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J-TECH DIGITAL JTD-183 1080P 60Hz HDMI Over Ethernet Extender User Manual

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JTD-183 1080P 60Hz HDMI Over Ethernet Extender

Specifications

- Extends 1080P signal up to 200ft. between the transmitter and receiver over a single IEEE-568B UTP cable (Cat5e/6/7) Transmitters can power receiver via PoC
- Supports Deep Color up to 36-bit
- Lossless compressed digital audio; Dolby TrueHD, DTS-HD, Master Audio
- Transmit digital audio and video signals with zero signal loss
- Data transfer speed of 6.75Gbps
- EDID copy function for maximum compatibility

Product Usage Instructions

Introduction

The JTDHDEX-1P HDMI over a single ethernet extender can extend a 1080P audio/video signal up to 200ft, which is four times the transmission distance of a typical HDMI cable. The PoC (power over cable) function allows users to only use one power adapter between the transmitter and the receiver, making for a cleaner, clutter-free setup. This extender is viable in any installation, whether residential or commercial.

Features

- Extends 1080P signal up to 200ft. between the transmitter and receiver over a single IEEE-568B UTP cable (Cat5e/6/7)
- Transmitters can power the receiver via PoC
- Supports Deep Color up to 36-bit
- Lossless compressed digital audio; Dolby TrueHD, DTS-HD, MasterAudio
- Transmit digital audio and video signals with zero signal loss
- Data transfer speed of 6.75Gbps
- EDID copy function for maximum compatibility
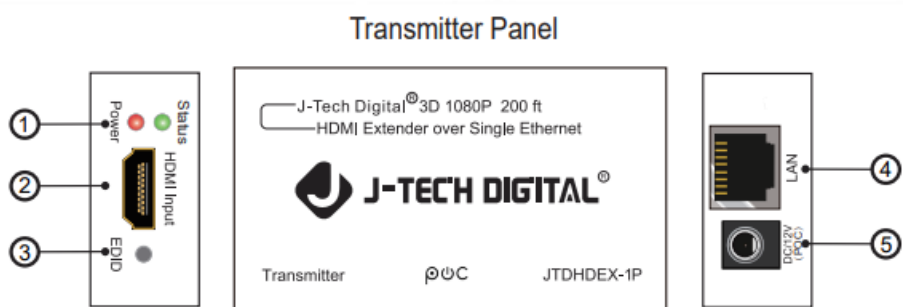
Package Contents

- (1) x Transmitter
- (1) x Receiver

- (1) x DC12V Power Adapter
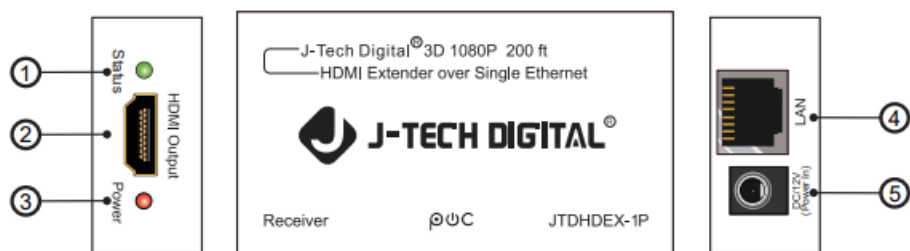- (1) x User Manual

Specifications

- **Operating Temperature Range:** -5° ~ 35°C | 23° ~ 95°F
- **Operating Humidity Range:** 5 to 90% RH (No condensation)
- **Input Video Signal:** 0.5 – 1. OV P-P
- **Input DDC Signal:** 12V p-p (TTL)
- **Video Format Support:** Up to 1080P
- **Video Output:** HDMI | HDCP 1.4
- **Audio Format Support:** DTS-HD Master Audio, Dolby True-HD etc.
- **Transmission Distance:** 1080 8-bit 200ft. (Max) over single CAT5e/6 24AWG/Solid
- **Power Consumption:** 5W (Max)
- **Dimensions (L x W x H):** 83mm x 48mm x 25mm 3.27″ x 1.89″ x 0.98″
- **Net Weight:** 250g | 0.55 (Pair)

Panel Information

1. Status of signal connection
2. HDMI input
3. EDID copy button
4. CAT-5E/6 output
5. Power input

Receiver Panel

1. Status of signal connection
2. HDMI output
3. Status of power input

4. CAT-5E/6 input
5. Power input

Connection and Operation

- Connect the HDMI signal source to the transmitter's HDMI input port
- Connect an ethernet cable between the transmitter and the receiver ethernet ports (The cable must follow the standard of EIA-TIA 568B)
- Connect an HD display to the HDMI output port of the receiver

Using EDID Copy Function

If you are experiencing issues with your HDMI extender and are not seeing an image on your display, it could be caused by an incompatibility between your source and the extender. However there is a very simple solution to this problem, and it lies within the EDID copy function of the JTDHDEX-1P.
Follow these steps for the EDID copy function:

1. First, connect the Transmitter of the extender to an HDMI input port on your TV, projector, monitor, or other display.
    - Next, hold down the EDID copy button for about 5 seconds
    - Once you have pressed the button long enough, make sure to turn the extender off so that the information can be saved onto the transmitter
2. Now, simply reconnect your transmitter back to your source and the extender will now pass the EDID information copied from your display!
    Note: You can also erase previously saved EDID information, in case you plan on using this extender on a different display. Follow this next step to erase the stored EDID information:
    - Disconnect the HDMI cable from the transmitter, and hold down the EDID copy button for about 3-5 seconds (the red LED should flash for a few seconds then become static, or stop flashing). Once again, simply power down the transmitter and all of the previously saved EDID information will be gone from the extender.

Maintenance

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

Warranty

If your product does not work properly because of a defect in materials of 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.

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 daytime phone and/or email address where you can be reached.

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 the 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, and 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 services, which are not covered by this limited warranty, are your responsibility.

FAQ

- **Q: How far can the JTDHDEX-1P extend a 1080P signal?**
- A: The JTDHDEX-1P can extend a 1080P signal up to 200ft.
- **Q: Can the receiver be powered by the transmitter via PoC?**
- A: Yes, the transmitter can power the receiver via PoC, allowing for a cleaner setup.
- **Q: Does the JTDHDEX-1P support Deep Color and lossless compressed digital audio?**
- A: Yes, the JTDHDEX-1P supports Deep Color up to 36-bit and lossless compressed digital audio, including Dolby TrueHD, DTS-HD, and Master Audio.

Documents / Resources

J-TECH DIGITAL JTD-183 1080P 60Hz HDMI Over Ethernet Extender [pdf] User Manual
JTD-183 1080P 60Hz HDMI Over Ethernet Extender, JTD-183, 1080P 60Hz HDMI Over Ethernet Extender, 60Hz HDMI Over Ethernet Extender, HDMI Over Ethernet Extender, Over Ethernet Extender, Ethernet Extender, Extender

References

- **J-Tech Digital HDMI Extender over Cat5e/6 Ethernet 1080p@60Hz 200ft**

- **User Manual**