



# USER MANUAL

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## 2 Ports HDMI eARC Bidirection Splitter/Switcher

**Enjoy the vivid world**

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

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## Introduction:

This product supports eARC splitter 1x2, eARC switcher 2x1, and HDMI switcher 2x1 three application scenarios.

1. When used as an eARC splitter 1x2, the eARC signal of the TV can be assigned to 2 amplifiers or sound bars through this splitter, which can support 4 amplifiers or sound bars to sound at the same time.
2. When used as an eARC switcher 2x1, the eARC signal of the TV can be assigned to 2 amplifiers or sound bars through this switcher, which can support 4 amplifiers or sound bars to sound separately (2 chose 1).
3. When used as a HDMI switcher 2 x1, it can send any of the 2 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 amplifier or sound bar, it supports HD formats including 4K/60Hz, 4K/30Hz, 1080p, 1080i, 720p.
4. eARC switcher and eARC splitter can be chosen by the fourth DIP EDID.  
In the downward direction was splitter, in the upward direction was switcher.



## Features:

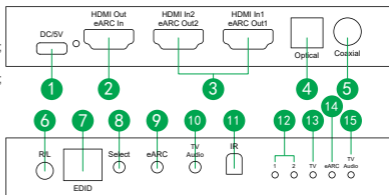
- \* Support HDCP2.2,HDR10;
- \* Support 4K@60Hz;
- \* Support signal switching, audio return signal distribution;
- \* Support 3D video format (Only when copy TV EDID has);
- \* Support ARC/eARC function(power amplifier, sound bar etc.);
- \* Support eARC splitter function, can return eARC/ARC signal to 2 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 .....	0.6A
Power adapter format .....	Input: AC (50HZ, 60HZ) 100V-240V; Output: DC5V/1A
Operating Temperature range .....	(-15 to +55 ℃)
Operating Humidity range .....	5 to 90%RH (No Condensation)
Dimension (L x W x H) .....	122x55x19 (mm)
Weight .....	125g

## Interface diagram:

- 1: DC/5V --- 5V power interface;
- 2: HDMI Out/eARC In  
--- HDMI output interface/eARC input;
- 3: HDMI In/eARC Out 2-1  
--- HDMI input interface/eARC output;
- 4: Optical --- Optical audio interface;
- 5: Coaxial --- Coaxial audio interface;
- 6: R/L --- Stereo output interface;
- 7: EDID --- EDID switch button;
- 8: Select --- Signal source select button;
- 9: eARC --- eARC ON/OFF button;
- 10: TV Audio --- TV audio switch;
- 11: IR --- IR receive;
- 12: 1-2 --- Signal source indicator light;
- 13: TV --- TV connect indicator light;
- 14: eARC --- eARC indicator light;
- 15: TV Audio --- when TV audio open, indicator light is on, close is off;



## DIP EDID Switch Description:

Note:

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

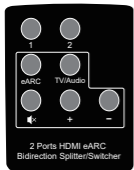
4 DIP EDID: 0 was switcher, 1 was splitter.

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 2x1 and eARC splitter 1x2 application scenarios, 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 2X1 application scenario, when the DIP switch is 7.1 channel, the eARC sound bar or eARC amplifier must be connected to any port from HDMI In1 to HDMI In2. 7.1 Audio output eARC audio to the eARC sound bar or eARC amplifier through HDMI In1-HDMI In2.

## Remote Control Description:



1-2: 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 1-2 port which being selected.

TV/Audio: TV audio on/off.

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

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

## Package include:

- |  |     |
|--|-----|
| 1. 2 Ports HDMI eARC Bidirection Splitter/Switcher | 1PC |
| 2. IR Remote Control                               | 1PC |
| 3. Type-C power adapter                            | 1PC |
| 4. User Manual                                     | 1PC |

## Application diagram: HDMI 2x1 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 1x2 Splitter/Switcher



## 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.
6. Select the eARC switch or eARC splitter by press 4 DIP EDID switch.