



J-TECH DIGITAL®

USER MANUAL ^{V1.0}



ULTRA HD 8K HDMI 1X2 SPLITTER

JTD-3024 | JTECH-8KSP12

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Scan the QR code below or visit <https://resource.jtechdigital.com/products/3024> to view and access detailed digital resources regarding this unit.



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, stove, 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.

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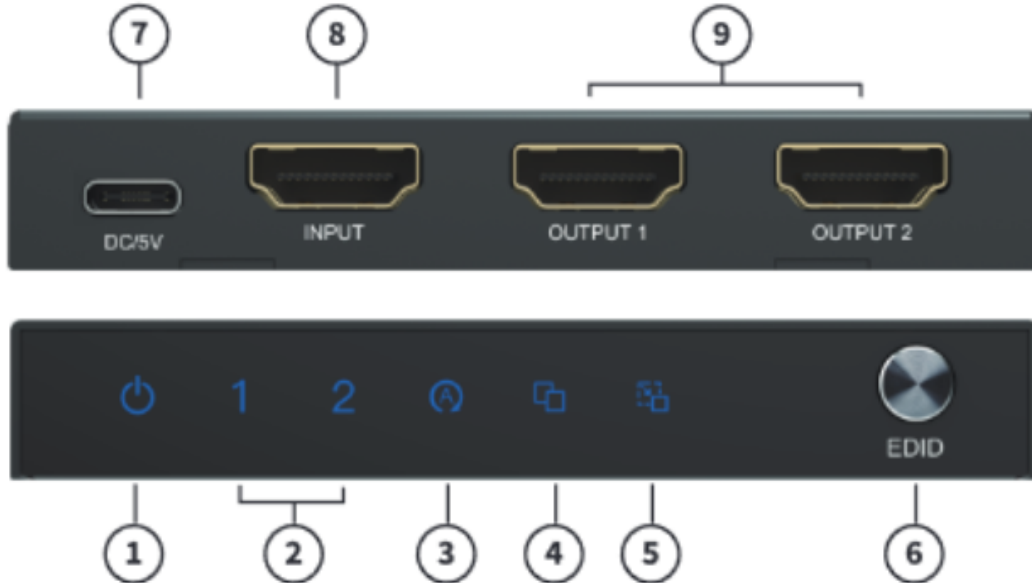
1. Introduction

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

2. Package Contents

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

3. Panel Description



1. Power LED
2. HDMI Outputs 1 - 2 LED Indicators
3. "Auto" Mode LED Indicator: LED on is normal auto EDID mode where the splitter uses the lower resolution and audio format between both outputs in order to display signal for both connected displays

4. “Copy” Mode: LED on lets the splitter copy resolution and audio format from output 1 to output the signal to both displays
5. “Downscaler” Mode: LED on lets the splitter downscale an 8K resolution signal to 4K or 1080P for output 2, while keeping 8K resolution for output 1
6. EDID Button: Change EDID between auto, copy, and downscaler mode
7. DC/5V: USB DC 5V input
8. Input: HDMI Input port
9. Output: HDMI 1 / 2 output ports

4. Features

- Supports 3 different EDID modes (auto, copy, downscaler)
 - Auto Mode lets the splitter use the lower resolution and audio format between both outputs in order to display signal for both connected displays.
 - Copy Mode lets the splitter copy resolution and audio format from output 1 to output the signal to both displays.
 - Downscaler Mode lets the splitter downscale an 8K resolution signal to 4K or 1080P for output 2, while keeping 8K resolution for output 1.
- Supports 3D video format
- UHD resolution 8K@60Hz 4:4:4 (40Gbps all channels)
- 12-bit per channel (36-bit all channels) deep color
- HDCP 2.3, and backwards compatible with HDCP 2.2 and 1.4
- Supports HDR, HDR10, HDR10+, Dolby Vision
- Supports CEC function
- Uncompressed audio such as LPCM and compressed audio such as DTS, Dolby Digital, DTS-HD Master Audio, Dolby TrueHD

Note:

1. If you would like to output 8K@60Hz, 4K@120Hz, and 1080P@240Hz, please make sure that your source devices, cables, and monitors can all support the desired resolution and refresh rate.
2. Use HDMI compatible 2.1 cable to enjoy 8K visuals
3. In downscaler mode, the supported resolution can only be 8K@60Hz 4:2:0

5. Specifications

Input Ports	1 x HDMI
Output Ports	2 x HDMI
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@24/30/50/60/120Hz, 8K@24/30/50/60Hz
Limited Warranty	1 Year Limited
Operating Temperature	0°C ~ 70°C
Storage Humidity	5 - 90% RH non-condensation
Power Supply	USB Power Cable
Power Consumption (Max)	5W
Splitter Unit Cert	FCC, CE, RoHS
Power Supply Cert	FCC, CE, RoHS
Power Adapter Standard	US, EU, UK, AU Standard etc.
Dimensions (L x W x H)	3.54" x 1.73" x 0.55"
Net Weight	0.19lbs

6. Connection Diagram



7. Troubleshooting Common Issues

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

A: First, please check the following:

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

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. Ensure that the HDMI cable and splitter are securely connected
2. Ensure that the HDMI cable is 2.1 standard and the length is under 2m for both HDMI input and output for 8K/60Hz 4:4:4. For 4K@60Hz resolution, HDMI length can be 4m for input and output
3. If your display has additional HDMI ports, try to toggle between them to see if the issue persists
4. Try changing the EDID mode on the splitter for compatibility issues

Q: The splitter can't output to two 8K displays at the same time. Is it normal?

A: No, this product can display 8K resolution to two displays simultaneously in auto and copy mode. In downscaler mode, output 1 will be 8K@60Hz 4:2:0, while the output 2 will be 4K or 1080P depending on the display.

8. Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner, or benzine to clean.

9. Warranty

If your product does not work properly because of a defect in materials or workmanship, our company (referred to as “the warrantor”) will, for the length of the period indicated as below, “Parts and Labor (1) Year”, which starts with the date of original purchase (“Limited Warranty period”), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the “Labor” limited warranty period, there will be no charge for labor. During the “Parts” warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers products purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

10. Mail-In Service

When shipping the unit, carefully pack and send it prepaid, adequately insured, and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone and/or email address where you can be reached.

11. Limited Warranty Limits and Exclusions

This Limited Warranty ONLY COVERS failures due to defects in material or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, mis- adjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributed to acts of God.

There are no express warranties except as listed under “Limited Warranty Coverage”. The warrantor is not liable for incidental or consequential damages resulting from the use of this product or arising out of any breach of this warranty. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive but are for illustration only). Parts and service, which are not covered by this limited warranty, are your responsibility.



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