

LD 2.0 & LD 3.0

The new LD 2.0 and LD 3.0 in the Opus Technologies family are a next-generation perimeter magnetic loop amplifiers. The amplifiers offer the necessary functionalities (AGC, MLC, compressor, etc) to ensure rooms installation of 450m² (LD2.0) or 1000m² (LD3.0).

They provide an output current of 7A RMS and 10A RMS, as well as a compressor and AGC to ensure optimum audio quality. The amplifiers incorporate a fault synthesis that controls the input signal, the loop and the amplifier. The information is displayed on the front panel and can be deported thanks to a dry contact.

The LD2.0 and LD3.0 can also be used in a low diphonic phased loop system or an ultra high coverage system with a built-in 90 ° or 0 ° phase shift module (2 amplifiers). Solution used for the equipment of large rooms or adjoining rooms (hairpin systems).

Amplifiers have 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.

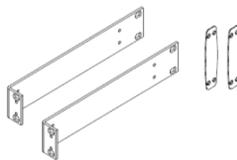
Accessories

RC50/100/150



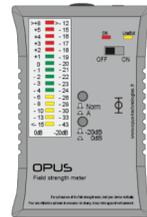
Copper tape specially designed for induction loops.

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

	LD2.0	LD3.0
Coverage	450 m ² (15x30 m ²)	1000 m ² (20x45 m ²)
INPUTS		
Audio inputs	3 inputs: x2 Ligne/microphone - x1 100V	3 inputs: x2 Ligne/microphone - x1 100V
Type	Phoenix and/or Combo Neutrik	Phoenix and/or Combo Neutrik
Power supply	12V 2mA	12V 2mA
Sensitivity	-50dB micro, +40dB 100V, -10dB ligne	-50dB micro, +40dB 100V, -10dB ligne
Slave input	6.35mm Jack plug. . 2 nd LD2.0	6.35mm Jack plug. 2 nd LD3.0
Priority	100V input	100V input
POWER SUPPLY		
Type	Integrated	Integrated
Volatage	230V (optionnal 120V) 50/60 Hz	230V (optionnal 120V) 50/60 Hz
Power	300VA	300VA
Consumption	6W	6W
AUDIO CHARACTERISTICS		
Metal loss	0 to 3 dB by octave	0 to 3 dB by octave
Automatic Gain Control	AGC optimized for speech Dynamic > 36 dB	AGC optimized for speech Dynamic > 36 dB
Bandwidth	80Hz to 9.5kHz	80Hz to 9.5kHz
Phase change	Phase module (90° or 0°)	Phase module (90° or 0°)
OUTPUT		
Loop impedance	0.5 Ω to 3 Ω	0.5 Ω to 3 Ω
Output voltage	35V rms (50V pK)	35V rms (50V pK)
Peak current	11A pK	15A pK
RMS current	7A rms	10A rms
ADDITIONAL FUNCTIONS		
Defaults	LED display "protect"	LED display "protect"
Verification (lack of synthesis)	DC current too high - open loop - thermal protection	DC current too high - open loop - thermal protection
Relay	NO / NC fault relay	NO / NC fault relay
DIMENSIONS (MM)		
HxLxD	42 x 200 x 215 mm	42 x 200 x 215 mm
Weight	1,2 Kg	1,3 Kg