



Website: www.jtechdigital.com
 Toll Free: 1-888-610-2818[US]
 Email: Support@jtechdigital.com

USER MANUAL

J-Tech Digital® HDMI Extender
 Over Single CAT Cable with Dual IR



JTD-ID:809

1

SPECIFICATIONS

Operating Temperature Range	-5 to +35°C (+23 to +95°F)
Operating Humidity Range	5 to 90%RH (No Condensation)
Data transfer speed	6.75Gbps
Connectors Transmitter	HDMI Receptacle x 1 RJ45 Receptacle x 1 Power DC Receptacle x 1 IR Receptacle x 2 (for IR TX and RX cable)
Connectors Receiver	HDMI Receptacle x 1 RJ45 Receptacle x 1 Power DC Receptacle x 1 IR Receptacle x 2 (for IR TX and RX cable)
Resolution outputs	1080p/1080i/720p/576p/480p
Audio format supported	DTS-HD Master Audio, Dolby True HD, multi-channel 5.1, stereo etc
Output Video Signal	HDMI
Dimensions (HxWxD)	2.56"W x .95"Hx3.34"D(65x24.1x85mm)
Power supply	DC 5V Power supply
Power consumption	4W(MAX)
Transmission Distance	1080p up to 50m (1)
Net Weight	319g (1 Pair)

Note: 1. Under perfect transmission conditions including straight cable runs with no electrical interference, bends, kinks, patch panels or wall outlets.

Package Contents

- 1xHDMI Transmitter
- 1xHDMI Receiver
- 2 x IR TX Emitter
- 2x IR RX Receiver
- 2x5V/1A DC Adapter
- 1xUser Manual

3

Notice

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute the warranty of any kind, express or implied.

Features

- Allows HDMI Audio/Video Signals and IR to be transmitted over a 50m single Cat5e/6 Cable.
- Transmits a wide-band (38K-56KHz) Bi-Directional IR control signal together with the HDMI signal.
- Support 24bit Deep Color.
- Automatically adjusts feedback, equalization and amplification.
- EDID DIP switch on Transmitter to enhance EDID communication between sources and displays.
- Supports PCM, Dolby Digital™, and DTS Digital Surround™.
- Follows IEEE-568B cable termination standards.
- Supports 3D video format.

NOTICE

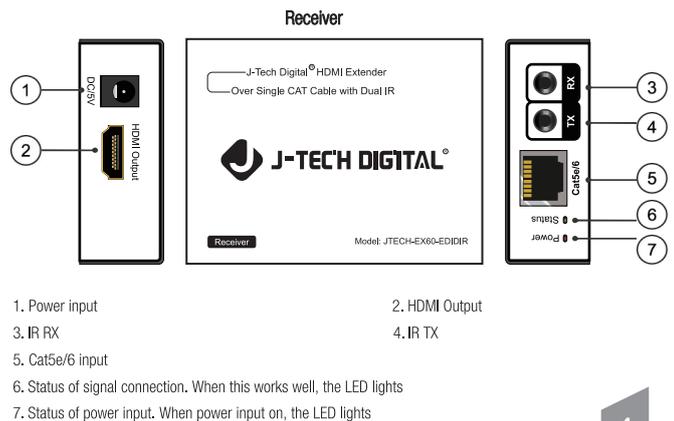
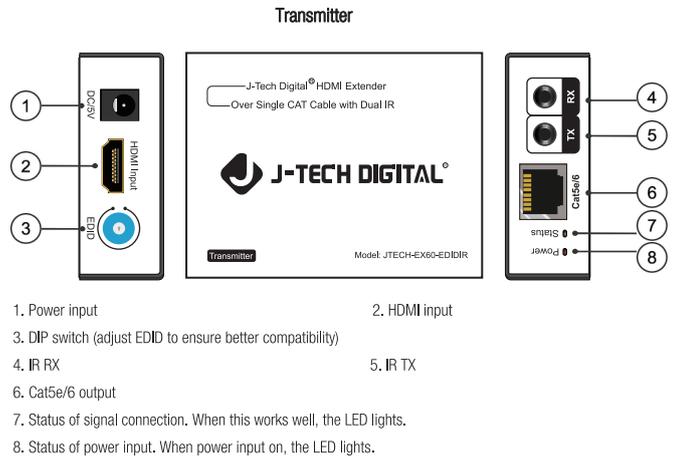
Our company reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

TABLE OF CONTENTS

- Specifications
- Package Contents
- Panel Descriptions
- Connecting and Operating
- Typical Application
- Maintenance
- Product Service
- Trouble Shooting
- Warranty

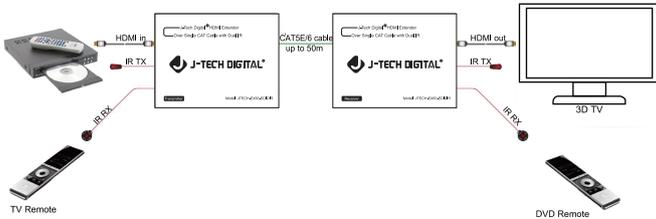
2

PANEL DESCRIPTIONS



4

Connection Diagram



Connecting and operating

1. Connect 1 source such as a Blu-Ray Player, game console, STB, etc. to the HDMI input on the transmitter
2. Connect 1 display such as an HDTV or HD Projector to the HDMI output on the receiver .
3. Connect a single Category 5e/6/7 up to (50m) to both transmitter and receiver.
4. Plug in the IR-RX cable and IR-TX cable to the IR jack port located on the Receiver and transmitter balun.
5. Power on the transmitter and receiver firstly, then power on the source and sink.
6. DIP Switch Description.

EDID for Transmitter

Position	Functions
0	HDMI 1080P 2CH
1	HDMI 1080P 5.1CH
2	HDMI 1080P 7.1CH
3	HDMI 1080P 3D 2CH
4	HDMI 1080P 3D 5.1CH
5	HDMI 1080P 3D 7.1CH
6	Reserved
7	Reserved

Note The distance is 40m under 5.1CH or 7.1CH.

MAINTENANCE

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

PRODUCT SERVICE

- 1) **Damage requiring service:**
The unit should be serviced by qualified service personnel if:
 - (a) The DC power supply cord or AC adaptor has been damaged;
 - (b) Objects or liquids have gotten into the unit;
 - (c) The unit has been exposed to rain;
 - (d) The unit does not operate normally or exhibits a marked change in performance;
 - (e) The unit has been dropped or the cabinet damaged.
- 2) **Servicing Personnel:** Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
- 3) **Replacement parts:** When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.
- 4) **Safety check:** After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

Trouble Shooting

- 1) What kind of cable should be used ?
24AWG, Cat5e/6 solid Cable.
- 2) What's the distance for this Extender ?
1080P up to 50m, 40m under 5.1CH or 7.1 CH.
- 3) What kind of EDID for this Extender ?
Copy EDID, please check user manual Page 4.
- 4) What data transfer speed is it ?
6.75 Gbps.

WARRANTY

Free lifetime technical support from the manufacture and free 1 Year Manufacturer Warranty from J-Tech Digital.

Visit www.jtechdigital.com for more information about our latest products.

WWW.jtechdigital.com

- ┆ Product pictures are for reference only.
- ┆ Specifications described herein are subject to change without prior notification.
- ┆ All trademarks are the sole property of their respective companies.
- ┆ Copyright © J-Techdigital, Inc. All rights reserved.