

HDMI CAT5 Extender Over Single cable Series

ITEM NO.: HE01ST, HE01SLR



The HDMI CAT5 Extender is using only one cost effective CAT5E/6 cable to extend your HDTV display up to 60 meters at 1080i and 30 meters at 1080p. It is equipped with HDMI connectors and also supports DVI equipment with allowing used with a HDMI to DVI adapter. It provides an easy and flexible cabling solution for integrating home theater components.

HE01ST HDMI CAT5 Extender – Single CAT5e cable Transmitter unit

- Extends HDMI signal over one CAT5e/6 cable.
- **HDMI 1.3 compliant, 3D capable.**
- Built in auto equalization for easy plug and play.
- Transmitter unit built in EDID backup function.
- **HDCP compatible.**

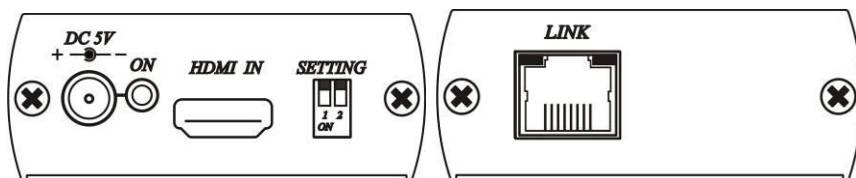
HE01SLR HDMI CAT5 Receiver – Chainable Function

- Work with HE01ST as receiver for extra remote HDMI display equipment.
- Built in Loop out, could be daisy chained for another HE01SLR to extended working range and multiple displays.
- Built in auto equalization, retiming, pre-emphasized for optimum performance.
- Transmission range up to 70M at 1080i, 30M at 1080p resolution.

HE01SL (HE01ST+HE01SLR)



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:

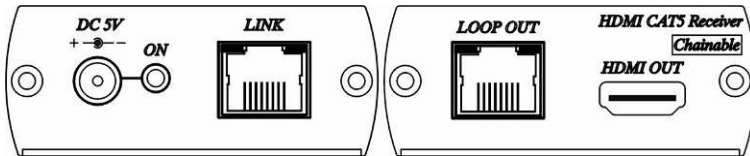
GREEN ON **Sending power or video to receiver unit**
YELLOW ON **No data input or unsupported video format**

Dip Switch function:

- 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.**

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
Video Bandwidth	2.25 Gbps (HDMI 1.3)
Resolution	480i/p, 720p, 1080i/p @ 24/50/60Hz
Link Cable Distance	CAT5e 60M @1080i, CAT5e 40M @1080p
Input TMDS Signal	1.2 volts peak to peak
Input DDC Signal	5 Volts peak to peak
HDMI Connector	HDMI 19 pin type female connector
Link Connector	RJ-45 Shielded with 2 indication LEDS
Power Supply	DC5V 2Amp
Power Consumption	1200mA (Max)
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%
Dimensions mm	67 x 91 x 27
Weight g	140

ITEM NO.	HE01SLR
Resolution	480i/p, 720p, 1080i/p @ 24/50/60Hz
Distance	Cat.5e 60M @1080i, Cat.5e 30M @1080p
HDMI Connector	HDMI Type A
Link Connector	RJ-45
Loop Out Connector	RJ-45
Power Supply	DC5V 2Amp
Power Consumption	1150mA (Max)
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%
Dimensions mm	110 × 67 × 27
Weight g	160



Rev. C