

PRO-SIGNAL



HDMI OVER Cat6/6a/7 EXTENDER

PSG3083

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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.
- Ultra HD video and audio transmission range via Cat6 of up to 100 meters.
- Extends 1080p video transmission up to 100 meters.

WHAT'S IN THE BOX

- HDMI Transmitter
- HDMI Receiver
- 12V DC PSU x 2 off
- IR-TX Transmitter
- IR-RX Receiver
- RS232 serial port caps x2 off
- 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 100 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.
- Features RS232 serial bi-direction passback function.

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.



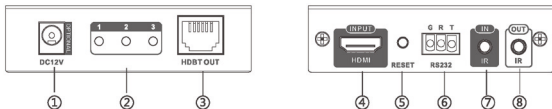
1	white and orange	4	blue	7	white and brown
2	orange	5	white and blue	8	brown
3	white and green	6	green		

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.

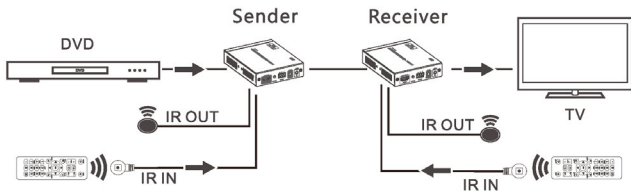
Transmitter Panel Connections



Receiver Panel Connections



1. DC12V: Power input.
2. LED status
 - 1 - Power on indicator.
 - 2 - TX/RX connection established.
 - 3 - Indicates signal is being transmitted.
3. HDBT IN: HDBaseT Network connection.
4. HDMI IN and OUT: HDMI signal connection to source and output devices.
5. IR IN: IR signal input to connect with IR receiver extension cable.
6. IR OUT: IR signal output to connect with IR sender extension cable.



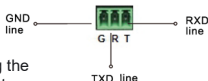
MAINTENANCE

- 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.

RS232 SERIAL BI-DIRECTION PASSBACK FUNCTION.

RS232 serial bi-direction passback function.

- Supports baud rates of 4800, 9600, 19200, 28800, 38400, 57600 and 115200 and all devices must be set to the same rate.
- Check the serial cable connections are as shown here:
- To check or set the baud rate use a serial port test tool set to 115200 and connected to the port before powering the units on. The test tool will report the current baud rate set.
- To adjust the baud rate to one of the above settings use the test tool 'set' command.



SPECIFICATIONS

Parameter		Description
Video	Standards	HDMI 2.0, HDCP 2.2, CEC 24bit deep colour
	Resolution supported	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@60Hz, 1080i @60Hz, 1080p@60Hz, 3D, 4Kx2K@60Hz
Audio	Standards	LPCM ,DTS-HD, Dolby True HD
Network	Standard	Cat6, Cat6A, Cat7, supports PoE
	Transmission length	100m: UP to 1080p@60Hz 48bpp, 1080p@60Hz 3D,4Kx2K@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: 6W RX: 8W
	Weight	TX:240g RX:250g
	Dimensions (W x D x H)	109.5 x 87.0 x 24mm 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.

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