6.3 Bi-directional IR pass back

1) This system supports bi-directional infrared pass back. This allows the user to take the HDMI source device remote control and utilize to control infrared commands from the remote viewing site.
2) Bi-direction IR pass back functionality requires the proper installation of the IR blaster extension cable and IR receiver extension cable. If controlling IR at the receiver device connect the IR blaster extension cable with IR out of the transmitter and connect IR receiver extension cable with IR in at the receiver. If controlling IR at the transmitter, connect the IR receiver extension cable with IR in of the transmitter and connect the IR blaster extension cable with the IR out of the receiver.

7. FAQ

Q1: No image output.
A1: Check the led indicator status to make sure all connections are good and stable.

Q2: Signal led "3" is flashing but no image output.
A2: Check if the HDMI display device has been switched to the right HDMI input channel.

Q3: Signal led "2" is flashing but "3" light is off.
A3: Check whether the TX's HDMI IN has signal and make sure RX's HDMI OUT is connected with HDMI display.

Q4: Output image has flashing points or disturbance points.
A4: Change TX's HDMI signal input cable or use shorter HDMI cable.

8. Specification

Items	Specifications		
HDMI signal	4Kx2K, compatible with HDCP, support CEC and 24bits deep color		
Resolution Supported	480i /480P / 576i / 576P / 720P / 1080i / 1080P / 3D /4Kx2K		
Audio	LPCM、DTS Digital, Dolby Digital		
Network cable	CAT5E, CAT6, CAT6A, CAT7		
Transmission length	CAT5E/CAT6	100m	UP to 1080P@60Hz 36bpp
		70m	1080p@60Hz 48bpp,1080p@60Hz 3D,4Kx2K
	CAT6A/CAT7	100m	30Hz/60Hz
Infrared back	Support 20~60kHz wide frequency devices and Bi-directional IR transmission		
Power supply	DC12V/2A x 2pc		
Power consumption	8W		
Product dimension	98.5(L)x66.5(W)x23(H)mm *2pcs		
Enclosure material	Metal		
Weight	TX:79g RX :107g		
Color	black		

Made in China

CableTronix is a proud member of the NACE Brands family of technology product manufacturers

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CableTronix

HDMI EXTENDER OVER SINGLE CAT5E/6/7

CT-HDEXT-330-B

USER MANUAL

CT-HDEXT-330-B

HDMI Extender over single Cat5e/6/7-100m

User manual

Thank you for purchasing this product. For optimum performance and safety, please read the instructions carefully and keep the manual for future reference.

Please read these safety instructions carefully before installation and operation:

- Please pay attention to all the warnings and notices on this device.
- Do not expose this unit to rain, moisture or liquid.
- Do not allow debris to fall into the device.
- Do not repair or open this device without professional guidance.
- Keep all ventilation openings clear, to avoid product overheating / damage.
- Shut off power and make sure the environment is safe before installation.
- Do not disconnect any cables while the unit is in operation.
- Use only the power adapter included with this device, or one approved by CableTronix.

1. Introduction

This **HDMI** single network cable extender transmits an HDMI signal up to 100 meters over a CAT5E/6/7 network cable with zero signal loss. The product provides full infrared functionality between the HDMI source and display, and also supports 3D, 24 bit color, 4kx2k, CEC and HDCP.

2. Features

1. Uncompressed HDMI video signal
2. Supports full HD 1080P@60Hz, 3d, 4kx2k@60Hz
3. Extends 1080p signal over CATSE/6/7 up to 100 meters
4. Supports bi-directional IR pass back
5. Supports HDCP ,CEC, 24 bit color
6. Supports uncompressed LPCM audio and compressed DTS-HD, Dolby True HD

3. Package contents

HDMI transmitter x1pc

HDMI receiver x 1pc

DC12V/2A x 1pc

IR blaster extension cable x 1pc

IR receiver extension cable x 1pc

User manual x 1pc

4. Installation Requirements

4.1. Requires sources with HDMI output interface, examples are DVD, PS3, STB, PC, etc.

4. 2. Requires HDMI compatible display device with HDMI input port, examples are SDTV, HDTV, projector, etc.

4.3. Network Cables:
UTP/STP CAT5E/CAT6/CAT7 network cables which adhere to IEEE-568B standard

5. Panel description

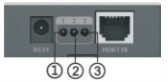
5.1 HDMI extender transmitter (TX)

1. HDMI IN:	HDMI signal input to connect with HDMI source device
2. IR IN:	IR signal input to connect with IR receiver extension cable
3. IR OUT:	IR signal output to connect with IR blaster extension cable
4. DC12V:	Power input
5. HDBT OUT:	HDBaseT signal output

5.2 HDMI extender receiver (RX)

1. DC12V:	Power input
2. HDBT IN:	HDBaseT signal input
3. HDMI OUT:	HDMI signal output to connect with HDMI display device
4. IR IN:	IR signal input to connect with IR receiver extension cable
5. IR OUT:	IR signal output to connect with IR blaster extension cable

5.3 LED indicators working status



1. Lights when power is on
2. Lights when Transmitter and Receiver are connected
3. Lights when Receiver and display are connected

6. Installation procedures

6.1 Required CAT5E/6 network cable: Follow the standard of IEEE-568B:

1	white and orange	4	blue	7	white and brown
2	orange	5	white and blue	8	brown
3	white and green	6	green		

6.2 Connections