



J-TECH DIGITAL®

USER MANUAL



8K HDMI 2.1 SWITCH
JTD-2874 | JTECH-8KSW01

J-TECH DIGITAL INC
12803 PARK ONE DRIVE
SUGAR LAND, TX 77478

TEL: 1-888-610-2818

E-MAIL: SUPPORT@JTECHDIGITAL.COM

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE



Introduction

The JTECH-8KSW01 2 port HDMI™ Switch Supports 8K@60Hz (7680x4320p@60Hz) resolutions and allows you to share a display or projector with two HDMI™-enabled video sources. The switch features two independent inputs that each support 8K resolution and 7.1 surround sound audio. 8K is supported by HDMI 2.1 compliant A/V devices and delivers four times the resolution of 4K. Additionally the JTECH-8KSW01 switch is backward compatible with Ultra HD 4K and high-definition 1080p so that you can rest assured knowing any video source will look great in your application. Enjoy hassle-free operation with two different switching modes:

1. Manual Port Switching: Enables you to manually select your HDMI™ source with easy-to-use panel button.
2. Automatic Port Switching: Enables your most recently activated video source to be displayed automatically.

Features

- Supports manual port switching & automatic port switching | Manual switching and automatic switching mode can be toggled via long press of the selector button for 3-5 seconds.
- Supports high-definition resolutions 8K@60Hz 4:4:4 | 4K@120Hz | 1080P@240Hz
- Supports 1200MHz/12Gbps per channel bandwidth (48Gbps all channels)
- Supports 12-bit per channel (36bit all channels) deep color
- HDCP 2.3 Compliant | HDCP 2.0 / 1.4 Backwards Compliant
- Supports High Dynamic Range (HDR) video pass-through| HDR10 | HDR10+ | Dolby Vision
- Supports VRR (Variable Refresh Rate) | ALLM (Auto Low-latency Mode) | QFT (Quick Frame Transport)
- Built-in Equalizer, Retiming and Driver
- Supports Consumer Electronics Control (CEC)
- Supports uncompressed audio formats such as LPCM
- Supports compressed audio formats such as DTS | Dolby Digital | DTS-HD Master Audio™ | Dolby TrueHD

Note:

1. *If you would like to output 8K@60Hz / 4K@120Hz / 1080P@240Hz via the switcher to your display, please make sure your source devices, your HDMI cables and your display can all support the desired resolution and refresh rate.*
2. *You need connect HDMI 2.1 rated cables to enjoy 8K content*

Package Contents

1 x J-Tech Digital JTECH-8KSW01 2-Port HDMI 2.1 Switch

1 x USB Power Cable



Ports and Interfaces



1. **SELECT:** Short press to change the input channel | Press & hold for 3-5 seconds to toggle between manual and automatic switching modes
2. **AUTO:** Auto Mode LED Indicator | When LED is illuminated, device is in automatic switching mode. When LED is dim, device is in manual switching mode
3. **IN1-2:** Input Port LED Indicators | Will illuminate when channel is selected
4. **IN1-2:** HDMI Input Ports 1 & 2
5. **OUT:** HDMI Output Port
6. **DC/5V:** DC 5V Input via micro-USB

Connection Diagram



Specifications

Input Ports	HDMI x 2
Output Ports	HDMI x 1
Vertical Frequency Range	50/60/100/120/240Hz
Video Amplifier Bandwidth	12Gbps/1200MHz per channel (48Gbps all channels)
Supported Resolutions - Interlaced(50&60Hz)	480i,576i,1080i
Supported Resolutions - Progressive(50&60Hz)	480p,576p,720p,1080p,4K@24/30Hz,4K@50/60/120Hz, 8K@24/30/50/60Hz
Operating Temperature	32°F to 158°F 0°C to 70°C
Storage Humidity	5% to 90% RH non-condensation
Power Supply	USB Power Cable
Power Consumption (Max)	5W
Splitter Certifications	FCC, CE, RoHS
Power Supply Certifications	FCC, CE, RoHS
Dimensions (LxWxH)	3.82 x 1.76 x 0.57 in
Net Weight	85g 0.187 Lbs
Material	ABS

Note: Specifications are subject to change without notice.

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(1) Years , Labor(1) Years) 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 product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

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.

LIMITED WARRANTY LIMITS AND EXCLUSIONS

1) This Limited Warranty ONLY COVERS failures due to defects in materials 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 attributable to acts of God.

2) 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.

3) PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

EXTENDED WARRANTY

With the registration of supported J-Tech Digital products, you extend the current warranty by 6 months. This extension is added to the warranty that starts at the purchase date of the device supported. Total product warranty with the extended period will equate to a total of 18 months of warranty from the date of purchase.

For extended warranties to be accepted, all warranty extensions must be claimed within 30 days of purchasing the eligible J-Tech Digital product. Extensions attempted to be claimed outside of the 30-day window will not be accepted. Visit www.jtechdigital.com to register your extended warranty.



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