



J-TECH DIGITAL[®]

V1.0

USER MANUAL



1080P 60HZ ONE - MANY HDMI ETHERNET EXTENDER UP TO 328FT
JTD-2994 | JTECH-EX100M

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Scan the QR code below or visit <https://resource.jtechdigital.com/products/2994> 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. Features

- Extends HDMI signal up to 328ft (100m) over single CAT5E/CAT6.
- The highest video resolution is 1080P 60Hz (YUV444).
- HDMI1.4, HDCP1.4.
- Supports infrared extension transmission control.
- H.265 encoding, low bandwidth and high image quality.
- Low power consumption, less than 2w

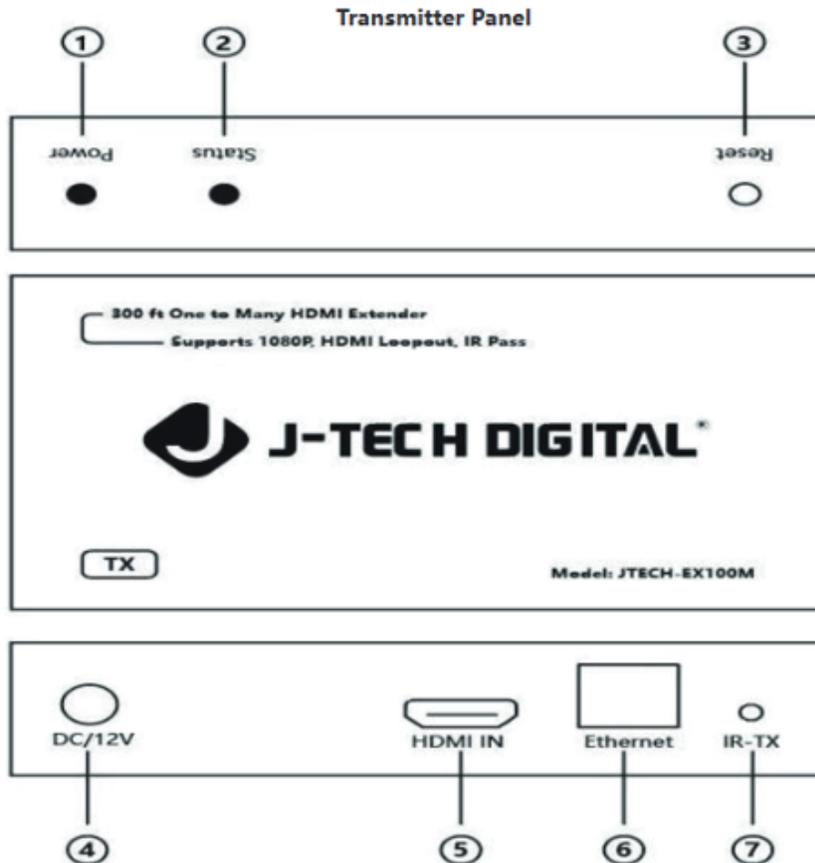
2. Specifications

Operating Temperature Range	-20°C ~ 70°C
Operating Humidity Range	5 – 80% RH (No Condensation)
Input Video Signal	0.5 – 1.0V <u>p_p</u>
Input DDC Signal	5V p-p (TTL)
Supported Video Format	TV: 1920 x 1080P 60/50/30Hz; 1280 x 720 60/50Hz; 1080i 60Hz PC: 1920 x 1080; 1600 x 1050; 1600 x 900; 1440 x 900; 1400 x 1050; 1360 x 768; 1280 x 720; 1024 x 768
Video Output	HDMI
Transmission Distance	328ft. (100m) over Cat5e/6
Power Consumption	Transmitter: 2W (Max) Receiver: 2W (Max)
IR Frequency	8 – 56kHz
Dimensions (L x W x H)	130mm x 75mm x 28mm 5.12" x 2.95" x 1.10"
Net Weight	Transmitter: 0.51lbs. Receiver: 0.51lbs.
Transmitter IP Address	192.168.101.110 (MAC Address: Not Fixed)
Receiver IP Address	Not Fixed (MAC Address: Not Fixed)

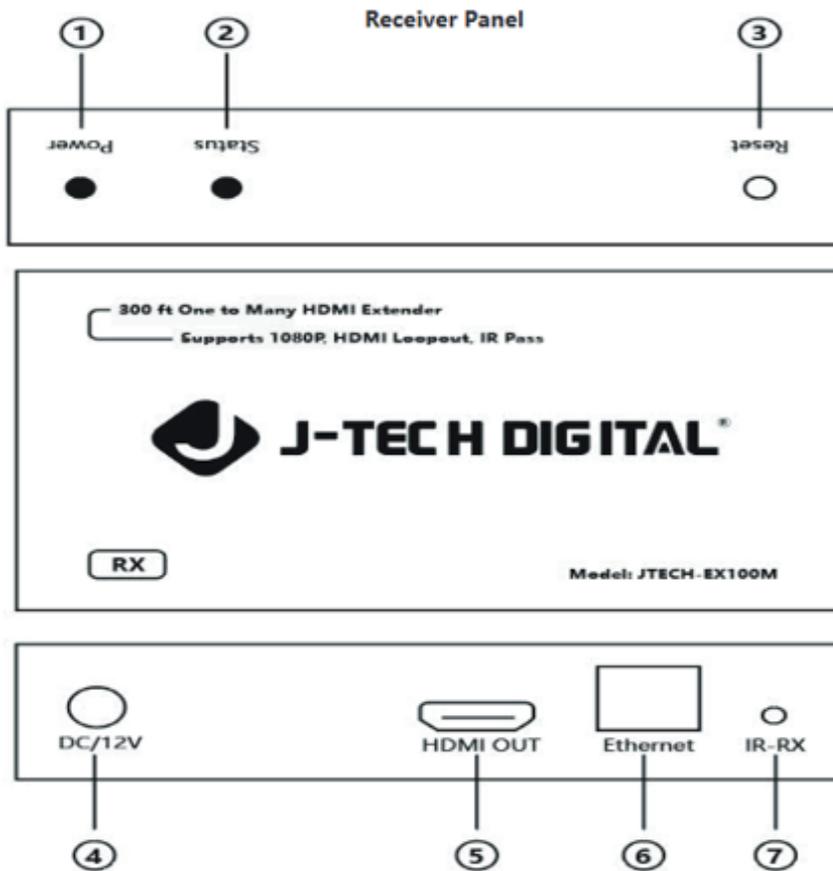
3. Package Contents

- (1) x Transmitter
- (1) x Receiver
- (2) x DC 12V/1A Power Adapters
- (1) x IR TX Cable
- (1) x IR RX Cable
- (1) x User Manual

4. Panel Description



- ① Indicator of power input
- ② Status of signal connection
- ③ Reset button
- ④ Power input port
- ⑤ HDMI input
- ⑥ Ethernet port
- ⑦ IR-TX port



- ① Indicator of power input
- ② Status of signal connection
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- ⑤ HDMI output
- ⑥ Ethernet port
- ⑦ IR-RX port

5. Connecting and Operating

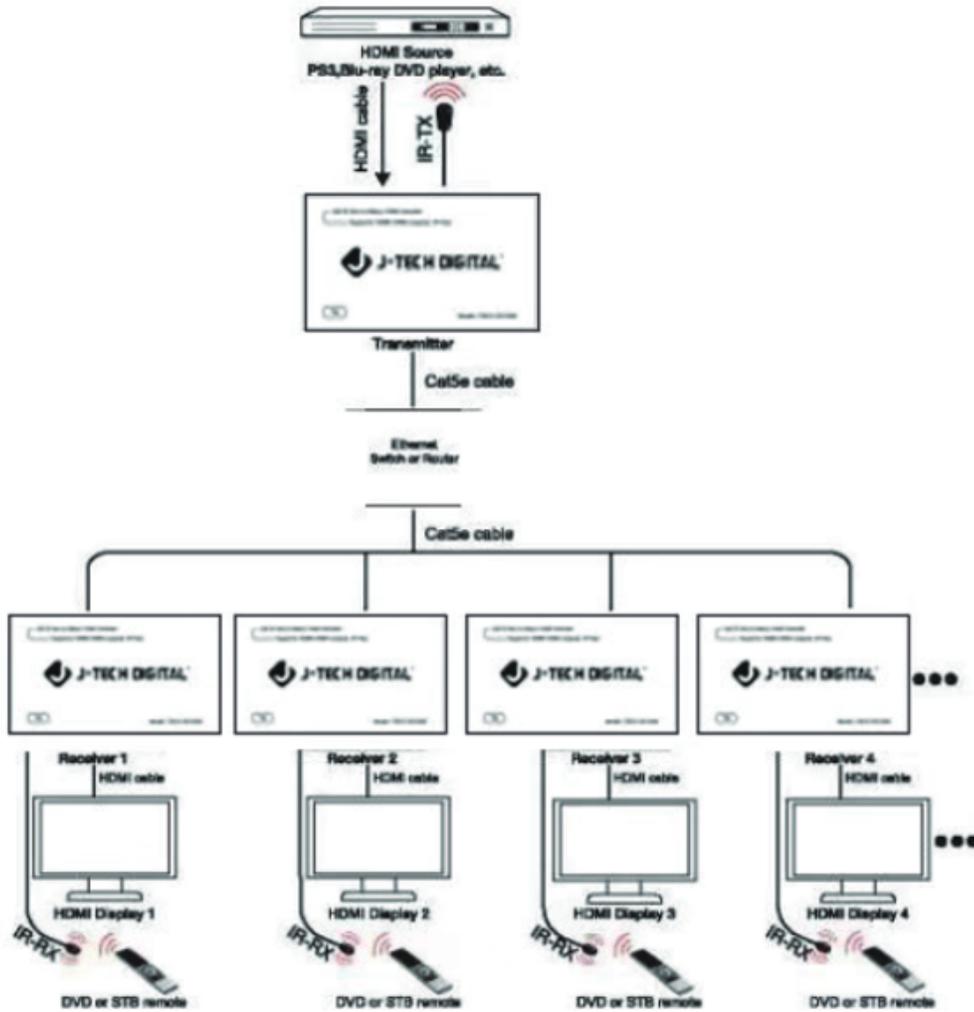
- Connect the HDMI signal source (Such as DVD, STB etc.) to HDMI Transmitter.
- Connect CAT5e or 6 cables to both the Ethernet of the transmitter and Ethernet port of the Receiver. (The cables must follow the standard of EIA-TIA 568B).
- Connect the HDMI display (Such as HD-LCD, HD-DLP) into the Receiver.
- Connect the power supply into Power port.
- Connect the IR TX receiving cables into IR TX port on the back panel and affix the emitter onto the source IR windows.
- Connect IR-RX cable into IR-RX port on the receiver and affix the IR receiver in direct line of site with the handheld remote control. It is recommended to affix the receiver on the display frame /bezel or the display stand.

6. Typical Application

- One - One



- One - More



Note : Connect HDMI Transmitter port and Receiver ports to the Ethernet Switch

7. Maintenance

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

8. 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.

9. 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.

10. 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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