

70M/100M HDBaseT Extender



4K
ULTRA HD

User Manual

VER: V5.0

Introduction

This product using the next-generation connectivity technology HDBaseT™, it uses no delay, no compression transmission technology, support 1080P@60Hz extend 100m over Cat6, and 4K@60Hz extend 70m over Cat6, otherwise pass-thru RS232 and IR. It can be connected to other standard HDBaseT device. Widely used in home theater, exhibition display and commandcenter, etc.

Features

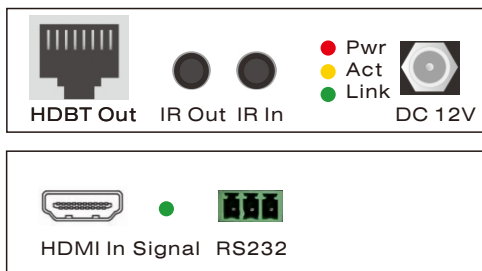
- Support HDMI2.0&HDCP2.2, or HDMI1.4&HDCP1.4.
- Support 3840x2160@60Hz 4:2:0, 3840x2160@30Hz 4:4:4, 1920*1200@60Hz, 1920x1080@60Hz.
- Transmitter 10.2Gbps HDMI signal, IR and RS232 over one Cat6 cable.
- Support 7.1 channel and LPCM, Dolby TrueHD, DTS-HD Master Audio.
- Support EDID&HDCP pass-thru.
- Support RS232 pass-thru, baud rate: 110~115200bps.
- Easy installation.
- No compression, no delay.
- Support POC single-end power supply.

Package list

- | | |
|------------------|--------------------------|
| ● 1x Sender | ● 2x Rs232 connector |
| ● 1x Receiver | ● 1x 12V 1A power supply |
| ● 1x User manual | |

Interface

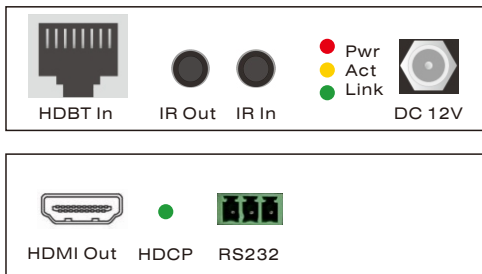
Sender



- **HDBT Out** HDBaseT output, connect to net cable;
- **IR Out** IR output, connect to IR OUT cable;
- **IR In** IR input connect to IR IN cable;
- **Pwr** power light, red, always on;
- **Act** activity light, yellow, one flash a second;
- **Link** link light, green, if sender connected to Receiver, it is always on;
- **DC 12V** Power connector, connect to 12V/1A;
- **HDMI In** HDMI input, connect to HDMI source;
- **RS232** RS232 connector;
- **Signal** Signal light, when signal has HDCP, always on, otherwise flash fast;

Interface

Receiver



- **HDBT In** HDBaseT input, connect to net cable;
- **IR Out** IR output, connect to IR OUT cable;
- **IR In** IR input connect to IR IN cable;
- **Pwr** power light, red, always on;
- **Act** activity light, yellow, one flash a second;
- **Link** link light, green, if sender connected to Receiver, it is always on;
- **DC 12V** Power connector, connect to 12V/1A;
- **HDMI In** HDMI output, connect to HDMI display;
- **Signal** Signal light, when signal has HDCP, always on, otherwise flash fast;
- **RS232** RS232 connector;

Specification

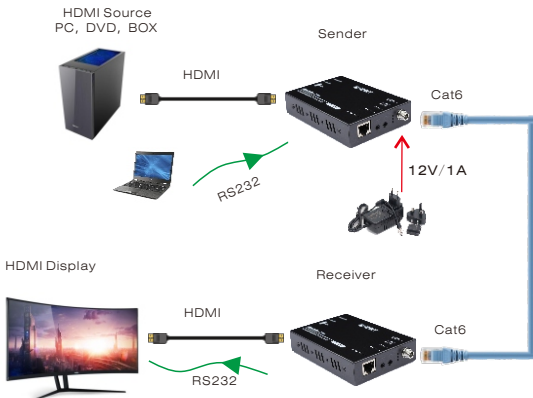
Vedio	Support Resolution	4K*2K@60Hz4:2:0, 1920*1080@60Hz
	Connector	Type A HDMI female
IR	Specification	Support 0~38Khz
RS232	Connector	Phoenix
	Direction	Bidirection
	Baud rate	Max 115200bps
HDBaseT	Connector	RJ45
	Distance	4K*2K@60Hz4:2:0 extend 70m by Cat6
		1920*1200@60Hz extend 100m by Cat6
	Bandwidth	10.2Gbps

Fault analysis

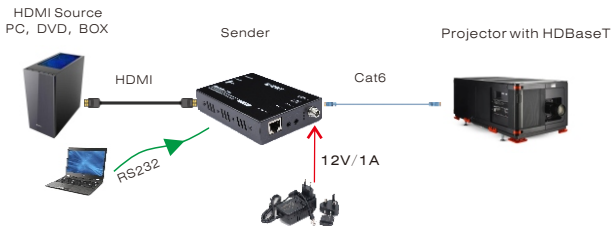
Step	Light	Status
First	PWR	Red, normal: always on; not on: not connect to power supply, or broken; flash: maybe connect to wrong power supply.
Second	ACT	Orange, normal: flash once per second; not on: broken, contact to manufacturer.
Third	LINK	Green, normal: always on after sender connect to receiver by cable; not on or flash: cable issue, check the cable, suggest to using Cat6 cable
Fourth	Signal	Green, normal:always on or flash; not on:no signal input,check the HDMI cable,HDMI source or HDMI display.

Connection

1、Used in pair



2、Single-use



Note:

1、Suggest to using Cat6 cable! !

2、Single-use need to cancel POC, contact to manufacturer! !