

PRO-SIGNAL



HDMI Over Cat5e/6 Range Extender

PSG08050

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

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.
- Beware of static electricity which may damage the device. Use ESD precautions when installing.

WHAT'S INCLUDED

- HDMI sender unit
- HDMI Receiver unit
- 5VDC PSU
- Instruction manual

FEATURES

- One pair as a full functional module, no need of setting up.
- CAT-5e/6 cable can substitute for HDMI cable to achieve greater transmission distance.
- Follows the standard of IEEE-568B.
- Transmission distance can be up to 30 meters for 1080p while using UTP cable with cross strand inside.
- Supports highest video resolution 1080p.
- Supports 165MHz/1.65Gbps per channel (4.95Gbps all channel) bandwidth.
- Supports 8bit per channel (24bit all channel) deep colour.
- HDCP pass-through.
- Supports uncompressed audio such as LPCM.
- Supports compressed audio such as DTS Digital, Dolby Digital (including DTS-HD and Dolby True HD).
- Support 3D all format, including 1080p@23.98/24Hz, 720p@59.94/60Hz/50Hz, bandwidth up to 165MHz.

OVERVIEW

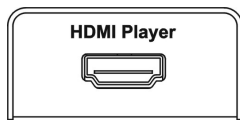
The HDMI Extender by CAT-5e/6 uses two pieces of UTP cable to extend the HDTV display up to 30 meters for 1080p when used with Cat6 cables. It not only exceeds the limitation of the HDMI cable transmission length, but also CAT-5e/6 has more flexibility and convenience in cable routing. Using this extender together with UTP Cat5e/6 cables, the transmission distance can be up to 60 meters for 480p.

It is equipped with HDMI (high definition multimedia interface) connectors and is capable of supporting DVI (digital visual interface) equipment when used with an HDMI to DVI Adapter, providing greater flexibility and options when integrating several home theater components.

This repeater is compatible with HD-DVD, SKY-STB, PS3, Xbox360 etc.

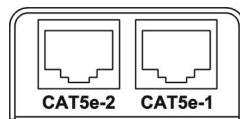
CONNECTIONS

Sender unit



1

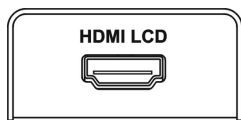
1. HDMI source input.
2. CAT-5e output 2
3. CAT-5e output 1
4. HDMI output
5. CAT-5e input 1
6. CAT-5e input 2
7. Power Input



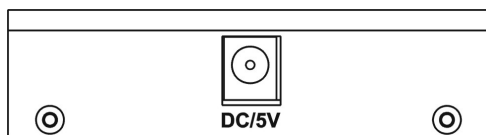
2

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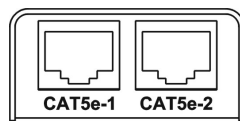
Receiver unit



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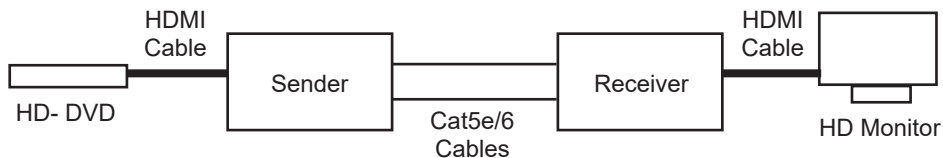


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INSTALLATION

- Connect the HDMI input sources such as HD-DVD, PS3, Xbox etc.
- Connect two CAT-5E cables to both the output sockets of the sender and to both the input sockets on the receiver noting the correct pairing.
- Connect the HDMI output (such as: HD-monitor, HD-projector) into receiver.
- If the quality isn't stable the 5VDC power supply may be required. Connect the PSU output to the power jack on the side of the receiver and plug the PSU into the mains and turn on the power.



SPECIFICATIONS

Signal Input/Output	
Input Video Signal	5 Volts p-p (TTL)
Max single link range	1920 x 1080p
Output Video	HDMI Type A 19 pin
Operating Frequency	
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	1.65Gbps/165MHz
Transmission distance	
UTP cable with cross strand inside	30m for 1080p 60m for 480p
Resolutions(HDTV)	
Interlaced (50&60Hz)	480i, 576i, 1080i
Progressive (50&60Hz)	480p, 576p, 720p, 1080p
Environmental	
Operating Temperature	0°C to +70°C
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	-10°C to +80°C
Storage Humidity	5% to 90% RH (no condensation)
Dimensions (HxWxD)	25x45x81mm
Weight (total)	246g
Power Requirement	
External Power	5V DC 2A (optional)
Power consumption (Max)	5W (optional external power may be required)

CLEANING & MAINTENANCE

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



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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