

LD 1.0

The LD1.0 in the Opus is a new generation magnetic loop amplifier. The robust amplifier offers the necessary functionalities (AGC, MLC, compressor, etc.) to ensure the installation of a 250m² room.

The LD1.0 is a high-efficiency class D amplifier that guarantees maximum power for small and medium-sized rooms. The device has 3 units: 2 inputs (combo and terminal block) switchable in line or microphone and a priority 100V input. The device provides an output current of 5A RMS as well as a compressor and an AGC to ensure optimum audio quality.

The amplifier incorporates a fault synthesis that controls the input signal, the loop and the amplifier. The information is visible on the front and can be deported thanks to a simple contact. LD1.0 can also be used in a low cross-talk phased array with a built-in 90 ° or 0 ° phase shift module (2 amplifiers). Solution used for the equipment of adjoining rooms (pin system).

The LD1.0 has been developed with strict and rigorous specifications that allow us to offer a 5 year warranty.

- Class D amplifier
- The most compact on the market.
- Efficiency up to 92%
- Fanless convection making
- High output voltage up to 48Vpk
- Automatic gain control.
- Wall mounting available.
- Warranty 5 years.
- Correction settings due to metal losses.
- Monitoring and detection of power supply, amplifier and loop faults with NO-NC relay.



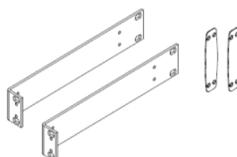
Accessories

RC50/100/150



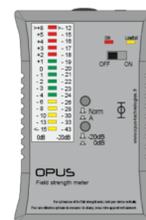
Copper tape specially designed for induction loops.

OP-R



Complete racking kit for attaching 1 or 2 amplifiers from the OPUS LD range.

OP-FSM



Tester and magnetic field meter in accordance with the IEC 60118-4 specification

	LD1.0
Coverage	250 m ² (10x25 m ²)
INPUT	
Audio input	3 inputs: x2 Ligne/microphone - x1 100V
Type	Phoenix and/or Combo Neutrik
Power supply	12V 2mA
Sensitivity	-50dB micro, +40dB 100V, -10dB ligne
Slave input	--
Priority	100V input
POWER SUPPLY	
Type	Integrated
voltage	230V (optionnal 120V) 50/60 Hz
Power	300VA
Consumption	6W
AUDIO CHARACTERISTICS	
Metal loss	0 to 3 dB by octave
Automatic Gain Control	AGC optimized for speech Dynamic > 36 dB
Bandwidth	80Hz to 9.5kHz
Phase change	X
OUTPUT	
Loop impedance	0.5 Ω to 3 Ω
Output voltage	35V rms (50V pK)
Peak current	8A pK
RMS current	5A rms
FONCTIONS ADDITIONELLES	
Defaults	LED display "protect"
Verification (lack of synthesis)	DC current too high - open loop - thermal protection
Relay	NO / NC fault relay
DIMENSIONS (MM)	
HxLxD — Weight	42 x 200 x 215 mm — 1.2 kg