HDMI Extender over Single CAT6



User Manual

VER 1.0

Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect andextend the life of your equipment.

Table of Contents

1. Introduction..... 1
2. Features..... 1
3. Package Contents.....2
4. Specification..... 2
5. Operation Controls and Functions..... 3
   5.1. Transmitter Panel.....3
   5.2. Receiver Panel.....4
6. Application Example.....4

1. Introduction

The HDMI Extender over Single Cat6 extends high definition video and audio signals, at a distance of up to 131ft/40m over a single Cat6 cable. With only one cost effective Cat6 cable, high definition sources with HDMI outputs can be connected to high definition displays with HDMI inputs over long distances. High definition video, DTS-HD or Dolby TrueHD audio is supported and compatible with the extender. The extender includes two units: transmitting unit and receiving unit. The transmitting unit is used to capture the HDMI input signals and carries the signals via one cost effective Cat6 cable. The receiving unit is responsible for equalizing the transmitted HDMI signal. The extender offers the most convenient solution for HDMI extension over a single Cat6 with long distance capability, and is the perfect solution for any application.

2. Features

☆ HDMI 1.4, HDCP 1.4 compliant
☆ Supports resolution up to 1080p@60Hz
☆ Dolby True HD, DTS-HD Master Audio 7.1CH digital audio supported
☆ Supports video bandwidth up to 1.65Gbps
☆ POC (Power Over Cable) function is supported, the TX is powered by Micro USB 5V/1A power supply, the another does not need power supply.
☆ Supports the dial switch to change extender distance at receiver end. When the switch dial to the left distance between 65ft/20m and 131ft/40m, and the right distance between 1.64ft/0.5m and 65ft/20m.

☆ Supports resolution up to 1080p@60Hz, the transmit distance up to 131ft/40m via Cat6a/Cat7 and transmit distance up to 115ft/35m via Cat6.

3. Package Contents

① 1× HDMI Extender over Single CAT6 Transmitter
② 1× HDMI Extender over Single CAT6 Receiver
③ 1× Micro USB Cable
④ 1× User Manual
⑤ 1× USB Power adapter (US standard, 5V/1A)

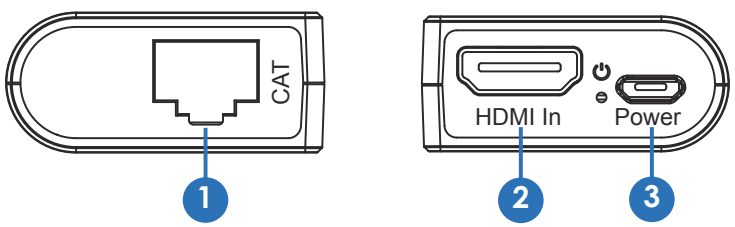
4. Specifications

Technical	
HDMI Compliance	HDMI 1.4
HDCP Compliance	HDCP 1.4
Video Bandwidth	1.65Gbps
Video Resolution	1080p@60Hz
Color Space	RGB/YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	8-bit
HDMI Audio Formats	Dolby True HD DTS-HD Master Audio 7.1CH
ESD Protection	Human body model — ±8kV (Air-gap discharge) &±4kV (Contact discharge)
Connections	
Transmitter	Inputs: 1x HDMI Type A [19-pin female] 1x 5V/1A [Micro USB] Outputs: 1x CAT [RJ45]
Receiver	Inputs: 1x CAT [RJ45] Outputs: 1x HDMI Type A [19-pin female]
Mechnical	
Housing	Plastic Enclosure
Color	Black

Dimensions	RX/TX: 64.4mm[W] x 37.5mm[D] x 16.5mm[H]
Weight	RX: 22.5g, TX: 22.3g
Power Supply	Micro USB 5V/1A
Power Consumption	1.6W
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

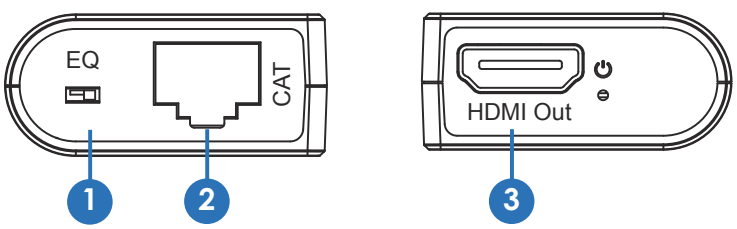
5. Operation Controls and Functions

5.1 Transmitter Panel



Number	Name	Function description
1	CAT	Connect the receiver with CAT6 cable.
2	HDMI In	Connect to HDMI source device such as Blu-ray or PS4 player.
3	Power	Connect 5V/1A Micro USB to AC wall outlet or input source device for power supply.

5.2 Receiver Panel



Number	Name	Function description
1	Dial switch	Through the dial switch to change extender distance. When the switch dial to the left distance between 65ft/20m and 131ft/40m, and the right distance between 1.64ft/0.5m and 65ft/20m.
2	CAT	Connect the transmitter with CAT6 cable.
3	HDMI Out	Connect to HDMI display device such as TV or Projector.

6. Application Example

