



# 4K120Hz HDMI Extender with IR User Manual



04-1410A

P/N: CE-H27L11-S1

## Features

- Supports up to HDMI 4K@120 4:4:4 8bits HDR
- Supports HDCP 2.3, 2.2 & 1.4
- Extend 4K@120Hz video up to 132ft/40m through a Cat6/6a/7 UTP cable
- Supports digital stream conversion (DSC) function and compatible with the DSC 1.2a
- Supports data transfer rate up to 8Gbps per channel (32Gbps all channels)
- TMDS clock can be up to 800MHz
- Supports 12bit per channel deep color
- Supports Build-in EDID & Bypass EDID
- HDMI Audio Format: PCM 2/5.1/7.1, DTS 5.1/7.1 Dolby 5.1/7.1 & Atmos (need to select TV EDID)
- Supports bi-directional IR passback (20-60KHz)
- Lightning Protection, Surge Protection, ESD Protection

## Package Contents

- Transmitter & Receiver
- Power Adapter DC 12V/1A x2
- IR Blaster Cable
- IR Receiver Cable
- User Manual

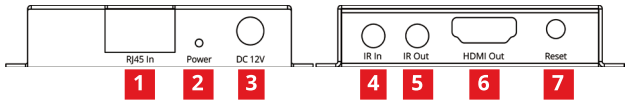
# Layout

## Transmitter (TX)



1. **EDID Switch:**  
**STD:** Build-in EDID 4K@120Hz, PCM 2ch  
**TV:** Bypass Display EDID to the video source
2. **RJ-45:** Connect to Receiver with Cat6 UTP cable
3. **Power LED:** Turn blue when power on
4. **Power Jack:** DC 12V/1A
5. **IR In:** Connect with IR receiver extension cable, please make sure the remote control used is within the effective range
6. **IR Out:** Connect with IR blaster extension cable, please get closer to the source device while using
7. **HDMI Input:** Connect to HDMI source
8. **Reset Button:** Press to restart the device

## Receiver (RX)



1. **RJ-45:** Connect to Transmitter with Cat6 UTP cable
2. **Power LED:** Turn blue when power on
3. **Power Jack:** DC 12V/1A
4. **IR In:** Connect with IR receiver extension cable, please make sure the remote control used is within the effective range
5. **IR Out:** Connect with IR blaster extension cable, please get closer to the source device while using
6. **HDMI Output:** Connect to HDMI display
7. **Reset Button:** Press to restart the device

### Note:

- We recommend CAT6/6a/7 UTP cable with 100% copper wiring and IEEE-568B wiring standard.
- We recommend HDMI cable do not over 16ft/5m.

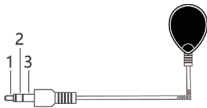
## EDID

- **STD:** Build-in EDID support resolution up to 4K@120Hz, Audio channel only supports PCM 2ch.
- **TV:** Bypass Display EDID, Resolution & Audio channel will be use the connected Display spec.

## Support Resolution

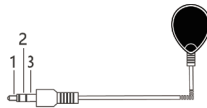
- 480i, 480p, 576i, 576p, 720p
- 1080p@60Hz, 4K@60Hz, 4K@120Hz

## IR Cable



IR blaster

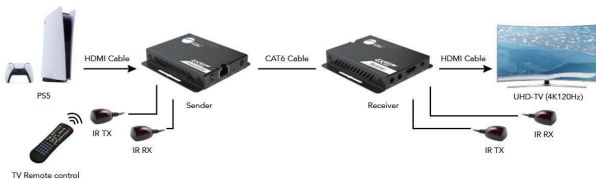
1. Power
2. IR Signal
3. Null



IR receiver

1. Power
2. IR Signal
3. Grounding

## Application



## Q & A

### Q: Why the Power LED is off?

- Please check if the power supply is connecting well and the output voltage value is correct as recommended 12V/1A.

### Q: Why no sound or sound issues?

- Please check if the HDMI cables are connecting well; if the audio format is supported by the displays, customers can change to the supported audio format or the player's audio output is setting HDMI audio output or not.

**Q: Why is the output image unstable?**

1. Check whether the length of the UTP cable connected from TX to RX is within 132ft/40m.
2. The length of HDMI cable is recommended to be  $\leq 16\text{ft}/5\text{m}$ .
3. Press the "reset" button on TX and RX panels to restart and reconnect.

**Q: Why I can't use Dolby Atmos or Digital audio?**

1. Please confirm your display support Dolby Atmos or Digital audio.
2. Check the EDID switch is selected to TV position
3. Please check your video source is select to use Dolby Atmos or Digital audio.

**Dear Valued Customer**

**WE REALLY  
APPRECIATE  
YOUR PURCHASE**

***~thank you~***

**Support**

For more info or tech support

**<http://www.siig.com/support>**

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