



HDMI Extender

# User Manual

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Model : HE01SL

HDMI CAT5e Extender with Chainable Receiver



## Introduction

HE01SL is an HDMI extender that can extend HDMI signal with resolution up to 1080p and transmission distance up to 70M. It also has a loop-out port at RX unit for daisy chain that can get multiple HDMI outputs by repetitively connecting with the chainable RXs.

## Features

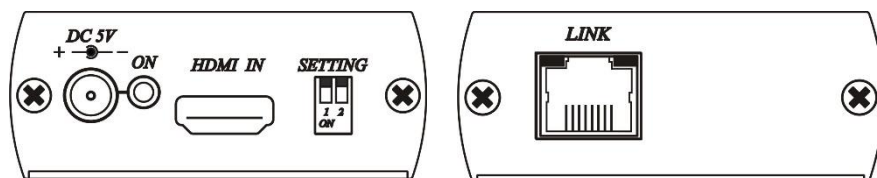
- Resolution up to 1080p@60Hz.
- Signal extension up to 70M over CAT5e (or greater) cable.
- Built-in Loop out for an extra local display or daisy chain for longer distance.

## Installation view



## Panel view & Function

### HE01ST



### 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.

## Transmitter Unit LED Indication

BLUE	ON	Power on
	Flash	TV EDID backup completed

## RJ45 Connector LED

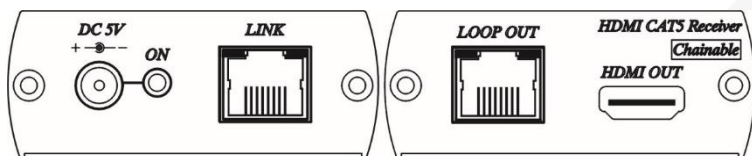
GREEN	ON	Sending power or video to receiver unit
YELLOW	ON	No data input or unsupported video format

## Dip Switch function

- ↑ Use the default EDID.  
↓ Use the backup TV EDID.
- ↑ 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.

## HE01SLR



## HE01SLR Receiver Unit LED Indication

BLUE	ON	Using external power adapter
GREEN	ON	Power and HDMI signal received from transmitter unit
YELLOW	ON	No data input or signal too weak

## 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.

HE01ST to HE01SLR	
Resolution/Cable	Distance (Meter)
1080p/CAT5e	30
1080p/CAT6	35
1080i,720p/CAT5e	60

## RJ45 Define

### Video Link (use TIA/EIA-568-B)

1. Orange-white	TMDS DATA2 +
2. Orange	TMDS DATA2 -
3. Green-white	TMDS CLOCK + / HDMI 5V
4. Blue	TMDS DATA1 +
5. Blue-white	TMDS DATA1 -
6. Green	TMDS CLOCK - / HDMI 0V
7. Brown-white	TMDS DATA0 +
8. 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	HE01SLR
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	1 x RJ45
Video Output	1 x RJ45	1 x HDMI Type A, 1 x RJ45
Power		
Power Supply	DC 5V 2A	DC 5V21A
Power Consumption	600mA	1150mA
Ambient Temperature		
Operation	0 to 55°C	
Storage	-20 to 85°C	
Humidity	up to 95%	
Physical Characteristics		
Dimensions	67 x 91 x 27mm	67 x 110 x 27mm
Weight	140g	160g