

# PRO-SIGNAL



**PSG3081**

**HDMI OVER Cat5e/6/6a/7 EXTENDER**

The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

## IMPORTANT SAFETY INFORMATION

Please read these instructions carefully before use and retain for future reference.

- When using electrical appliances basic safety precautions should always be followed.
- Check that the voltage indicated on the rating plate corresponds with that of the local network before connecting the power supply to the mains power supply.
- Do not expose the units to moisture or dust and keep any ventilation slots clear.
- Do not connect or disconnect cables while powered on and in use.

## OVERVIEW

- HDMI extender using HDBaseT, transmits HD audio and video signal, with infrared remote control for added convenience.
- Extends 1080p video transmission up to 150 meters.

## WHAT'S IN THE BOX

- HDMI Transmitter
- HDMI Receiver
- 12V DC PSU x 2 off
- IR-TX Transmitter
- IR-RX Receiver
- User Manual

## FEATURES

- HDMI 1.3 compatible uncompressed HDMI video signal.
- Apply HDBaseT extend technology.
- Supports ultra HD 4kx2k@60Hz and 1080p signal over Cat6 up to 150 meters.
- Support HDCP, CEC, 24 bit deep colour 3D.
- Support uncompressed LPCM audio and compressed DTS-HD, Dolby True HD.
- Support use of source device remote control when viewing from an out of sight location.
- IR remote function can be used in either direction by switching the IR receiver and transmitters over depending on required location of the controlling remote control.
- Automatically identifies and configures a variety of display modes.
- Simple and convenient plug and play installation, no setting up required.

## INSTALLATION

### Requirements

- An HDMI source device with HDMI OUTPUT interface, DVD, PS3, STB, PC etc.
- A display device with HDMI INPUT port, SDTV, HDTV, projector etc.
- Network cables UTP/STP Cat5e/Cat6/Cat6A/Cat7 network cables, to IEEE-568B.



1	white and orange	4	blue	7	white and brown
2	orange	5	white and blue	8	brown
3	white and green	6	green		

### Connections

- Connect the signal source equipment to the input port of the transmitter using a quality HDMI cable.

- Plug the IR-TX extender into the IR-IN port of the transmitter. Direct the extender head towards the remote control sensor on the source device.
- Connect an HDTV to the receiver output port using a quality HDMI cable.
- Plug the IR-RX extender into the IR-IN port of the receiver. Direct the sender head such that it can receive signals from the remote control for your source device.
- Connect one PSU to the receiver 12V DC socket and connect to the mains supply.
- Connect the second PSU to the transmitter 12V DC socket and connect to the mains supply.
- Power on the signal source and the display.

#### Transmitter Panel Connections



1. HDMI IN: HDMI signal input to connect with HDMI source device.
2. IR IN: IR signal input to connect with IR receiver extension cable.
3. IR OUT: IR signal output to connect with IR sender extension cable.
4. DC12V: Power input.
5. HDBT OUT: HDBaseT signal output.

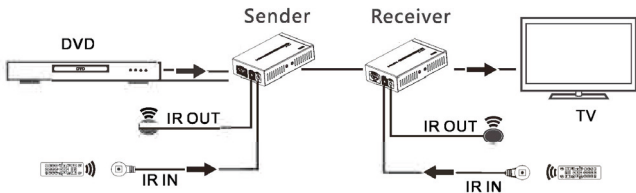
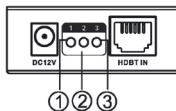
#### Receiver Panel Connections



1. DC12V: Power input.
2. HDBT IN: HDBaseT signal input.
3. HDMI OUT: HDMI signal output to connect with HDMI display device.
4. IR IN: IR signal input to connect with IR receiver extension cable.
5. IR OUT: IR signal output to connect with IR sender extension cable.

#### LED Status

1. Power on indicator.
2. TX/RX connection established.
3. Indicates signal is being transmitted



## MAINTENANCE

- Clean the outside casing with a soft cloth lightly moistened with mild soap and water. Never use any abrasive or solvents.
- Do not allow moisture to enter the casing.

## SPECIFICATIONS

Parameter		Description
Video	Standards	HDMI 1.3, HDCP 1.4, CEC 24bit deep colour
	Resolution supported	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i @50/60Hz, 1080p@50/60Hz,3D, 4KX2K@24/25/30/60Hz
Audio	Standards	LPCM ,DTS-HD, Dolby True HD
Network	Standard Cat5e/Cat6	Cat5e, Cat6, Cat6a, Cat7 supports PoE
Range	Transmission length	150m: UP to 1080P@60Hz 36bpp 70m: 1080p@60Hz 48bpp,1080p@60Hz 3D, 4Kx2K@30Hz/60 Hz
IR	Support 20~60kHz wide frequency devices	Bi-directional IR transmission
Environment	Working temp	0~55°C @ 0~90% humidity
	Storage temp	-10~70°C
Power	Voltage	12V DC @ 2A
	Power consumption	TX: 3.5W RX: 7W
	Weight	TX:79g RX:107g
	Dimensions (W x D x H)	98.5 x 66.5 x 23 mm each unit

CPC Farnell declares that the radio equipment for wireless transmitter/receivers is in compliance with Radio Equipment Directive 2014/53/EU



### INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

When this product has reached the end of its life it must be treated as Waste Electrical & Electronic Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Contact your local authority for details of recycling schemes in your area.

Made in China. PR2 9PP  
PO Box 13362 Dublin 2  
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