

# PRO-SIGNAL



## HDMI EXTENDER POINT TO POINT PSG3452

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

## **IMPORTANT SAFETY INFORMATION**

*When using electrical appliances basic safety precautions should always be followed.*

- To prevent fire or shock hazard, do not expose this product to rain or moisture.
- Check that the power supply matches the mains voltage.
- Only use the power supply provided or one of identical specification.
- Ensure the IR remote extender cables are connected to the correct devices.
- Beware of static electricity which may damage the device. Use ESD precautions when installing.
- Do not plug or unplug cables while the devices are powered on.

## **WHAT'S INCLUDED**

- HDMI Extender and Receiver
- 2 x Power Adapter 230VAC to 5VDC 1A
- Operation Manual
- IR remote extender
- IR remote receiver

## **FEATURES**

- Supports up to 1080p@60Hz.
- Transmission up to 70 metres using Cat6/6A/7.
- HDMI 1.3 and HDCP 1.4 compliant.

## **CAT CABLE REQUIREMENT**

Follow the standard of IEEE-568B, It is recommended to select a high quality network cable with less loss and crosstalk.

1 orange/white	5 Blue/white
2 orange	6 Green
3 Green/white	7 Brown/white
4 Blue	8 Brown

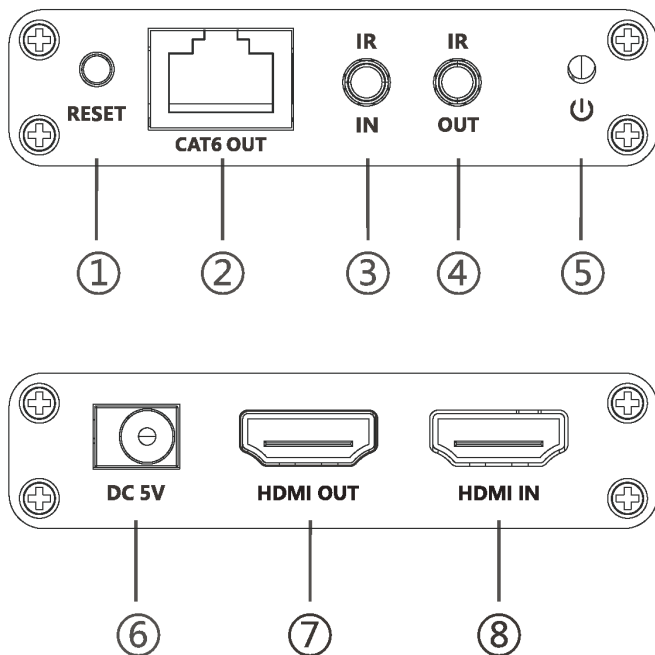


## **OVERVIEW**

- This HDMI Extender allows a signal over a CAT6/6A/7 up to 70 metres.
- IR passback with 20-60KHz frequency to control source device.

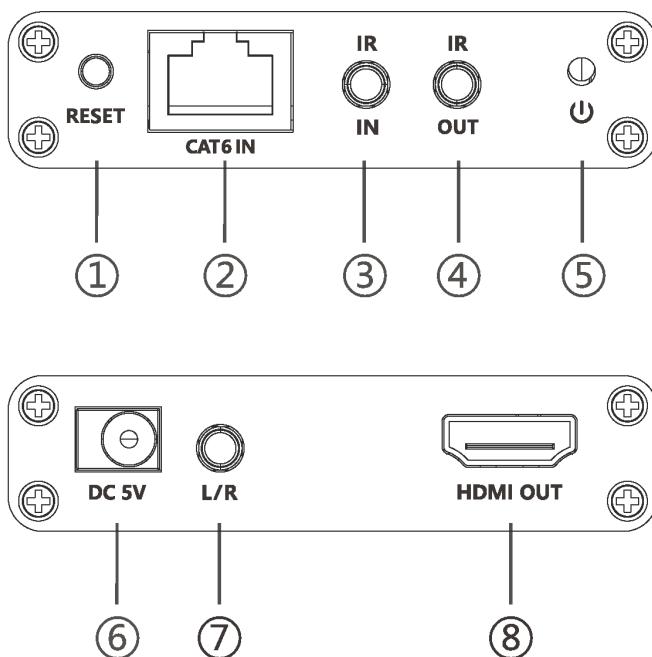
## INSTALLATION

### TRANSMITTER



1. Reset button - press to reset the device.
2. RJ45 signal output - connect CAT network cable.
3. IR extender receiver connection.
4. IR extender emitter connection.
5. Power/transmission LED indicator.
6. DC 5V input - connect supplied 240V mains PSU DC output.
7. HDMI output - connect to a local display monitor.
8. HDMI input - connect to a source device.

## RECEIVER

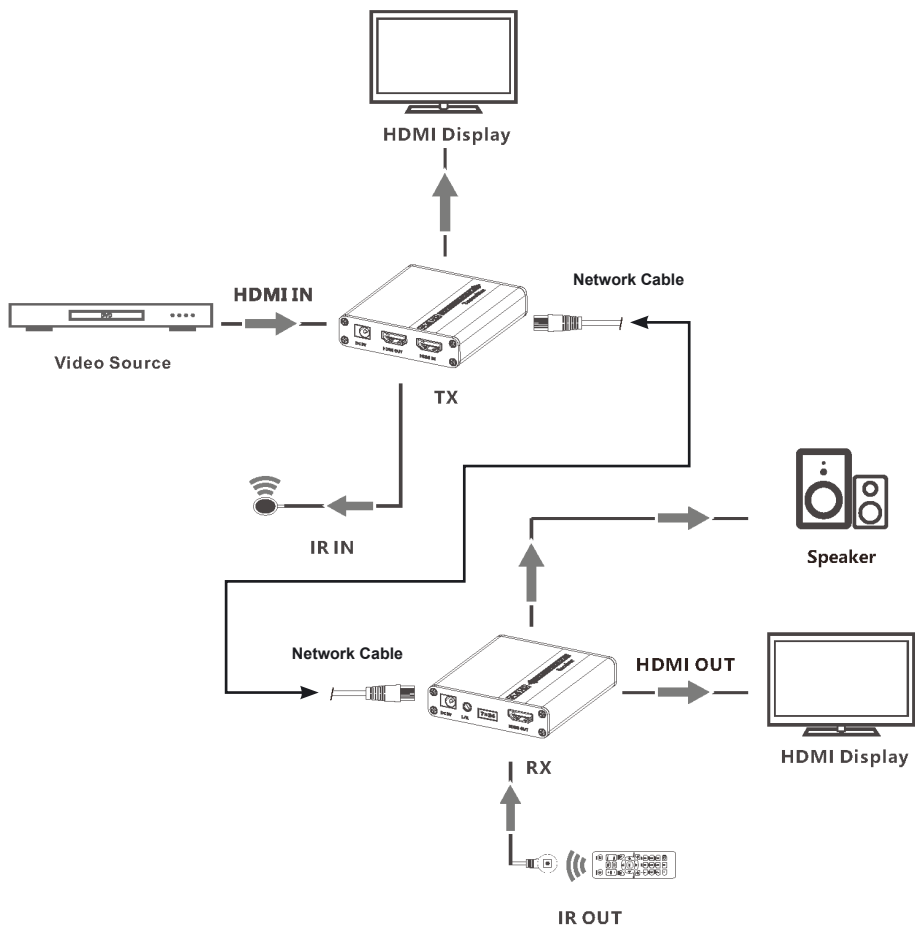


1. Reset button - press to reset the device.
2. RJ45 signal input - connect CAT network cable.
3. IR extender receiver connection.
4. IR extender emitter connection.
5. Power/transmission LED indicator.
6. DC 5V input - connect supplied 240V mains PSU DC output.
7. Audio output - connect using 3.5mm jack to amplifier or headphones.
8. HDMI input - connect to a display device.

## OPERATION

### IR User Guide:

- IR receiver extension cable should be connected to the IR IN port of the receiver.
- The IR emitter extension cable should be connected to the IR OUT port of the transmitter.
- The emitter of the IR extension cable should face as close as possible to the IR receiving window of the source device.
- Face the receiving head of the IR receiver extension cable toward the user for unobstructed line of sight to the remote control.
- The IR receiver detects the users remote control and transmits the signal down the network cable to the IR emitter which replicates the IR output to control the source device.



- One to one connection with IR remote up to 70 metres over HQ CAT6 cable.

## SPECIFICATIONS

Voltage/Current	DC 5V 1A
Power consumption	TX: <2.5W RX: <2.5W
HDMI compliance	HDMI 1.3
HDCP compliance	HDCP 1.4
Video bandwidth	10.2Gbps
HDMI input resolution	800x600, 1024x768, 1280x720 1280x960, 1366x768, 1440x900 1680x1050, 1920x1080, 480i@60Hz 480p@60Hz, 576i@50Hz 576p@50Hz, 720p@50/60Hz 1080i@50/60Hz 1080p@24/25/30/50/60Hz
Supported audio formats	PCM, LPCM, DTS HD, DTS Audio
Input and output TMDS signal	0.7~1.2Vp-p (TMDS)
Input and output DDC signal	5Vp-p (TTL)
Transmission length	CAT5E Transmission 50 meters CAT6/6A/7 Transmission 70 meters
Input/output cable length	<8m (AWG24)
IR remote control	Supports IR passback with 20-60KHz frequency
Transfer method	Over UTP/STP CAT5/5e/6/6A/7
Connector	RJ45
Working temperature	-20~60°C
Storage temperature	-30~ 70°C
Humidity	0~90%RH (no condensation)
Dimension (RX & TX)	80.0(L) x 75.0(W) x 18.0(H)mm
Material	Alloy
Weight	TX & RX 200g each

## **CLEANING & MAINTENANCE**

Clean the outside casing with a soft cloth lightly moistened with mild soap and water. Never use any abrasive or solvents.

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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