

# PRO-SIGNAL



**HDMI Repeater 1080p - 30m Range**

**PSG03494**

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
- Brackets
- Instruction manual

## **FEATURES**

- Supports up to video resolution 1080p.
- Supports 225MHz/2.25Gbps per channel (6.75Gbps all channel) bandwidth.
- Supports 12bit per channel (36bit all channel) deep colour.
- HDCP pass-through.
- Metal casing for superior EMI elimination
- Supports uncompressed audio such as LPCM.
- Supports compressed audio such as DTS Digital, Dolby Digital including DTS-HD and Dolby True HD.
- 8 levels of equalization settable by turning EQ from 0 to 7, to support different length of HDMI cable from 1m to 35m.
- Support 3D all formats, including 1080p@23.98/24Hz, 720p@59.94/60Hz/50Hz, bandwidth up to 225MHz.
- Can be daisy-chained to extend the range even further.
- No external power is usually required when used as a single unit.

## **OVERVIEW**

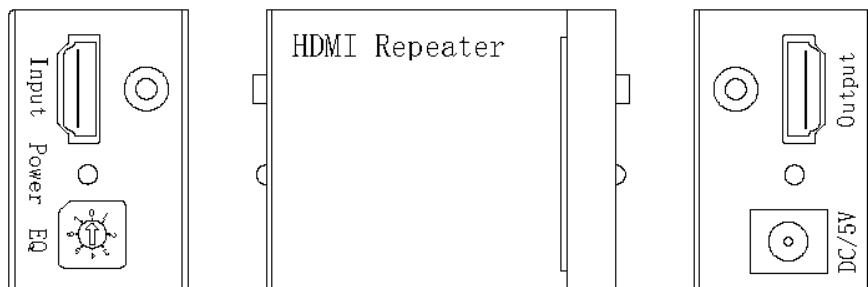
This HDMI repeater extends the length of HDMI cable up to 35M by regenerating the HDMI signal before it sends the outputs to the HDMI monitor or projector.

The specially designed EQ can be adjusted to obtain best transmission function.

This HDMI repeater uses a metal casing for better EMI elimination and it can help reduce any digital noise present in your picture.

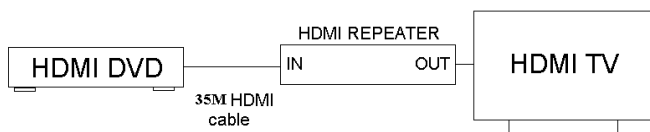
This repeater is compatible with HD-DVD, SKY-STB, PS3, Xbox360 etc.

## CONNECTIONS



## INSTALLATION

- Connect the output of the source device into the input of HDMI Repeater and connect the output to the HDMI display unit.
- Insert the DC side of a 5V power supply (not included) if the source device cannot provide enough power over the HDMI output.
- The HDMI repeater should be placed closer to the HDMI display unit. Please refer to connection diagram below.
- Adjust the EQ from 0 to 7, according to the different length of HDMI cable.



## SPECIFICATIONS

<b>Signal Input/Output</b>	
Input Video Signal	5 Volts p-p (TTL)
Max single link range	1920 x 1080p
Output Video	HDMI Type A 19 pin
<b>Operating Frequency</b>	
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	2.25Gbps/225MHz
<b>Transmission distance</b>	
UTP cable with cross stand inside	35m for 1080p
<b>Resolutions(HDTV)</b>	
Interlaced (50&60Hz)	480i, 576i, 1080i
Progressive (50&60Hz)	480p, 576p, 720p, 1080p
<b>Environmental</b>	
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)	50x40x35mm
Weight	78g
<b>Power Requirement</b>	
External Power (not included)	5V DC 2A
Power consumption (Max)	3W (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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