

HDPIMF Technical Specifications

In-Line HDMI® Power Inserter

Rev. 170828

The HDPIMF HDMI® Power Inserter is a device designed to power both sides (2-way) of an HDMI circuit. This short adapter with a power jack and included USB power supply and cable is ideal to insert power into the HDMI circuit at a panel or plate junction. This unit is a male to female 2-way adapter. The typical use pattern for this product is plugging into a passive coupler, such as a panel mount junction. Then the cable needing power is plugged into this unit. This unit can be plugged into the front or the back of a plate coupler, it does send power both ways to power both active cables in the circuit.

Active cables have introduced a new wrinkle in the audio visual spectrum. Active Copper HDMI cables require power at the receiving or Display end. If the circuit ends in a wall plate coupler, there is no power and the cable may not function. This power inserter provides power at the wall plate. Today, many of the cables on the back side of the wall plate are also active, typically active optical cables for maximum bandwidth over distance. Active Optical Cables require powered receptacles on both the send and receive sides. The power inserter delivers USB specification 5VDC 500mA power to both active cables in the circuit.

The unit ships with a power supply and 1 meter USB A to 1.3mm power cable. If a longer cable is needed, a screw terminal to 1.3mm plug can be used with 18 AWG 2 conductor cabling.

CAUTION: DO NOT PLUG THIS UNIT DIRECTLY INTO SOURCES AND DISPLAYS

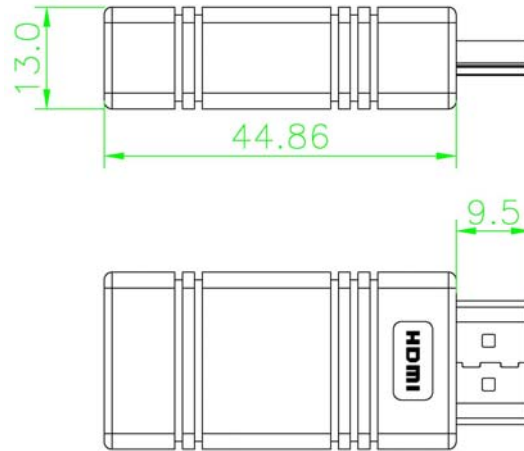
Care must be taken with the unit to ensure the 5VDC 500mA power is not applied against a source receptacle. HDMI certified and compliant devices would not be affected; but many products on the market do not have an HDMI approval process. OEM switches, DA's, and other extenders may be affected or even damaged by the power. Use of an active cable in the patching schema will consume that power and prevent power potential against the source or receiver receptacle.

Key Features:

- 5VDC 500mA bi-directional power
- In-Line application
- Male – Female HDMI Adapter
- Uses USB power.



Item Drawing:



Technical Specifications

I/O Connections	
HDMI	Male HDMI Type A to Female HDMI Type A connector
Supported Audio and Video	
Maximum Video Compatibility	4K@60Hz 4:4:4 Chroma (2160p) depending on other components in the circuit
Mold Construction	
HDMI Hood Material	Dual layer Molded PVC
HDMI Hood Dimensions	LxWxH 44.86x22.6x13mm.
Environmental Requirements	
Operating Temperature	0° to 80° C (+32° to +140° F)
Operating Humidity	20% to 85%, Non-condensing
Storage Temperature	-30° to 75° C (-22° to +122° F)
Storage Humidity	20% to 85%, Non-condensing
Power and Regulatory	
Power Supply	C(TUV)US VI, BI,
Regulatory	RoHS Compliant
Included	
Power Supply	WL Model BI05M-050050-Bdu
Power Cable	1m USB "A" Male 4p to 1.4/3.5mm Power Plug
Other	
Warranty	2 years

Part Numbers	Part Description
HDPIMF	HDMI M-F POWER INSERTER IN-LINE

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