



J-TECH DIGITAL®
USER MANUAL



8K HDMI 2x1 Switcher 8K@60Hz
JTD-2936 | JTECH-8KSW21P

J-TECH DIGITAL INC
9807 EMILY LANE
STAFFORD, TX 77477
TEL: 1-888-610-2818
E-MAIL: SUPPORT@JTECHDIGITAL.COM



What's included



Main Unit



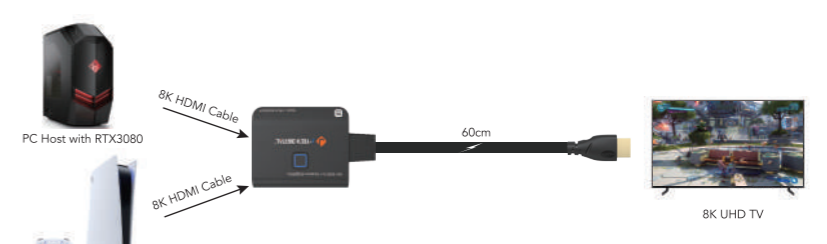
USB Power Cable

Ports and Interfaces



1. HDMI Male Port: HDMI Output Port
2. INPUT 1-2: HDMI Input Port 1,2
3. SELECT: Short press to change the input channel, long press the select button for 3-5 seconds to change the Auto Mode and Manual Port Switching Mode LED State.
- Light green means select the input1 port to the output
Light blue means select the input2 port to the output
4. Micro-USB: Connect to power for the switch via the Micro-USB Port
5. Power LED Indicator
6. AUTO: Auto Mode LED Indicator, ON is In Automatic Port Switching Mode, OFF is in Manual Port Switching Mode

Connection Diagram



Introduction

The 2 port HDMI™ Switch supports 8K@60Hz (7680x4320p @ 60Hz) resolution, and lets you 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. You'll be amazed at how this video switch maintains Ultra HD picture quality! 8K is supported by the latest A/V devices and delivers four times the resolution of 4K. Plus, because the switch is backward compatible with Ultra HD 4K and high-definition 1080p, you can rest assured that any video looks great in your digital application. Enjoy hassle-free operation with three 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.
3. Features an Automatic and Manual Switching mode change function and IR receiver on/off function via long pressing the switch button for 3 and 6 seconds to meet your needs

Features

- HDMI Switch with manual / automatic port switching. Switch between manual and automatic port switching modes via long pressing the selector button for 3-5 seconds
- Supports high-definition resolution 1 8K@60Hz 4:4:4, 4K@120Hz, and 1080P@240Hz
- Supports 1200MHz/12Gbps per channel bandwidth (48Gbps all channels)
- Supports 12bit per channel (36bit all channels) deep color
- Supports HDCP 2.3, and is backwards compatible with HDCP 2.2 and HDCP 1.4
- Supports High Dynamic Range (HDR) video pass-through, including HDR10/HDR10+/Dolby vision etc.
- Supports VRR (Variable Refresh Rate), ALLM (Auto Low-Latency Mode), and QFT (Quick Frame Transport) function
- Built-in Equalizer, Retiming, and Driver
- Supports Consumer Electronics Control (CEC)
- Automatic switching (smart function) and manual switching
- Supports uncompressed audio such as LPCM
- Supports compressed audio such as DTS, Dolby Digital (including DTS-HD Master Audio™ and Dolby TrueHD)

Specification

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)
Interfaced(S0&60Hz)	480, 576, 1080i
Progressive(S0&60Hz)	480p, 576p, 720p, 1080p, 4K@24/30Hz, 4K@50/60/120Hz, 8K@24/30/50/60Hz
Limited Warranty	1 Year Parts and Labor
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	FCC, CE, RoHS
Power Supply Cert	FCC, CE, RoHS
Power Adapter Standard	US, EU, UK, AU Standard etc.
Dimension(LxWxH)	65.5*55.5*16mm
Net Weight	96g
Material	ABS
User Manual	English Version

Note: Specifications are subject to change without notice.

Troubleshooting

Problems	Causes	Solutions
Power light is off and product is not working	Is the power adapter and USB power cable properly connected	Please check if the power adapter and USB power cable is connected properly
Screen splash	HDMI cable may not be HDMI 2.1 specification or the cable is too long	Please use the standard HDMI 2.1 cable, the input/output cable length does not exceed 2M at 8K@60Hz 4:4:4, 4K@60Hz can reach 5M to 5M



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