



# HDMI REPEATER



## Manual DS-55901

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

### 1.0 INTRODUCTION

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. Meanwhile, according to the length of HDMI cable the special designed EQ can be adjusted to reach the best transmission function.

This HDMI Repeater adopts the iron shell for better EMI elimination and it will clean out the digital noise (sparkles) in your picture. With the unique designed structure, this repeater can be fixed up with the donated nogs in "L" shape.

## 1.1 FEATURES

This kind of the HDMI Repeater has many features that enable it to perform in a superior manner. Among those features you will find:

- Support HDMI HighSpeed (1.3b)
- Support highest video resolution 1080p
- Support 225MHz/2.25Gbps per channel (6.75Gbps all channel) bandwidth
- An external power supply is not necessary, as long as signal source as well as output device have their own power supply
- Support 12bit per channel (36bit all channel) deep color
- HDCP pass-through
- Iron Shell for better EMI elimination
- Support uncompressed audio such as LPCM
- Support 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, so that support different length of HDMI cable between 1m to 35m
- Unique designed structure for better connection
- Support 3D all format, including 1080p@23.98/24Hz, 720p@59.94/60Hz/50Hz.

## 2.0 SPECIFICATIONS

<b>Signal Inputs/Output</b>	
Input Video Signal	5 Volts p-p (TTL)
Maximum Single Link Range	1920x1080P
Output Video	HDMI HighSpeed (1.3b)
HDMI Input/Output Connector	Type A 19 pin
<b>Operating Frequency</b>	
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	2.25Gbps/225MHz
<b>Resolutions(HDTV)</b>	
Interlaced(50&60Hz)	480i,576i,1080i
Progressive(50&60Hz)	480p,576p,720p,1080p
<b>Mechanical</b>	
Size(H-W-D)	5X4X3.5MM
Weight(Net)	78g
<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)
<b>Power Requirement</b>	

External power supply (optional power supply unit)	DC 5V/2A - DC connector 5.5x2.1 mm
Power consumption (Max)	3W

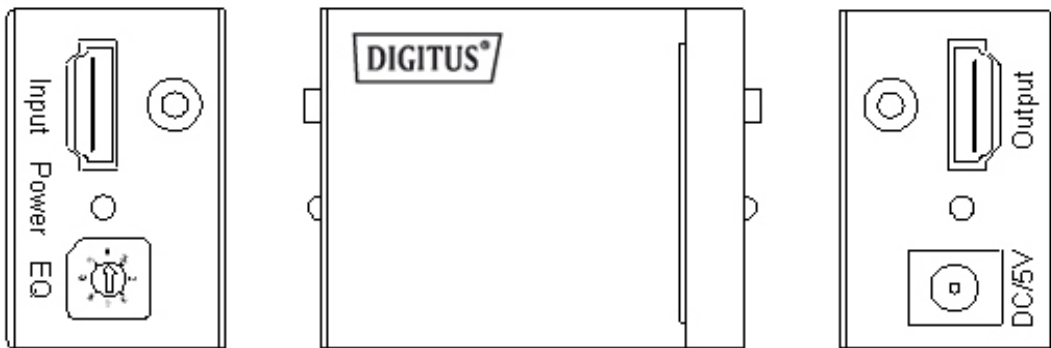
**Note: Specifications are subject to change without notice.**

### 3.0 Package Contents

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

- 1x HDMI Repeater
- 1x Mounting Ears
- 1x Mounting material
- 1x User Manual

### 4.0 PANEL DESCRIPTIONS



## 5.0 CONNECTION AND OPERATION

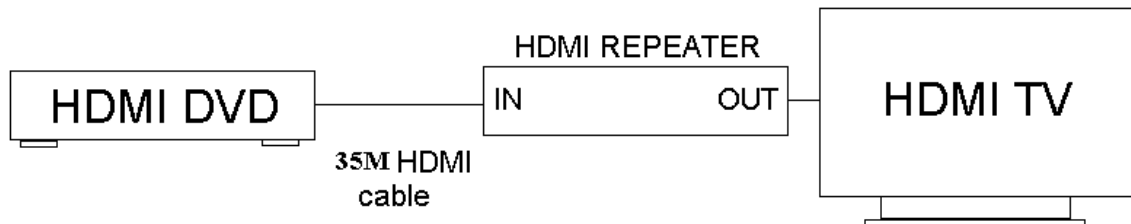
- 1) Connect the output of the source device into the input of HDMI Repeater and connect the output to the HDMI display unit. The HDMI Repeater is put close to the HDMI display unit (Input cables are optional)

\*Please refer to connection diagram section.

- 2) Adjusting EQ from 0 to 7, according to the different length of HDMI cable.
- 3) Insert the DC side of 5v power supply if the 5v of the source is not enough .

**Attention: Insert / Extract cable gently.**

## 5.1 CONNECTION DIAGRAM



Hereby Assmann Electronic GmbH, declares that the Declaration of Conformity is part of the shipping content. If the Declaration of Conformity is missing, you can request it by post under the below mentioned manufacturer address.

**www.assmann.com**  
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