HDMI over Single Cat5e/6 Cable
With 2 Way IR Extender – AC1732

User manual

■ Introduction

The HDMI extender over a single Cat5e/6 cable with IR control, allows you to use your existing Cat5e/6 cables to transfer 1080P HD video and new lossless compressed digital audio with a bandwidth up to 165MHz. It also allows you to use your existing remote to control your device through an IR emitter at the receiver end of the signal (where the display device is, such as a TV).

■ Features

1. Compliant with HDMI 1.3b, HDCP 1.1 and DVI 1.0 standards.

2. Supports digital video format up to 1080p and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) Digital audio

3. Equalises and recovers incoming TMDS data before re-transmitting it in high quality, regardless of the incoming signal quality.

4. Supports HDMI1.4 with 3D function.

5. Dual IR control system, IR transport channel can be forward or backward.

■ Package

1. HDMI Transmitter   1pcs

2. HDMI Receiver   1pcs

3. IR Emitter cable   1pcs

4. IR Receiver cable   1pcs

5. 5V DC 1Amp Power Supply Adaptors   2 Pcs

6. Product Manual   1pcs

■ Specifications

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Support Resolution	480i /480P/720P/1080i/1080p 50/60Hz
HDMI Transmitter ports	1 x HDMI, 1x IR TX, 1x IR Rx, 1xCat5e/6
HDMI Receiver ports	1 x HDMI, 1x IR TX, 1x IR Rx, 1xCat5e/6
Power Supply	5VDC 1Amp
ESD Protection Human body model	±8kV (air-gap discharge),
	±4kV (contact discharge)
Dimension	100(L) x 65(W) x 25(H) mm
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20 ~ 90% RH (Non-condensing)

- **Connect and Operate**

1. Connect the signal source such as Blu-ray players, Gaming consoles, Pay TVs, cable or satellite receivers and computers that have a HDMI output with a short HDMI cable no longer than 5m to the HDMI socket on the transmitter unit.

2. Connect the transmitter to the receiver by using a single Cat5E or Cat6 UTP (Unshielded Twisted Pair) cable that is terminated with an RJ45 plug. It is strongly recommended to use Cat6 cable to achieve 50m.

3. Connect the HDMI output socket from the receiver to the HDMI input socket of any high-definition display devices such as LCD, DLP or HD projectors with a short HDMI cable, no longer than 5m.

4. Plug in the IR receiver into the RX socket/port on the Receiver. Have the IR emitter plugged into TX socket/port the transmitter and point it towards the signal source (Blu-ray player, Gaming consoles, and Pay TV boxes etc). Please refer to page 6 for set up.

5. Select the EDID (Extended display identification data) switch on the transmitter unit to 2D for normal application regardless of the resolution and only switch it to 3D when the signal source is using 3D formats.

6. Select the EQ (Equalisation) switch on the receiver to:

    a. LOW when the Cat5E/Cat6 cable that used to link in between the transmitter/sender and receiver is 0-20 meters long

    b. HIGH when the Cat5E/Cat6 cable that used to link in between the transmitter/sender and receiver is 20-50 meters long

IMPORTANT:

- Cat6 cable is recommended for optimal performance of this unit. Cat5e can be used though transmission distance will be limited.

- Never attempt to open, repair or modify any part of this unit or its accessories.

- Never get any part of the device or its accessories wet.

■ **Set up guide for IR/Remote control extension.**
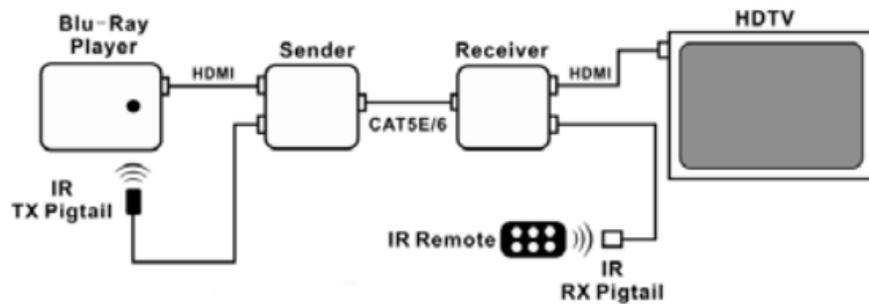
■ Set up guide for HDMI transmitter/sender and receiver