



HDMI Extender

User Manual

Model : HE01SE

HDMI CAT5e Extender-Single CAT5e cable 1080p 40M



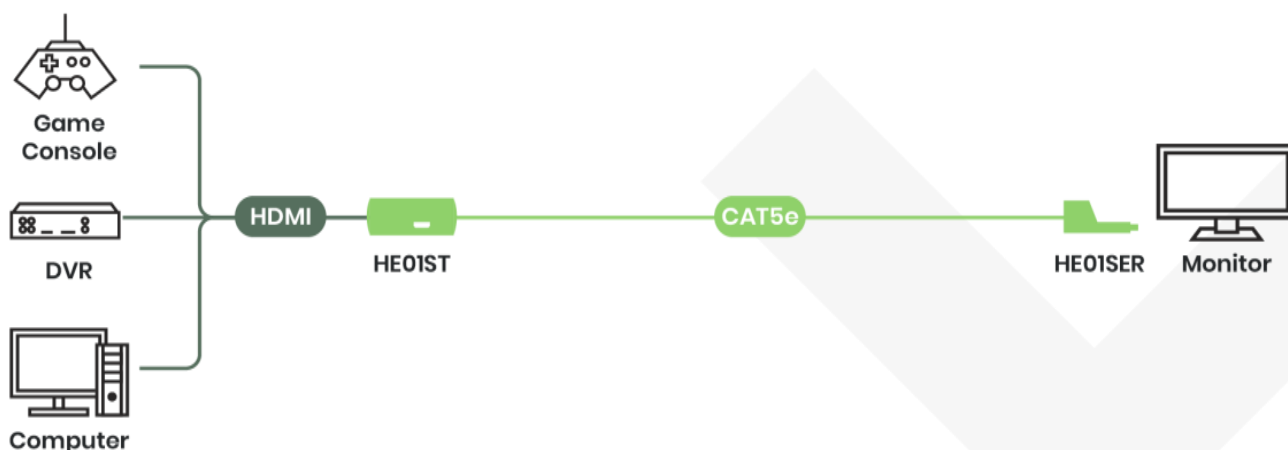
Introduction

HE01SE is an HDMI extender that uses an Ethernet cable to extend HDMI signal with transmission distance up to 70 meters and resolution up to 1080p. The Tx unit has a built-in EDID auto backup function that can save desired resolution and restore it whenever. The RX unit has a built-in HDMI connector that allows the receiver to directly connect to an HDMI display without any external power required.

Features

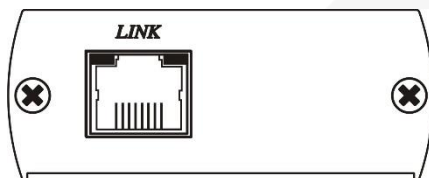
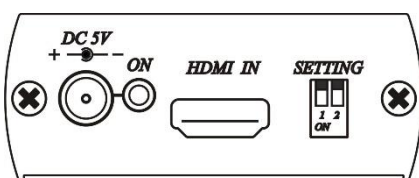
- Resolution up to 1080p.
- Signal extension up to 50M.
- No external power required for RX unit.
- Supports EDID management.

Installation View



Panel View

HE01ST



HE01SER



LED Indication

HE01ST Transmitter Unit	
Blue ON	Power ON
Flash	TV EDID backup completed
HE01SER Receiver Unit	
GREEN ON	Sending power or video to receiver unit
YELLOW ON	No data input or unsupported video format
RJ45 Connector LED	
GREEN ON	Sending power or video to receiver unit
YELLOW ON	No data input or unsupported video format

EDID Setup

Use default EDID:

Move DIP switch 1 off ↑

Move DIP switch 2 off ↑ Select the first default EDID: support 1080i / LPCM 2 Channel.

Move DIP switch 2 on ↓ Select the second default EDID: support 1080p / LPCM 5.1 Channel.

Use external EDID:

1. Move DIP switch 1 on ↓, HE01ST unplug the power.
2. HE01ST connect to HDMI connector of TV for auto backup.
3. Plug the power for HE01ST, TV EDID back up completed (Blue Power LED keep flash).
4. After complete TV EDID backup, HE01ST power must be reset (unplug and plug) to activate the new EDID.

Dip Switch function

1. ↑ Use the default EDID.
↓ Use the backup TV EDID.
2. ↑ Select the first default EDID: Support 1080i / LPCM 2 Channel.
↓ Select the second default EDID: Support 1080p / LPCM 5.1 Channel.

After complete Dip Switch setting, power must be reset (Unplug and plug) to activate the new EDID.

Cable

Link cable using high quality CAT5e UTP or CAT6 UTP cable.

CAT6 cable is recommend based on distance over 30 meters.

Do not use STP cable which caused no picture.

Transmission Distance

The transmission distance will be affected from different HDMI equipment and cable quality. Lower resolution and good quality cable could extend longer distance up to 100 meters.

Resolution	Cable	Distance (Meters)
1080p	CAT5e	40
1080p	CAT6	45
1080i,720p	CAT5e	60

RJ45 Define

TIA/EIA-568-B	
Orange-white	TMDS DATA2 +
Orange	TMDS DATA2 -
Green-white	TMDS CLOCK + / HDMI 5V
Blue	TMDS DATA1 +
Blue-white	TMDS DATA1 -
Green	TMDS CLOCK - / HDMI 0V
Brown-white	TMDS DATA0 +
Brown	TMDS DATA0 -

Caution

1. The cabling must away from any equipment with electromagnetic wave, such as microwave ovens, mobile phones, radio equipment, power lines.
2. Our HDMI CAT5E Extender not networking product, please do not connect with any Ethernet to avoid any damage.

Specification

ITEM NO.	HE01ST	HE01SER
Support		
Compliance	HDMI 1.3, HDCP, 3D	
Max. Video Resolution	1080p@60Hz	
Max. Transmission Distance	60M at 1080i, 40M at 1080p	
Video Bandwidth	2.25 Gbps	
Ports & Interfaces		
Video Input	1 x HDMI Type A Female	1 x RJ45
Video Output	1 x RJ45	1 x HDMI Type A Female
Power		
Power Supply	DC 5V 1A	
Power Consumption	600mA	
Ambient Temperature		
Operation	0 to 55°C	
Storage	-20 to 85°C	
Humidity	up to 95%	
Physical Characteristics		
Dimensions	67 x 91 x 27mm	57.5 × 24 × 20.2mm
Weight	140g	20g