

# CIHLA

Thank you for purchasing CIHLA. CIHLA is High End linear low noise power supply for synthesizers.

**!!! DANGER !!!**

**High voltage inside power supply unit. Do not open metal cover under voltage. Risk of electric shock and serious injury. No user serviceable parts inside.**

**Potentially hot cover surface during operation. Be careful.**

Inside of rigid metal enclosure is PCB with electrical components, toroidal transformer, heatsink etc. On one side of enclosure is power inlet for main voltage with power switch and fuse holder. On second side are four output connectors, banana ground connection, GND / LIFT switch and +12V / -12V LED which present output voltages. In normal operation mode when the power switch is ON, LEDs are light on green. LEDs go out when some rail is overload or short.

Primary side of PSU contains LC filter, which removes interference from AC mains. Toroidal transformer with metal cover is the key element to minimize electromagnetic interference. CIHLA is made on quality PCB with copper thickness of 70  $\mu\text{m}$ , which ensures reliability of CIHLA and minimal losses on PCB routes.

GND / LIFT switch can be used for disconnection (LIFT position) secondary ground potential from primary / enclosure ground potential. This feature can help to solve problems with ground loops when more devices are patched between them and supplied from one or more wall socket (synth, mixer, PC...). In normal conditions without ground loop problems is good to keep switch in GND position.

Do not cover ventilation holes on enclosure. Please switch off CIHLA when you do not use it.

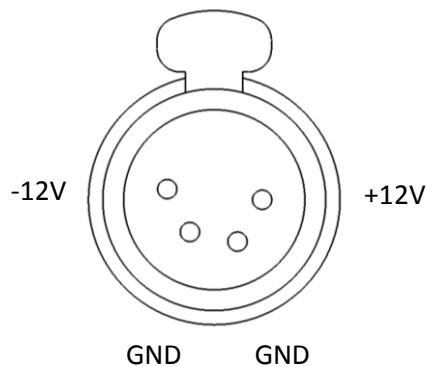


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## Specs

Power	36W
Mains input	230V / 50Hz
Outputs	+12V / 1.5A -12V / 1.5A
Output stability	±1% for 0-100% load
Output noise	max 4.8mVpp on 100% load (20MHz BW)
Output Connectors	4 x 4 pin XLR female (Neutrik NC4FAV) Matching / complementary: Neutrik NC4M type
Protections	Input filter Output overvoltage Output short circuit – automatic recovery Output over current – automatic recovery All output protections are independent for each rail
Other	70µm cooper thickness on PCB LEDs indicate present and drop of output voltage.
Dimensions	300mm x 111mm x 70mm
Weight	1.8kg



Output connector connection (front view)

+12V – Pin 1  
GND – Pin 2  
GND – Pin 3  
-12V – Pin4