

**LITE
PANELS®**

 **Litepanels®**
A Vitec Group brand

Hilio User Manual

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Important Safety Instructions



CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**



WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE SCREWS (I.E., DO NOT OPEN THE HILIO)
THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING ONLY TO QUALIFIED SERVICE PERSONNEL.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THE APPLIANCE TO RAIN OR MOISTURE.

CAUTION: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



The lightning symbol within a triangle means “electrical caution!” It indicates the presence of information about operating voltage and potential risks of electrical shock.



The exclamation point within a triangle means “caution!” Please read the information next to all caution signs.



Please Read These Important Safety Instructions And Keep Them in a Safe Place!



- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use the HILIO near water.
- Clean the HILIO with a dry cloth.
- Do not block any ventilation openings on the HILIO.
- Install the HILIO in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- This apparatus shall be connected to a MAINS socket outlet with a protective grounding connection, via the included AC Adapter.
- Do not defeat the safety purpose of the polarized, or grounding type plug. A polarized plug has 2 blades with one wider than the other. A grounding type plug has 2 blades and a third grounding prong. The wide blade, or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use the AC Adapter and accessories/attachments supplied or specified by the manufacturer.
- Refer ALL servicing to qualified service personnel.
- The apparatus shall not be exposed to dripping or splashing of liquids.
- **WARNING:** To reduce the risk of fire or electric shock, do not expose the HILIO to rain or moisture.
- The appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Connect the supplied AC adapter ONLY to AC power outlets rated 100/120V 220/240V 50/60Hz.
- Service is required when the apparatus has been damaged in any way such as:
 - AC Adapter, power cord or plug is damaged.
 - Liquid had been spilled into the apparatus.
 - The unit has been exposed to rain or moisture.
 - The unit has been dropped or the enclosure is damaged.
 - The unit does not operate normally or changes in performance in a significant way.



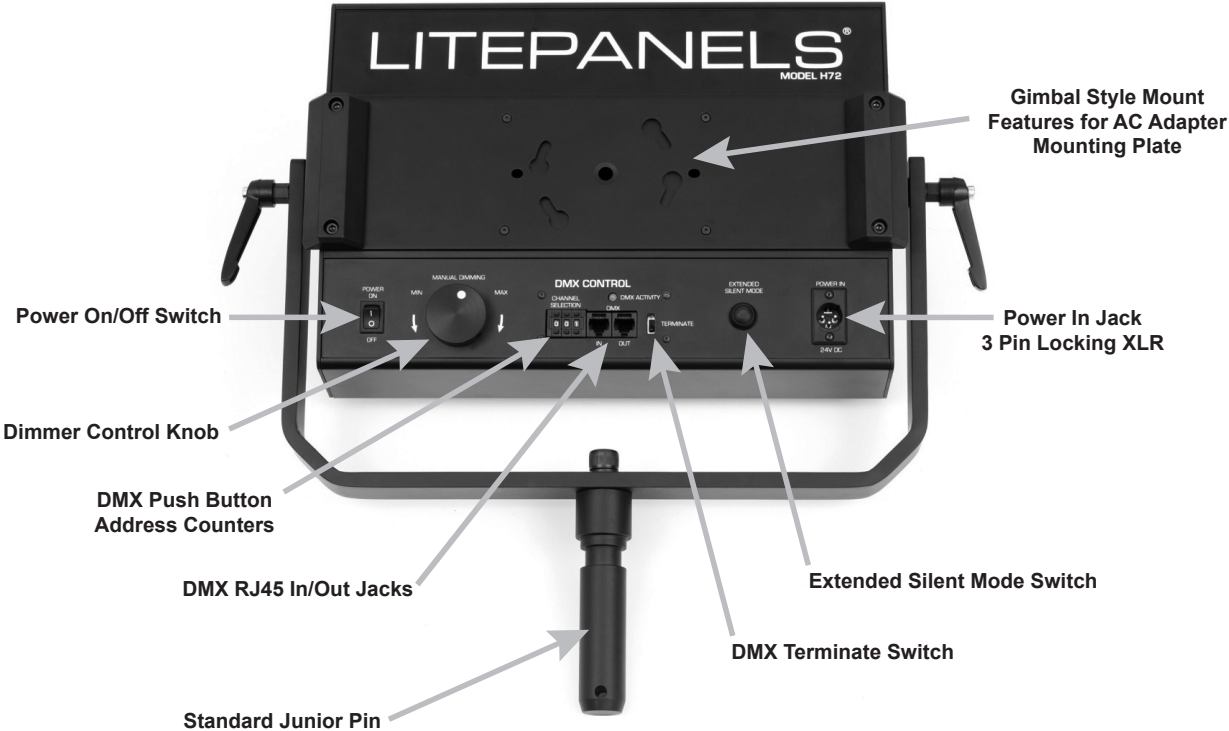
Overview

The HILIO answers the need for an LED fixture capable of throwing illumination over a 20 to 25 foot (6.1 – 7.6m) distance, providing HD-friendly light with all the advantages of Litepanels LEDs.

The new HILIO Hi-Output is 5600°K color balance, utilizing an array of 72 One-Watt daylight LEDs that are focused to a 15° angle.

- 72 Hi-Power LEDs
- Beam angle of 15°
- 25ft. (7.6m) projected illumination
- 5600°K Color Temperature - daylight balanced
- 115W current draw
- 0-100% Local and DMX remote dimming control
- Integrated cooling system
- Operational ambient temperature -32°C to +49°C (-25°F to +120°F)
- Operational humidity: up to 85% relative humidity (non-condensing)
- Standard yoke system with integrated gimbal mount and standard Junior Pin
- Rugged hard anodized aluminum housing
- Spring loaded locking handles
- Dimensions: 10" (254mm) x 14" (356mm) x 4" (102mm)
- Weight: 13lbs. (5.9kg)
- Optional accessories:
 - 5pc Filter Set (1/8, 1/4, 1/2, full CTO, and 1/2 white diffuser)
 - Pole Operated Yoke
 - AC Adapter Gimbal Mounting Plate for fixture back

Rear Panel Controls



Power Switch & Dimmer Control



Dimmer Control Knob:

The Dimmer Control Knob allows for variations in intensity from 100% – 0.

100% being fully CW, and 0 fully CCW.

There is no change in the color temperature as the fixture is dimmed down/up.

Extended Silent Control & Power Input Jack



Extended Silent Mode Switch:

This feature gives the user the option to maintain silent operation at a higher ambient temperature. In normal mode, the internal cooling fans automatically actuate when the unit temperature reaches 50°C. Pressing this switch will allow the unit to reach 65°C before the cooling system switches on. When powered off this feature will default to the 50°C setting.

The Hilio has a built in safety feature that will shut down the unit if a temperature of 85°C is reached. The unit will operate again once the temperature falls below 85°C.

Power In Jack:

A 3 Pin Female XLR connector is plugged into this jack socket (supplied), providing 24V DC.

Pin1 = GRND, Pin2 = +ve.

(Do not use non-approved AC adapters which may damage the unit and void your warranty).

DMX Control

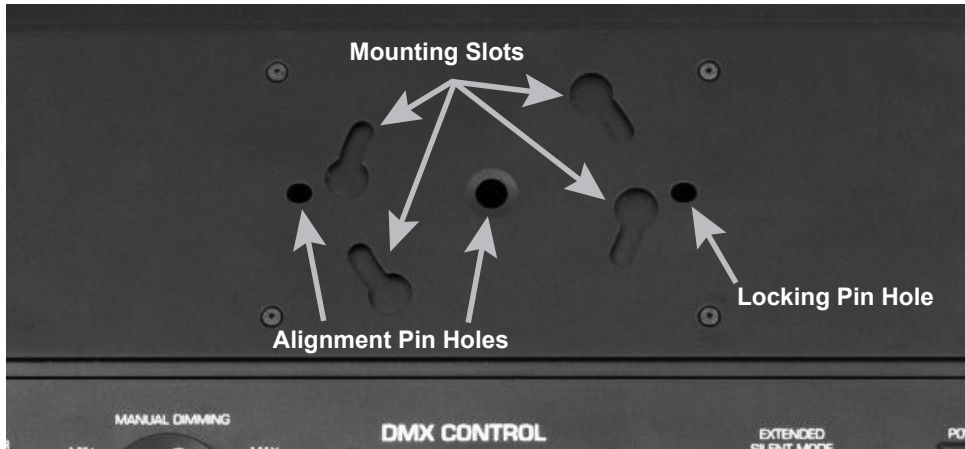


DMX Jacks: The DMX jacks allow for multiple units to be connected from one fixture to the next (daisy chain). There is no designation as to which of the two jacks is input or output, they are interchangeable. Connect a Litepanels 5 pin XLR to RJ-45 cable (#906-0006) from the dimmer control panel to the closest Litepanels fixture and then connect the first fixture to the second fixture using standard CAT5 8-pin Ethernet cable, and so on.

Only the last HILIO fixture in the sequence should have the **terminator switch** set (down position).

DMX Push button address switches: An integral DMX-512 interface is included in all HILIO fixtures for remote dimming control. DMX is a standardized hardware and software protocol that allows lighting fixtures to be remotely controlled by both analog and digital dimmer control boards. These control consoles typically have between 4 and 128 sliders that individually control lighting fixtures. Each fixture has a unique sequential address number which are set by adjusting the 3 DMX push button address on the back of the HILIO fixture. If you set the DMX push button address to 001 then the fixture address is 1 which then reacts to all control instruction on the first DMX channel of the DMX control universe by dimming brightness or level of intensity. Any additional fixtures will have to then be addressed at 002 or higher to avoid overlap. General practice addresses each fixture with their own address, however multiple units can be addressed using the same control channel. Valid DMX addresses are 1 through 512. Litepanels has reserved the numbers above 512 for special functions.

AC Adapter Mounting and Optional Mounting Plate



The supplied AC Adapter can be mounted onto the back of the HILIO fixture using the *optional* Mounting Plate. The mounting plate is aligned using the alignment holes and two of the mounting slots shown above, then rotated **clockwise** until the spring loaded locking pin snaps into the back panel. The AC Adapter can then be housed in the bracket for convenient set-up. To remove the bracket, the AC Adapter needs to be removed first, the spring locking pin pulled out to unlock it, and the bracket turned **counter-clockwise** to remove from the back panel.

WARNING: Always mount the power supply bracket so the opening is facing upward to insert the power supply.

**Please visit us online at
<http://www.litepanels.com>
and register your product.**

