J-TECH DIGITAL®

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USER MANUAL

18G HDMI 1x2 Splitter
Model: JTECH-4KSP2

JTD-ID: 1834

The **18G Splitter** Control Path has been tested for conformity to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the **JTECH-4KSP2** should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation, air circulation, and do not use near water.
- Keep objects that might damage the device away and assure that the placement of this unit is on a stable surface.
- Use only the power adapter, power cords, and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

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INTRODUCTION

Thanks for choosing the JTECH-4KSP2 18G Splitter, which can distribute one HDMI input to two outputs. The splitter supports HDMI video resolution up to 4K@60Hz 4:4:4 and supports passing EDID information from the display, there is a built-in Down-scaling setting can be selected by the 2-pin DIP switch on the front panel. Moreover, the splitter supports convenient firmware upgrade through Micro-USB port.

PACKAGE LIST

- 1x 18G Splitter
- 1x User Manual
- 1x Power Adapter (5V DC 1A)

FEATURES

- Supports up to 4K/60Hz 4:4:4, HDR10 and Dolby Vision.
- HDCP 2.3 compliant.
- Built-in signal equalizer, provides capability to use longer range HDMI cable.
- EDID copy priority follows Output1>Output2.
- Supports 4K to1080p down-scaling up to all outputs.
- Scaler mode selection by front panel 2-pin switch.
- Convenient firmware upgrade.

Front & Rear Panel

① **Power LED:** The LED illuminates red when power is applied.

② **INPUT LED:** The LED illuminates blue when there is HDMI input

③ **INPUT:** Type-A female HDMI input port to connect the HDMI source.

④ **SCALER ON/OFF:** Turn on or off the down-scaling function.

⑤ **FW:** Micro-USB port for firmware upgrade.

⑥ **OUTPUT LEDS:** Two LEDS illuminate blue when there are HDMI outputs.

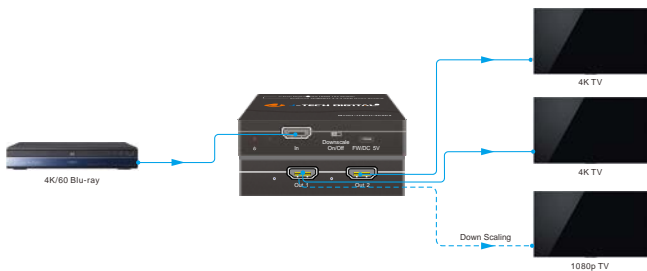⑦ **OUTPUTS:** Two type-A female HDMI output ports to connect HDMI displays

Video Resolution Down-scaling

The product supports video resolution down-scaling, the 4K input can be automatically degraded to 1080p output for compatibility with 1080p display, shown in the below chart.

#	Input			Output	
	Resolution	Refresh	Color Space	Downscale	1080p Specs
1	3840x2160	60	4:4:4	Support	1080p@60Hz 4:4:4
2	3840x2160	30	4:4:4	Support	1080p@30Hz 4:4:4
3	3840x2160	24	4:4:4	Support	1080p@24Hz 4:4:4
4	3840x2160	60	4:2:0	Support	1080p@60Hz 4:4:4
5	3840x2160	30	4:2:0	Support	1080p@30Hz 4:4:4
6	3840x2160	24	4:2:0	Support	1080p@24Hz 4:4:4
7	3840x2160	60	4:2:2	Not Support	N/A
8	3840x2160	30	4:2:2	Not Support	N/A
9	3840x2160	24	4:2:2	Not Support	N/A

The following diagram illustrates the typical input and output connection of the splitter:

4K TV

4K TV

Downscale
On/Off   FW/DC 5V

In

Out 1   Out 2

4K/60 Blu-ray

Down Scaling

1080p TV

Video Input	
Input	(1) HDMI
Input Connector	(1) Type-A female HDMI
HDMI Input Resolution	Up to 4K@60Hz 4:4:4 8bit
HDMI Standard	2.0
HDCP Version	up to HDCP2.3
Video Output	
Output	(2) HDMI
Output Connector	(2) Type-A female HDMI
HDMI Output Resolution	Up to 4K@60Hz 4:4:4
Control	
Control Part	(1) Micro-USB port
General	
HDMI 2.0 Cable Length	4K@60Hz 4:4:4 ≤ 5m, 4K@60Hz 4:2:0 ≤ 10m,1080p ≤ 15m
Operation Temperature	-10℃ ~ +55℃
Storage Temperature	-25℃ ~ +70℃
Relative Humility	10%-90%
Power Supply	Input:100V~240V AC; Output: 5V DC 1A
Power Consumption	1.8W
Dimension (W*H*D)	85mm x 85mm x 18mm
Net Weight	70g

FIRMWARE UPGRADE

Please follow the below steps to upgrade firmware by the Micro-USB port:

1) Connect the splitter to the PC with USB cable.

2) Power on the splitter, and then the PC will automatically detect a U-disk named of "BOOTDISK".

3) Double-click to open the U-disk, a file named of "READY.TXT" will be showed.

4) Copy the latest upgrade file (.bin) to the "BOOTDISK" U-disk directly.

5) If the filename "READY.TXT" automatically turns to "SUCCESS.TXT", the firmware was upgraded successfully. If the firmware upgrade failed, please check the file (.bin) and then follow the above procedure to operate again.

Remove the USB cable after firmware upgrade

18.00 mm

Out 1   Out 2

85.00 mm

J-Tech Digital®18G HDMI 1X2 Splitter

Supports 4K@60Hz 4:4:4 HDR Down-Scaling

J-TECH DIGITAL©

Model:JTECH-4KSP2

85.00 mm

Designed & Engineered by J-Tech Digital, Inc in Texas, US
Made in China   JTD-ID:1834

FC CE ⚠

In   Downscale   FW/DC 5V
On/Off

Scan this QR code using your smartphone to view the full J-Tech Digital Product Lineup!

Have more questions? Scan this QR code using your smartphone to contact us!