation:

1. Connect each HDMI signal source to the switcher input via the HDMI cable.
2. Connect the switcher output to the HDMI display device via the HDMI cable.
3. Connect the audio via a fiber/coaxial cable.
4. Connect the product to the 5V power adapter.
5. Switch the signal freely by remote control or button.
6. Connect Sound bar or amplifier to eARC out through HDMI cable, such as HDMI input signal can be output to Sound bar or amplifier through eARC out to make Sound bar or amplifier sound.

Application diagram:

eARC 1x8 Splitter



Connection and Operation:

1. Connect the eARC TV terminal to the eARC Switcher input via an HDMI cable (HDMI OUT interface).
2. Connect the eARC Switcher output (HDMI IN interface) to the sound bar eARC(ARC) or power amplifier eARC(ARC) via an HDMI cable.
3. Connect the audio via a fiber/coaxial (if it is 7.1 channel, optical, coaxial headphones are silent, please do not connect).
4. Connect the product to a 5V power adapter.
5. Turn on the eARC function through the remote control or key, the eARC function will be lighted up.