

V57PW Technical Specifications

Panel Mount HDMI® Power Inserter

Rev. 170821

The V57PW HDMI® Power Inserter is a device designed to power both sides (2-way) of an HDMI circuit. This short coupler cable with a power jack and included USB power supply and cable is ideal to couple two active HDMI cables together. This unit has one end designed to be mounted on a wall plate as the Host receiving end. A short 150mm cable joins the Client receptacle for the remote end. The flexible cable allows the exit HDMI cable to be routed for least stress on the cable.

Active cables have introduced a new wrinkle in the audio visual spectrum. Typically copper active 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. 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.

Liberty has designed the V57PW to match the same cutout and screw pattern as our V57 HDMI passive coupler. This allows for easy swap out in a circuit that suddenly needs power or the passive coupling solution does not allow for power insertion. 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.

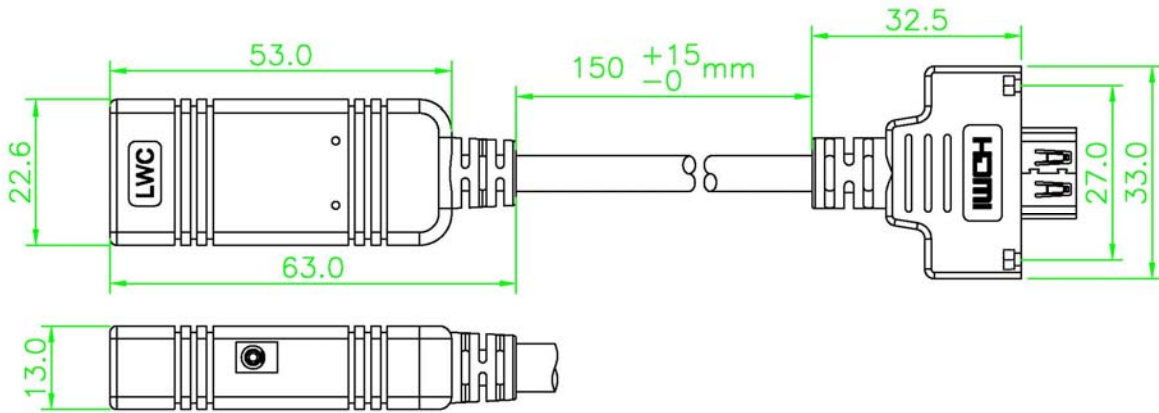
Care must be taken with the unit to ensure the 5VDC 500mA power is not applied against a source receptacle. HDMI certified and compliant devices would not be affected; but many products on the market do not have an HDMI approval process. OEM switches, DA's, and other extenders may be affected or even 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
- Panel Mounted
- Female – Female HDMI Coupler
- Flexible cable
- Uses USB power.



Item Drawing:



| Technical Specifications | |
|-----------------------------------|---|
| I/O Connections | |
| HDMI | Female HDMI Type A connector(s) on both ends |
| Supported Audio and Video | |
| Maximum Video Compatibility | 4K@60Hz 4:4:4 Chroma (2160p) depending on other components in the circuit |
| Cable Construction | |
| HDMI Hood Material | Dual layer Molded PVC |
| HDMI Hood Dimensions | P1: LxWxH 22.5x33x11mm. P2: LxWxH 33x22.6x13mm. Strain Relief 10mm |
| Jacket Material | UL AWM 20276 80°C |
| Cable Construction | Lead Free PVC |
| Overall Cable Diameter | 7.3 mm |
| Minimum Bend Radius | 73 mm |
| Maximum Tensile Load | 20 kg (44 lbs.) |
| 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 | Cable AWM VW-1 80°C, RoHS Compliant, USB Cable AWM 2725, 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 |
|--------------|-------------------------------------|
| V57PW | HDMI F-F POWER INSERTER PANEL MOUNT |

Liberty Wire & Cable specifications are subject to change without notice. Contact an account representative for current product specifications. Liberty Wire & Cable continuously strives to ensure product specifications are accurate and complete. All physical specifications are nominal.

NEC® is a registered trademark of the National Fire Protection Agency (NFPA)

HDMI® is a registered trademark of HDMI, LLC