

**WOXCON**

# **User Manual**

**CE-EX60**

**HDMI Extender over Cat5e/6**

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**Version: CE-EX60\_2017V1.2**

### Statement

Thanks for purchasing this product, please read this user manual carefully before using this product. The functions described in this version are updated till June 19, 2017. In the constant effort to improve our product, we reserve the right to make functions or parameters changes without notice or obligation.

### Safety Precaution

- Do not dismantle the housing or modify the module to avoid electrical shock or burn.
- Using supplies not meeting the products' specifications may cause damage, deterioration or malfunction.
- Do not expose the unit to rain, moisture or install this product near water.
- Install the device in a place with fine ventilation.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit.
- Always unplug the power to the device before cleaning.
- Unplug the power when not used for a long period of time.
- Refer all servicing to qualified service personnel.

### After-sales Service

We provide limited warranty for the product within three years.

## **Introduction**

The CE-EX60 extends HDMI signal between Transmitter and Receiver over CATx cable. It supports 1080p@60Hz video signals up to 55m including embedded multi-channel audio and HDCP1.4.

Built-in EDID make this product compatible with most display and source device, to ensure HDMI transmission.

Advanced power design (PoC) allows this product to be powered at Transmitter, and only one power supply is required. In addition, the CE-EX60 send/receive IR signals each other over the same CATx cable with IR pass through.

## **Features**

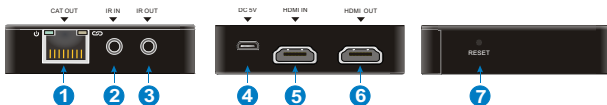
- Supports HDMI1.4, HDCP1.4 compliant.
- Supports built-in EDID to ensure HDMI signals transmission from source to display.
- The transmission of 1080p@60Hz (max) signal is up to 55m.
- Supports bidirectional IR pass-through.
- Supports PoC, the Receiver can be powered via Transmitter.

## **Package Contents**

- |                               |                       |
|-------------------------------|-----------------------|
| ▪ 1 x CE-EX60T                | ▪ 1 x CE-EX60R        |
| ▪ 1 x Power Adaptor (5VDC 1A) | ▪ 2 x Velcro Tape     |
| ▪ 1 x IR Receiver (5V)        | ▪ 1 x IR Emitter (5V) |
| ▪ 1 x User Manual             |                       |

### Panel Description

#### Transmitter (TX)



① CAT OUT: RJ45 connector with Green& Yellow indicators. Connect to Receiver over CATx cable.

The Green indicator lights up when powered on.

The Yellow indicator lights up when linked successfully between Transmitter and Receiver.

② IR IN: Connect with IR Receiver.

③ IR OUT: Connect with IR Emitter.

④ DC 5V: Micro USB, connect to the power adaptor.

⑤ HDMI IN: Connect to HDMI source.

⑥ HDMI OUT: HDMI loop output, connect to display.

⑦ RESET: Reboot.

#### Receiver (RX)



① CAT IN: RJ45 connector with Green& Yellow indicators. Connect to Transmitter over CATx cable.

- ② IR IN: Connect with IR Receiver.
- ③ IR OUT: Connect with IR Emitter.
- ④ HDMI OUT: Connect to display.
- ⑤ EQ SETTING: After the system is connected, press this button three to six times repeatedly until the best image output. When the cable, source, or display is changed, or reset the output resolution, it is need to press this button repeatedly to ensure the best image.

## Specifications

	Transmitter	Receiver
Input	(1) HDMI	(1) CAT
Input Connector	(1) 19-pin type-A female HDMI	(1) RJ45
Output	(1) HDMI; (1) CAT	(1) HDMI
Output Connector	(1) 19-pin type-A female HDMI; (1) RJ45	(1) 19-pin type-A female HDMI
Control	(1) IR IN; (1) IR OUT	(1) IR IN; (1) IR OUT
Control Connector	(2) 3.5mm mini jacks	(2) 3.5mm mini jacks
General		
Transmission Distance	1080p@60Hz≤55m	
HDMI Standard	HDMI1.4, HDCP1.4 compliant	
EDID Management	Built-in EDID	

Power Supply	Input: 100VAC~240VAC, 50/60Hz; Output: 5VDC 1A
Power Consumption	4W (Max)
Work Temperature	-10~55℃
Relative Humidity	10%-90%
Dimensions (W*H*D)	66mm x 16.8 mm x66 mm
Weight	Transmitter: 36g; Receiver: 38g;

### Connection Diagram

