

3-Port 3x1 HDMI2.0b Switch 4K@60HZ

User's Manual



HDCP2.2 FC CE

HDMI 2.0b Switcher 3x1 with Audio Extractor Support 4K@60Hz RGB8:8:8; HDCP 2.2
Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting product. Please keep this manual for future reference.

1.0 INTRODUCTION

This is a high performance 3 HDMI input and 1 HDMI output switcher. Toslink output support ARC audio return control function, 3.5mm Jack output support audio extract function. The system supports all 3D TV formats, and all HDTV formats (up to 4Kx2K @ 60Hz RGB8:8:8). Furthermore, the remote gives users complete control over the selection of sources and makes the device incredibly user friendly.

2.0 FEATURES

1. There are 3 ports HDMI input, 1 port HDMI output Toslink SPDIF output, L/R output, 3.5mm Audio output.
2. L/R and Toslink SPDIF port output support ARC function (Audio Return Function)
3. 3.5mm Jack port output support audio extract function, it does not support ARC
4. Support 480i/480p/576i/576p/720p/1080p/50/60Hz/4Kx2K/30/60Hz with 24bit RGB/ YcbCR8:8:8/YcbCR 4:4:4 (4k@60Hz YUV4:4:4).
5. Max. bandwidth per channel: 600MHz. Max. baud rate per display: 18.5Gbps
6. Compliant with HDMI2.0b, HDCP 2.2/1.3/1.2/1.1/1.4
7. Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
8. Supports smart auto switch function
9. Supports IR and Panel button control
10. Supports Dolby True-HD, DTS-HD, AC3, DTS, DSD. This HDMI Switch will output the Dolby True-HD, DTS-HD, AC3, DTS, DSD audio format, but can't decode these audio formats. If your Amplifier or soundbar can't support these audio formats, there will no audio on your soundbar or amplifier, so please set audio format on HDMI Source to PCM/ LPCM audio format.
11. HDMI Audio Extractor Optical TOSLINK SPDIF + L/R +3.5mm audio out allow you extract the sound from the HDMI input source (like PS4, Xbox one etc.) to your soundbar or amplifier no need connecting TV or Monitor

12. ARC Function-Extract the Audio from TV to Soundbar or Amplifier. Connect your TV HDMI(ARC) Port to this switch HDMI Output Port with HDMI Cable, then optical cable to the soundbar, speaker, home theater, A/V receivers etc.
13. Compatible with any HDMI device such as PS4 / Roku / Fire TV/ Blu-ray players/ HD TV/ HD Projector etc,
14. Support 24/30/36 bit deep color per channel (Kindly Note: It is not compatible with DVI. It is not recommended that you use HDMI to DVI cable connect to your projector /monitor)
15. Support HDR 4K HDR10
16. Wide Applicability: Compatible with any HDMI devices such as Nintendo Switch, PS4 Pro, Xbox 360, Xbox One X, PS3, Beamer, DVB Receivers, Blu-ray Player, Apple TV 4, Laptop and HDTV/HD Monitor etc.
17. If you want to achieve 4K@60Hz resolution we recommend up to 5 meters of HDMI AWG26 2.0 cable, if you want to achieve 1080p@60Hz resolution we recommend up to 8 meters of HDMI AWG26 2.0 cable.

ARC Function



※ When Use ARC function, Please set the Audio at TV Mode

3.0 PACKAGE

- 1. 5V/1A DC Power adapter.....1pc
- 2. Remote controller.....1pc
- 3. User manual.....1pc
- 4. 3X1 HDMI 2.0b Switch.....1pc

4.0 SPECIFICATIONS

- Input ports.....3X HDMI
- Output port.....1X HDMI (Female type)
- 1X L/R Audio output.....support audio return function
- 1X Toslink Audio output.....support audio return function
- 1X 3.5mm Jack output.....support audio extract function
- Audio support.....LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
- Video Resolution.....up to 4Kx2K/30Hz/4k@60Hz RGB8:8:8
- 3D Format support.....Up to 1080P/60Hz
- Operating Temperature.....0°C to 40°C/32°F to 104°F
- Storage Temperature.....-20°C to 60°C/-4°F to 104°F
- ESD Protection.....Human Body Model: ±8kv (air-gap discharge) ±4kv (contact charge)
- Dimensions.....120x53x22MM
- Weight.....275g



5.0 CONNECTION DIAGRAM



Notes:

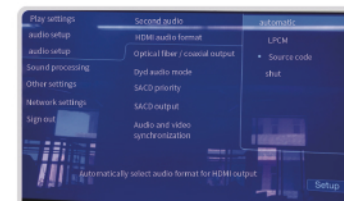
1. ARC: First, Please make sure your display support ARC function. Second, Using HDMI cable plug into HDMI ARC port on your display and the other side plug into the HDMI output on the switch. (warm tip: 3.5mm audio does not support ARC function)
2. Requirements of HDMI cable:
26AW (19+1PIN) HDMI 2.0b cable, input up to 5m(max), output up to 5m(max);
28AW (19+1PIN) HDMI 2.0b cable, input up to 3m(max), output up to 3m(max).
3. You should operate it properly when the switch is working. If you find the switch is not working, we suggest you unplug the power supply and plug it again.
4. When turn on the switch, by default, the input 1 led indicator will light on at the start when disconnect HDMI source.
5. It supports L/R Audio cable and optical cable up to 10 meters(max), if you choose optical audio out or L/R Audio out, you can enjoy 5.1CH or 2CH or audio copy. If you choose 3.5mm audio out, you can enjoy 2CH or audio copy.
6. Maximum remote control distance is 8meters, (warm tip: to better control, we suggest you point at IR light of the switch, and press it. Wait 2 seconds each time before next time, please press it properly) You will be going to realize that the display will be black screen about 5seconds to change next source. This is normal, please don't worry.
7. When using a set-top box, it is recommended to set the audio mode to "Best Available".

※HDMI audio splitter ARC working requirements

- 1 The HDMI ARC output port of the product must be connected to the HDMI ARC input port of the display device (Like TV, projector) and please ensure that HDMI ARC is turned on successfully. (Note that there is no sound from the display device (TV or projector) after the normal connection is started, and the remote control cannot adjust the sound level)
- 2 ARC must be set to TV before the audio channel is turned on. If you want to get 5.1 audio, please set to 5.1 channel. If there is no audio output, it means that the ARC of the display device (TV or projector) does not support 5.1 audio output.

※How to Get the 5.1ch Audio

When you use the HDMI Audio Extract Function and Can not get 5.1CH Audio, First, Switch the Audio Output Format to 5.1ch mode or TV Mode by the 2.0ch/5.1ch/ TV mode Switch on the product
If you set at 5.1ch mode or TV mode also get no audio, Please check your HDMI input source and set it at right audio input format.



※Automatic reset function

When you want to reset the product, Please keep pressing the Switch button for more than 5 Seconds After all Led flash for one time, the product will reset