

User Manual

HDMI 4x1 Switch & Audio Extractor



HDMI 2.0 HDCP 2.2

Purchasing

Thank you for purchasing our HDMI 4x1 Switch & Audio Extractor. For optimum performance and safety, please read the instructions carefully before usage.

4 Port HDMI Switch & Audio Extractor OPTICAL/RCA stereo outputs with Ultra HD 4K ARC EDID setting allows you to connect four HDMI input to one HDMI output. It also allows you to 5.1 channel digital surround sound on the optical digital output or 2.0 channel PCM audio on the RCA stereo output.

Packaging content

- ◆ HDMI 4x1 Switch & Audio Extractor x1
- ◆ Power Adapter x1
- ◆ Remote Control x1
- ◆ User Manual x1

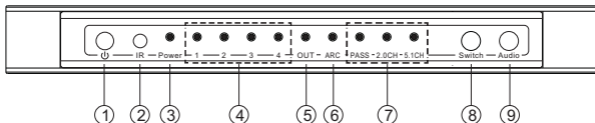
Features

- ◆ Input: HDMI x 4.
- ◆ Output: HDMI x 1, OPTICAL x 1, Stereo RCA x 1.
- ◆ Supports Ultra HD 4Kx2K@60Hz.
- ◆ Supports Full HD.
- ◆ Supports 3D.
- ◆ Supports HDMI 2.0, HDCP 2.2.
- ◆ Supports 12-bit Deep Color per channel, maximum 36-bit all channels.
- ◆ Supports 6.0Gbps TMDS/600MHz pixel clock rate per channel, maximum total TMDS through outputs 18Gbps.
- ◆ Supports uncompressed audio such as LPCM.
- ◆ Supports compressed audio such as DTS Digital, Dolby Digital, DTS-HD, and Dolby TrueHD.
- ◆ Supports HDMI pass-through.
- ◆ Supports up to 5.1CH digital surround on OPTICAL output.
- ◆ Supports up to 2.0 channel analog stereo on Stereo output.
- ◆ Supports Standard Audio, DSD Audio, and HD(HBR) Audio.
- ◆ Supports ARC(Audio Return Channel).

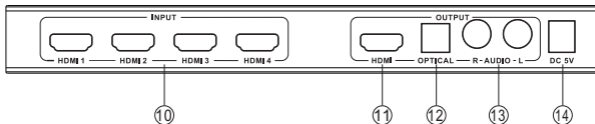
Specifications

Video and Audio	
HDMI resolution	4Kx2K@24/25/30/60fps@60Hz, 3D(1080P @24/60/120Hz), 1080P/1080i/720P/576P/576i/480P/480i@24/30/50/60fps@120Hz
HDMI version	HDMI2.0, HDCP2.2
Support video color format	36-bit Deep Color all channels maximum
Audio output	HDMI pass-through up to 7.1CH OPTICAL output up to 5.1 ch RCA L/R output stereo audio
Max bandwidth per channel	600MHz
Max baud rate per display	18Gbps
Input/Output TMDS signal	0.5~1.5V p-p(TTL)
Input/Output DDC signal	5V p-p(TTL)
Input cable distance	≤5m 24 AWG HDMI high speed Cable at 4Kx2K@60Hz
Output cable distance	≤8m 24 AWG HDMI high speed Cable at 4Kx2K@60Hz
Environmental	
Operating Temperature range	5°F to 131°F / -15°C to 55°C
Operating Humidity range	5% to 90% RH(No Condensation)
Mechanical	
Dimension(LxWxH)	218x106x28mm
Weight	318g
Power Requirement	
Max working current	1A
External Power Supply	Input: AC(50/60Hz) 100V-240V Output: DC5V/2A

Product Diagram



1. Power Button
2. Infrared Red Sensor for Remote Control
3. Power LED
4. HDMI Input LED Indicators
5. HDMI Output LED Indicators
6. Audio Return Channel(ARC) LED Indicator
7. HDMI Pass-through/2.0CH/5.1CH Audio Channel LED Indicators
8. HDMI Input Select Button
9. Audio Channel Select Button



10. HDMI Input Ports
11. HDMI Output Port
12. Optical Digital Audio Outptu Port
13. L/R Analog Stereo Audio Output Port
14. Power Input Port

Remote Control

1. Power: Turns on/off the switch.
2. HDMI Input Source Selector: Select an input source.
3. Audio Output Selector: Defaults to HDMI pass-through.

Press ARC button to Switch ARC ON /OFF.

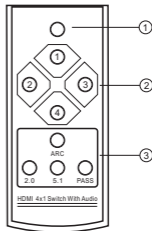
ARC: Enable or disable Audio Return Channel.

Press 2.0, 5.1, PASS button to switch audio mode.

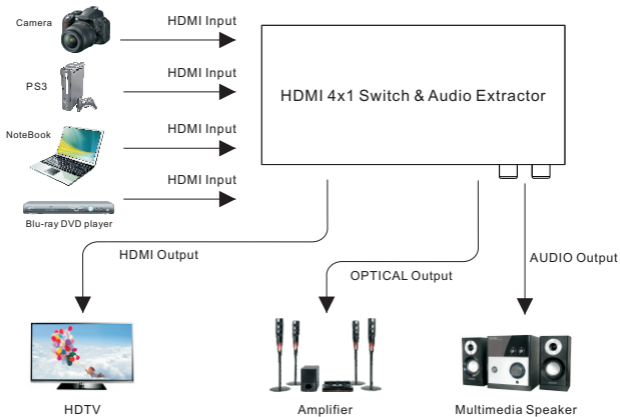
PASS: Let the switch decide the best audio output mode.

2.0: Sets audio output mode to 2.0 channel.

5.1: Sets audio output mode to 5.1 channel.



Connecting And Operating



How to Connect

1. Use a HDMI cable to connect a HD source to the HDMI Input Port.
2. Use a HDMI cable to connect a HD display to the HDMI Output Port.
3. For audio connection, choose one from the following options.
 - a. To use HDMI pass-through, use the HDMI cable from step 2 to connect audio receiver to the HDMI Output Port. Your audio receiver will have to output video signal to your HD display.
 - b. To use Optical, use a Optical cable to connect to audio equipment. (Note: Optical does not support Dolby Digital plus please change the input source's audio output to a different setting, if needed.)
 - c. To use R/L, use a R/L cable to connect a stereo audio equipment.
4. Connect the power adapter.
5. **Note:** If using Optical cable, please make sure the rubber protective tip cover has already been removed from both ends before connecting them to devices.

Installation and Safety Precautions

- Cables must be placed well, where it would not be stepped on or pinched. Make sure cables are fully inserted into ports.
- To provide sufficient ventilation during use, make sure there is at least 1 inch of clearance on each side of the device (except the side where it rests on a flat surface).
- Do not set up this product adjacent to a water source or an environment that has excessive moisture.
- Do not operate the product when hands are wet.
- Place this product on a flat surface and keep it out of reach of children.
- Turn off the product when it is not in used for an extended period of time.
- Do not attempt to dismantle the product on your own.
- Please use the included power adapter.

Troubleshooting

Issue	Possible Solution
No Power	<ol style="list-style-type: none">1. Check if the power adapter is connected properly.2. Check the power switch if it is turned on.
No Video or Bad Quality Video	<ol style="list-style-type: none">1. Check if the display is on.2. Check if the input source is on.3. Check all cables and make sure they are fully seated into ports.4. Try changing to a different known good cable.
No Audio or Bad Quality Audio	<ol style="list-style-type: none">1. Check if the audio equipment is on.2. Check if the input source is on.3. Check if input source's audio output setting is setup correctly. Please refer to your input source's user manual on how to change this setting.4. If using Toslink cable, please make sure the rubber protective tip cover has already been removed.5. Check all cables and make sure they are fully seated into ports.6. Try changing to a different known good cable.

Recycling the Product

To dispose this product properly, please follow the recycling process regulated in your area.