

CH-101 HDMI to HDMI Repeater (V1.3)

Operation Manual



CH-101

HDMI®

HIGH-DEFINITION MULTIMEDIA INTERFACE

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• **Safety Precautions**

Please read all instructions before attempting to unpack or install or operate this equipment, and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through module openings or empty slots, as you may damage parts.
- Do not attach the power supply cabling to building surfaces.
- Do not allow anything to rest on the power cabling or allow it to be abused by persons walking on it.
- To protect the equipment from overheating, do not block the slots and openings in the module housing that provide ventilation.

• **Revision History**

<i>Version No</i>	<i>Date</i>	<i>Summary of Change</i>
VRO	20100412	HDMI Cable Distance Change

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1. Introduction

This is the most advanced solution for HDMI to HDMI signal repeater. This is compatible with HDMI v1.3 specifications, a cutting-edge technology which defines the supports to transfer Deep Color (12 bits/color) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 225MHz. The HDMI v1.3 Distribution Amplifier also does amplifies signal and equalization, so as to provide high performance I/O of audio and video through HDMI cables for a distance up to 15 meters each side at 1080p@60Hz.

2. Features

- HDMI 1.3, HDCP 1.1 and DV11.1 Compliant.
- Supports digital video formats in Deep Color Mode at up to 36 bits (12bits/color) and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio.
- Supports equalize and recover incoming TMDS data before re-transmitting them with optimal quality regardless of the incoming signal quality.
- Supports high definition input up to 1080p@60Hz, output resolution follows input.
- Full HDCP Compliant.
- HDMI cable distance tested with 1080p/8bits resolution the I/O source can run up to 15/10 meters. If 1080p/12bits the I/O source can run up to 10/10 meters.

Note: A. Cable tested with 24AWG using cables of another type may result in a different operating distance.

B. Cable distance test included the following: PS3 120G and 40" Samsung 12bits LED TV & 37" Philips 8bits LCD TV.

C. Figures provided in this manual are reference figures only, actual figures may depend on source and display use with cable specification.

- Supports CEC function.
- Easy to install and simple to operate.

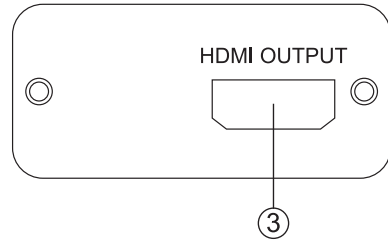
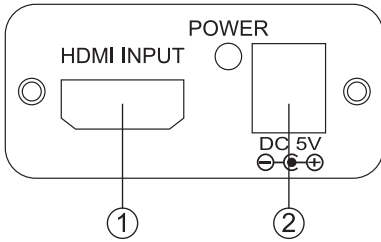
3. Package Contents

- HDMI to HDMI Repeater
- 5V DC power supply adaptor
- Operation Manual

4. Operation Controls and Functions

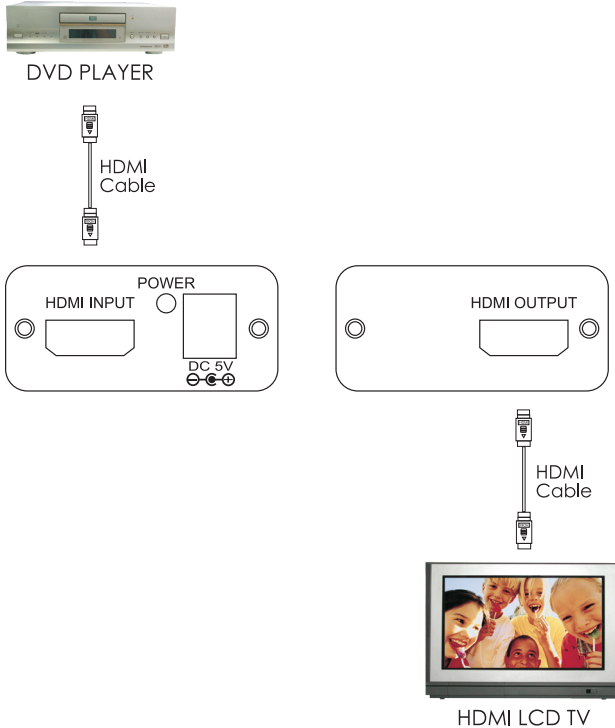
4.1. Front Panel

4.2. Rear Panel



- ①. HDMI input: Connect the HDMI input port to the HDMI output port of your source equipment such as DVD player or set-top-box.
- ②. Power: Plug the 5VDC power supply into the unit and connect the adaptor to AC wall outlet.
- ③. HDMI output: Connect the HDMI output port to the HDMI input port of your display or next to the HDMI transmitter box.

5. Connection and Installation



6. Specifications

Input Port	1 x HDMI
Output Port	1 x HDMI
Power Supply	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions (mm)	50(W) x 52(D) x 23(H)
Weight(g)	62
Chassis Material	Aluminum
Silkscreen Color	Silver
Operating Temperature	0°C ~ 40°C



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