50m 1080P HDMI Extender

HDEX40-L



User Manual

AV Access

Introduction

Overview

HDEX40-L is a 50m 1080P cost-effective HDMI extender, and offers the extension of full HD video, 2CH audio and IR pass through up to 50m/164ft along a single Cat X cable. With a feature set including transmission of uncompressed 1080p HD video@60Hz, stereo audio, one-way IR pass through and PoC (Power over Cat X cable). With the PoC inside, the receiver can be powered by transmitter without additional power adaptor. The Receiver offers manual EQ DIP settings to adjust transmissions by distance for optimal signal delivery to the display.

Features

- Simple and cost-effective HDMI Extender.
- Uncompressed 1080P/60Hz up to 50 meters over Cat 6/6a/Cat 7 cable.
- Uncompressed 1080P/60Hz up to 40 meters over Cat 5e cable.
- HDMI 1.3b and HDCP 1.4 compliance.
- Independent HDMI equalization adjustment button on receiver.
- Compact size for easy installation.

Package Contents

Before you start the installation of the product, please check the package contents:

- Transmitter x 1
- Receiver x1
- Power Adapter (DC 5V 1A) x1
- IR Emitter x1
- IR Receiver (30 KHz ~ 50 KHz) x1
- Mounting Brackets (with Screws) x 4
- User Manual x 1

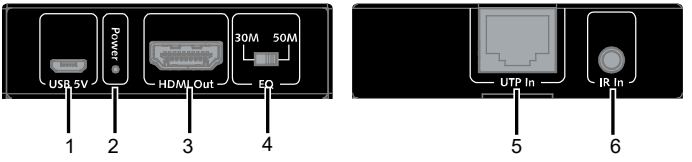
Panel

Transmitter



No.	Name	Description
1	DC 5V	Connect to the power adapter provided. The receiver can be powered by transmitter.
2	Power LED	**ON:** The transmitter is powered on. **OFF:** The transmitter is powered off.
3	HDMI In	Connect with HDMI source device
4	UTP Out	Connect to the receiver via Cat X cable.
5	IR Out	Connect to the IR emitter cable provided.

Receiver



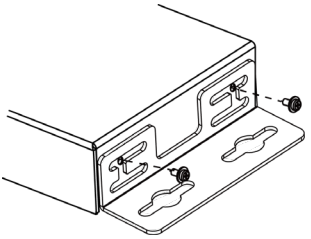
No.	Name	Description
1	USB 5V	Connect to power source to supply power for the receiver through this port.
2	Power LED	**ON:** The receiver is powered on. **OFF:** The receiver is powered off.
3	HDMI Out	Connect an HDMI display.
4	EQ	**Manual EQ DIP Switch:** adjust the maximum transmission distance to 30m or 50m manually. **30m:** The length of Cat X cable connected is less than or equal to 30m; **50m:** The length of Cat X cable connected is more than 30m and less than or equal to 50m;
5	UTP In	Connect to transmitter via Cat X cable.
6	IR In	Connect to IR receiver cable provided.

Installation and Application

Brackets Installation

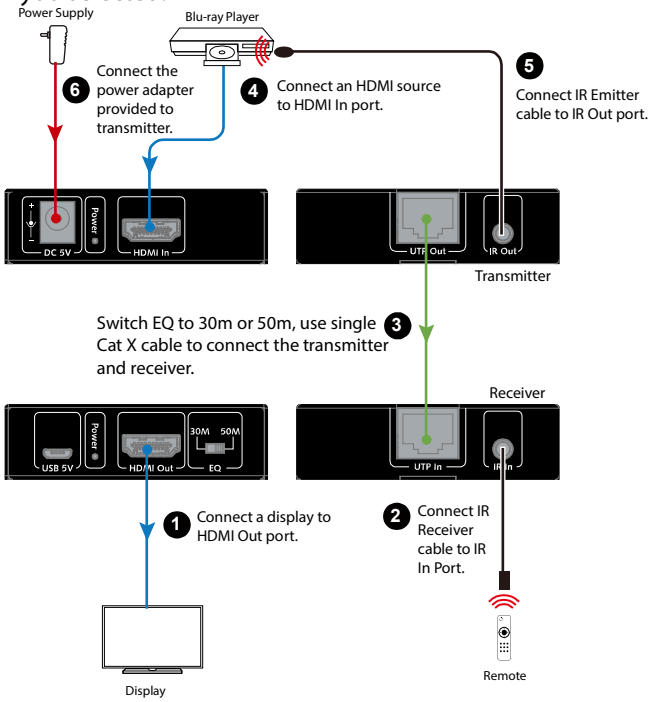
Note: Before installation, please ensure the kit is disconnected from the power source.

1. Attach the installation bracket to the enclosure using the screws that were provided in the package separately. The bracket height can be adjusted up/down or bracket face up or down. As shown in the following figure:
2. Attach the brackets to the surface you want to hold the transmitter/receiver against using the screws (provided by others).



Application

Note: Make sure Cat X cable is no more than 30 or 50 meters according to EQ switch you selected.



Specifications

Technical	
Video Signal Type	HDMI 1.3b with HDCP 1.4
Input/Output Resolution Support	1920x1080i[8], 1920x1080P[8], 1280x720P[8], 720x568P[8], 720x568i[8] ,720x480P[8], 720x480i[8] 8 = 60 Hz
Audio Format Supported	PCM 2.0
Max Data Rate	6.75 Gbps

General	
Operating Temperature	0°C to + 45°C (32 to + 113 °F)
Storage Temperature	-20 to +70°C (-4 to + 158 °F)
Humidity	20% to 90%, non-condensing
Power Consumption (Maximum)	2.5W (pair)
Device Dimensions (W x H x D)	70 mm ×20 mm ×70.2 mm/ 2.75'' x 0.79'' x 2.76''
Product Weight	Transmitter/Receiver: 0.2kg/0.44lb

Transmission Distance

Note: We recommend the use of T568B straight-through Category cables.

Cable Type	Range	Supported Video
HDMI	Input/Output: 5m/16ft	1080P@60Hz
Cat 5e	40m/131ft	1080P@60Hz
Cat 6/6a/7	50m/164ft	

Warranty

Products are backed by a limited 1-year parts and labor warranty. For the following cases AV Access Technology Limited shall charge for the service(s) claimed for the product if the product is still remediable and the warranty card becomes unenforceable or inapplicable.

1. The original serial number (specified by AV Access Technology Limited) labeled on the product has been removed, erased, replaced, defaced or is illegible.
2. The warranty has expired.
3. The defects are caused by the fact that the product is repaired, dismantled or altered by anyone that is not from an AV Access Technology Limited authorized service partner. The defects are caused by the fact that the product is used or handled improperly, roughly or not as instructed in the applicable User Guide.
4. The defects are caused by any force majeure including but not limited to accidents, fire, earthquake, lightning, tsunami and war.
5. The service, configuration and gifts promised by salesman only but not covered by normal contract.
6. AV Access Technology Limited preserves the right for interpretation of these cases above and to make changes to them at any time without notice.

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