



J-TECH DIGITAL

USER MANUAL



1080P 60HZ 1X4 HDMI SPLITTER EXTENDER UP TO 164FT.

JTD-3021 | JTECH-14EXP

J-TECH DIGITAL INC.

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regarding this unit.



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1. Description

JTECH-14EXP is a 164ft. (50m) extender with 1 HDMI input and 4 UTP output. It supports 1080P 60Hz. The 1x4 extender has the ability to equalize and amplify to ensure that the HDMI signal is transmitted without loss of quality. This splitter can be used for digital entertainment centers, retail and display websites, set-top boxes, security rooms, data control centers, conference rooms, schools, and enterprise training environments.

2. Features

- 1 x HDMI Input | 1 x HDMI Loop-out & 4 x UTP Outputs
- 1080P 60Hz up to 164ft. over single CAT5e/6
- HDCP 1.4 compliant
- Supports USB updating
- Audio formats such as LPCM 2.0, Dolby Digital, DTS
- Supports PoC (Receivers are powered by the transmitter)

3. Specifications

Ports	1 x HDMI Type 19-pin 4 x RJ45 ports
Audio	LPCM 2.0 / LPCM 7.1 / DTS 7.9 / AC-3-5.1
Resolutions	1080P 60 / 50 / 30 / 25 / 24 Hz 1080i 60Hz 720P 60 / 50 / 30 Hz 576P 50Hz 576i 50Hz

	480P 60Hz 480i 60Hz
HDMI Version	1.4
Max Resolution	1080P 60Hz (4:4:4)
Max Data Speed	6Gbps (6Gbps per color)
Max Clock	150Mhz
Color Space	RGB, YUV 4:4:4 / 4:2:2
Deep Bit	8-bit / 10-bit / 12-bit
Power Consumption	DC 12V Input

4. Product Requirements

Front Panel:



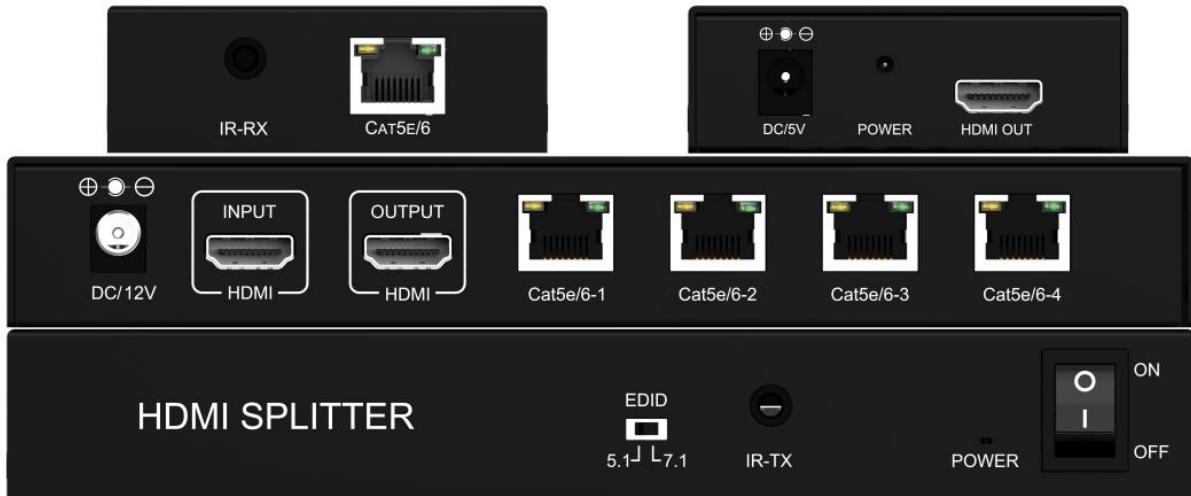
	Type	Function
1	Power Indicator	Red power indicator shows working data
2	HDMI In Indicator	Blue light indicates working connection
3	HDMI Out Indicator	Blue light indicates working connections
4	EDID	LPCM 2.0 / LPCM 6.0 / LPCM 2.0-7.1 / DTS7.0 / AC-3-5.1
5	IR-TX	1 x 3.5mm Port. Connect with IR TX cable
6	Power Button	Turn the system on / off

Rear Panel:



	Type	Function
1	HDMI In	HDMI A port. Supports up to 1080P 60Hz
2	Cat5e/6	4 x UTP ports to transmit signal to the receivers
3	DC 12V	1 x 5.5 * 2.1 power port with lock screw
4	HDMI Loop	1 x HDMI loop output

Receiver



	Type	Function
1	DC 12V	1 x 5.5 * 2.1 power port
2	Cat5e/6 In	1 x RJ45 port to connect to the transmitter

3	HDMI Output	1 x HDMI output to connect to the display
4	Power Indicator	Red power indicator to show working condition
5	IR-RX	1 x 3.5mm IR RX cable port

EDID	
Left	Default (1080P 60Hz-5.1 2ch)
Right	Default (1080P 60Hz-7.1 2ch)

5. HDCP

HDMI Output	Display HDCP 2.2 / 1.4	Display HDCP 1.4	Display
HDCP 2.2	No HDCP	No HDCP	No HDCP
HDCP 1.4	No HDCP	No HDCP	No HDCP
No HDCP	No HDCP	No HDCP	No HDCP

6. Maintenance

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

7. 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.

8. 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.

9. 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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