

User Manual



ROLINE HDMI Splitter 1x2, 8K60Hz

14.01.3558

Safety Instructions

Before using this product, please carefully read the following safety instructions to ensure its proper use and keep this manual for future reference:

- To prevent electric shock, do not attempt to open the product.
- Only qualified personnel should perform any repairs or maintenance.
- Always place the product on a stable, flat surface to prevent it from falling.
- Do not expose the product to water, moisture, or high-humidity environments to avoid the risk of damage.
- To prevent damage from direct sunlight or high temperatures, do not expose the product to such environments.
- Do not place the product near heat sources like radiators, heat registers, stoves, or other heat-producing apparatus.
- Do not place any objects on top of the product to avoid damage.
- Use only the attachments and accessories specified by the manufacturer.
- During lightning storms or prolonged periods of disuse, unplug the power supply to prevent damage.

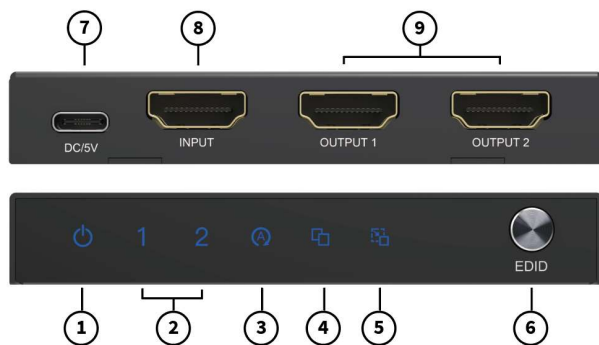
Introduction

This HDMI™ 8K splitter 1x2 lets you share two HDMI™ displays or projectors with an HDMI-enabled audio / video source device. With support for Ultra HD (8K@60Hz) the HDMI™ splitter ensures astonishing picture quality, four times the resolution of UHD 4K@60 Hz. The 8K splitter is also backward compatible with previous HDMI™ revisions, supporting 4K/1080p / 720p HDMI™ video resolution devices. Even if you don't require 8K video today, the HDMI™ 8K Splitter 1x2 ensures you'll be ready to take advantage of tomorrow's display technology. It features three different EDID modes auto/copy/downscaler for meet needs of different display occasion.

Package Contents

- HDMI 1x2 Splitter 8K@60Hz 4:4:4
- User Manual
- USB-A to USB-C Power Cable

Panel Description



1. Power LED
2. 1-2: HDMI Output 1-2 LED Indicator
3. Auto Mode LED Indicator
ON Normal Auto EDID Mode: Retrieves the lower resolution and audio format of both outputs for the input device to output that signal to both outputs.
4. Copy Mode LED Indicator
ON: Copy EDID Mode: Copies the resolution and audio format of output 1 for the input device to output that signal to both outputs.
5. Downscaler Mode LED Indicator
ON: Downscaler EDID Mode: Mixed resolutions are supported. For two screens with same refresh rates, but different resolutions, one of the two output signals can be downscaled from 8K to 4K or 1080p
6. EDID: Three EDID select buttons for auto, copy and downscaler
7. DC/5V: USB DC 5V Input
8. INPUT: HDMI Input port
9. OUTPUT 1-2: HDMI Output ports 1 and 2

Features

- Supports three different EDID modes auto/copy/downscaler:
 1. Normal Auto EDID Mode: Retrieves the lower resolution and audio format of both outputs for the input device to output that signal to both outputs.
 2. Copy EDID Mode: Copies the resolution and audio format of output 1 for the input device to output that signal to both outputs.
 3. Downscaler EDID Mode: Mixed resolutions are supported. For two screens with same refresh rates, but different resolutions, one of the two output signals can be downscaled from 8K to 4K or 1080p
- Full 3D video format
- High-definition resolution 8K@60Hz 4:4:4, 4K@120Hz and 1080P@240Hz
- 1000MHz/10Gbps per channel bandwidth (40Gbps all channels)
- 12bit per channel (36bit all channels) deep color
- HDCP 2.3, and backwards compatible with the HDCP2.2 and HDCP1.4
- High Dynamic Range (HDR) video pass-through, such as HDR10/HDR10+/Dolby vision etc.
- Consumer Electronics Control function
- Uncompressed audio such as LPCM
- Compressed audio such as DTS, Dolby Digital (including DTS-HD Master Audio™ and Dolby TrueHD)

Note:

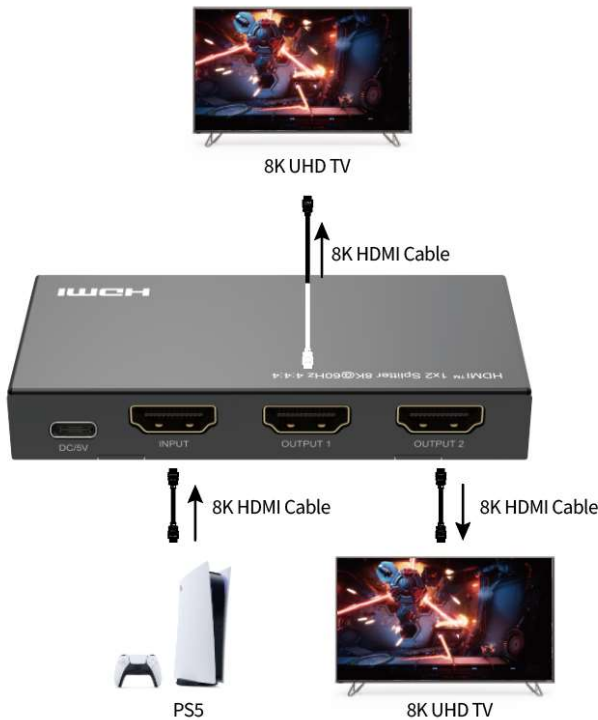
1. If you would like to output 8K@60Hz, 4K@120Hz and 1080P@240Hz via the switch in your displays, please make sure your source devices, your cable and your monitors can all support the resolution and refresh rate you need to output.
2. You need to connect standard HDMI- 2.1 compatible cables to enjoy 8K visual effects.
3. If in downscaler mode the supported resolution can only support up to 8K@60 4:2:0 for the main chip performance limited

Specification

Input Ports	HDMI x 1
Output Ports	HDMI x 2
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	10Gbps/1000MHz per channel (40Gbps all channels)
Interlaced(50&60Hz)	480i, 576i, 1080i
Progressive(50&60Hz)	480p, 576p, 720p, 1080p, 4K@24/30Hz, 4K@50/60/120Hz, 8K@24/30/50/60Hz
Operating Temperature	0°C to 70°C
Storage Humidity	5% to 90% RH non-condensation
Power Supply	USB Power Cable
Power Consumption (Max)	5W
Splitter Unit Cert	CE, RoHS
Power Supply Cert	CE, RoHS
Power Adapter Standard	EU
Dimension(LxWxH)	90*44*14mm
Net Weight	87g

Note: Specifications are subject to change without notice.

Connection Diagram



Troubleshooting Common Issues

Q: Power light is off and product is not working. How can I fix this?

A: First, please check the following items:

1. Ensure that your device's HDMI input device and power supply are properly connected
2. Check if the HDMI port of the display is selected correctly and is properly connected

Q: My second display flickers when I use the splitter. What could be causing this?

A: This may be caused by one or more of the following:

1. Make sure that the HDMI cable and splitter are securely connected.
2. Ensure that the HDMI cable is a standard HDMI 2.1 cable and the length is less than the limited 2 meters HDMI in and out for 8K/60Hz 4:4:4. For 4K@60Hz, 4m in and 4m out are possible.
3. Change to another port.
4. Change to another EDID mode.

Q: The splitter cannot output two 8K displays at the same time. Is it normal?

A: No, the product can output two 8K displays at the same time synchronously at the "auto" and "copy" mode.

Both displays must support the same 8K resolution. At downscaler mode, the output1 will output 8K@60Hz 4:2:0, and output2 will output 4K or 1080p resolution, fitting the connected display's resolution.