



# J-TECH DIGITAL<sup>®</sup>

## USER MANUAL



### 3D 1080P HDMI Extender Over Single Ethernet with PoC

JTD-3192 | JTD-HDEX-1PV2

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Scan the QR code below or visit  
<https://resource.jtechdigital.com/products/3192>  
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.

## Table of Contents

1. Introduction	5
2. Packing Contents	5
3. Feature	5
4. Panel Description	6
5. Connection Diagram	7
6. Specifications	8
7. Troubleshooting	9
8. Maintenance	10
9. Warranty	10
10. Mail-In Service	10
11. Limited Warranty Limits and Exclusions	11

## 1. Introduction

The HDMI Extender Set, Full HD offers an extender solution of up to 50m(165ft) for the highest demands. It is used to transmit digital video and audio signals to a maximum length of up to 50m(165ft). The highest supported video resolution is 1080P@60Hz. The transmitter unit features an EDID setting, which can be used to solve the compatible issue for no image or sound. It features PoC (power over cable) function enabling receiver or transmitter to be powered from the another side by a single 12V power supply.

## 2. Packing Contents

- 1) Main Unit TX&RX
- 2) DC 12V Power Adapter with Screw

## 3. Feature

- Extends the maximum length for HDMI cable to up to 50m(165ft) via a simple network cable
- Support HDCP 1.3
- Highest supported video resolution: 1080P@60Hz
- Supports CAT 6, CAT 6A, CAT 7 network cables
- EDID setting - Allows you to copy the display EDID information when connect with the transmitter unit's HDMI Input port after long press the EDID button for 3s, and long press to 6s, the transmitter unit will restore the default 1080p EDID
- Uncompressed and zero latency.
- Plug and play, without installation.

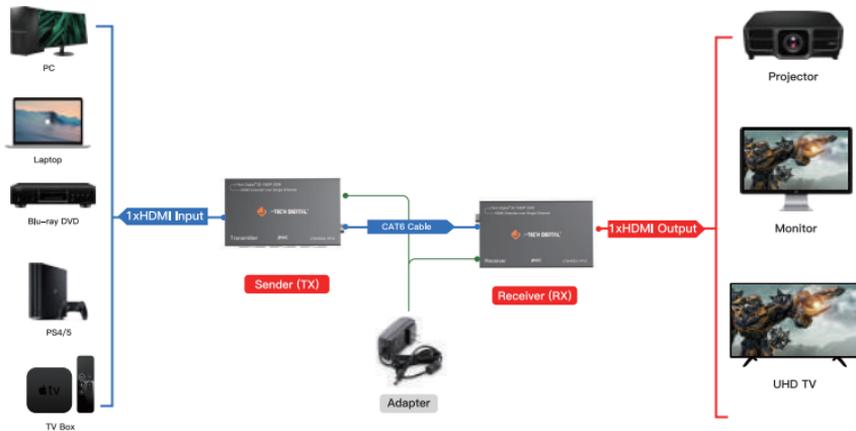
## 4. Panel Description



1. DC 12V: DC 12V In
2. LAN/POC: UTP Cable Connection Port for signal out
3. EDID: Press to copy the connected display EDID for long press 3s and restore the default 1080p EDID for long press 6s
4. HDMI input: Connect to Input Sources via HDMI Male Input Port
5. Status:Signal Status Indicator  
Transmitter:  
Light on for connected with the HDMI Input Source  
Light off for no HDMI input source  
Receiver:  
Light on for Connected with the HDMI Output Display, and the HDMI Input Source and UTP Cable Connect with the Receiver  
Light off for no Display or HDMI Input Source or UTP Cable Connect with the Receiver

6. Power: Power LED Indicator
7. LAN: UTP Cable Connection Port for Signal In
8. HDMI out: Connect to Output Devices via HDMI Male Output Port

## 5. Connection Diagram



## 6. Specification

Input Ports	HDMI x 1 RJ45 x 1
Output Ports	HDMI x 1, RJ45 x 1
Extensions Distance	50m(164 feet) for 1080P@60Hz
Vertical Frequency Range	50/60Hz
Interlaced Resolutions(50&60Hz)	480i,576i,1080i
Progressive Resolutions(50&60Hz)	480p,576p,720p,1080P
Limited Warranty	1 Year Parts and Labor
Operating Temperature	0 C to 50 C
Storage Humidity	5% to 90% RH non-condensation
Power Supply	DC 12V
Power Consumption (Max)	TX: <1W, RX: <1W
Extender Unit Cert	FCC, CE, RoHS
Power Supply Cert	FCC, CE, RoHS
Dimension(LxWxH)	TX/RX: 84.4x49.15x24.2mm
Net Weight	TX: 61g, RX: 64g
Material	Aluminium Alloy
User Manual	English Version

Note: Specifications are subject to change without notice.

## 7. Troubleshooting

Problems	Causes	Solutions
Non-power-connected/all LED off	Maybe the power supply is not connecting well or use the wrong power adapter	Please check if the power supply is connecting well and the output voltage value is correct as recommended
No sound or sound issues	Maybe the HDMI connection is not well; the audio format is not supported by the displays; the source player set another port to output audio	Please check if the HDMI cables are connecting well; if the audio format is not supported by the displays, customers can change to the supported audio format or the player's audio output is setting HDMI audio output or not, and customers also can use the EDID setting function for copy the supported audio EDID information for long press EDID button for 3s
No picture or picture flicker	Maybe the HDMI cable quality and UTP cable quality is not good enough or not connecting well	Please check if the HDMI and UTP connection is well, or change another good quality HDMI standard HDMI cable or UTP(CAT6 or better cable is recommended) cable will solve the issue. and customers also can use the EDID setting function for copy the supported video EDID information for long press EDID button for 3s

## 8. Maintenance

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

## 9. 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.

## 10. 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.

## 11. 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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