

HDMI Amplifier Equalizer ID# 438



Operation Manual

Introduction

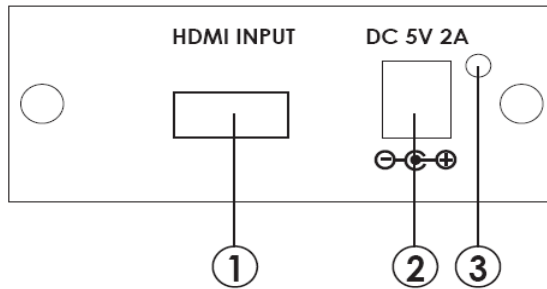
Using a standard HDMI cable to transmit high definition audio/video at a long distance will result in digital degradation. Our HDMI Amplifier Equalizer can correct digital error and provide 8 dB input equalization to compensate for cable transmission loss, it will eliminate digital noise (sparkles) to ensure you to receive perfect HDTV picture after long cable transmission.

Features

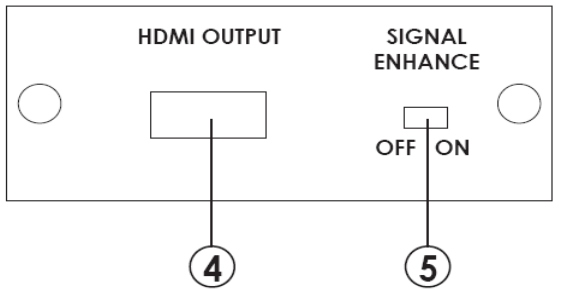
- * Provides 8 dB input equalization to compensate for long HDMI cable loss.
- * Extend cable reach to 40 meters- 20 meters from the source to the equalizer plus 20 meters from the equalizer to the projector, TV/monitor.
- * Maintains high HDMI single link video resolution up to UXGA/1080p.
- * HDCP compliant.
- * Plug and play, easy to install.
- * Can be powered directly from the cable.
However it is recommended to use external power adaptor for long cable application.
- * HDMI is backward compatible with DVI,
The unit will work with either DVI or HDMI.

Operating Functions and Controls Front Panel

Front Panel

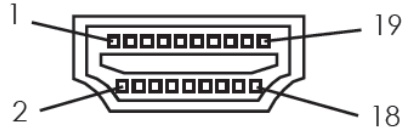


Rear Panel



- 1. HDMI Input:** Connects to the HDMI output connector of your source equipment.
- 2. DC power plug.**
- 3. Power LED.**
- 4. HDMI output:** Connects to the HDMI input connector of your display unit.
- 5. Signal Enhance:** After long distance transmission you can press this button to enhance the signal.

HDMI Connector Pin Assignment



Pin#	Function Assignment	Pin#	Function Assignment
1	TMDS Data2+	2	TMDS Data2 Shield
3	TMDS Data2-	4	TMDS Data1+
5	TMDS Data1 Shield	6	TMDS Data1-
7	TMDS Data0+	8	TMDS Data0 Shield
9	TMDS Data0-	10	TMDS Clock+
11	TMDS Clock Shield	12	TMDS Clock-
13	CEC	14	Reserved (N.C. on device)
15	SCL	16	SDA
17	DDC/CEC Ground	18	+5V Power
19	Hot Plug Detect		

Specifications

- * Compliant with HDMI 1.2
 - * HDCP is compliant with HDCP 1.1 downward compatible to HDCP 1.0
 - * HDCP pass through.
 - * Operation frequency : Up to 165MHz
 - * HDMI data rate: 1.65Gbps(single link)
 - * Input/Output resolutions:
 - PC: VGA, SVGA, XGA, SXGA, UXGA up to 165MHz
 - HD: 480i/576i, 480p/576p, 720p, 1080i, 1080p
 - * Dimension: 72(D)x 76(W)x 30(H)mm
 - * Power: 5V 2A center-positive
- Note:** Connect the long HDMI cable from the source to the input of HDMI Amplifier Equalizer and place the box next to your display.

Connection and Installation

