



# LDX.0

## LD1.0 / LD2.0 / LD3.0

The new LD1.0, LD2.0 and LD3.0 are a new generation of Class D loop amplifier with single output, designed for medium to large sized facilities and venues.

Interconnected together thanks to an integrated phased shifter as well as master/slave, input/output, the LDX.0 amplifiers can be used on low spill phased systems or large coverage.



### Product references

LD1.0	Coverage area up to 250m <sup>2</sup>
LD2.0	Coverage area up to 450m <sup>2</sup>
LD3.0	Coverage area up to 1000m <sup>2</sup>

### Specifications

	LD1.0	LD2.0	LD3.0
Coverage	250m <sup>2</sup>	450m <sup>2</sup>	1000m <sup>2</sup>
Operating temperature	0 to +45°C	0 to +45°	0 to +45°
Storage temperature	-30 to +70°C	-30 to +70°C	-30 to +70°C
<b>INPUT</b>			
Audio inputs	3 inputs : x2 line/mic, x1 100V	3 inputs : x2 line/mic, x1 100V	3 inputs : x2 line/mic, x1 100V
Type	Phoenix and/or Combo Neutrik	Phoenix and/or Combo Neutrik	Phoenix and/or Combo Neutrik
Phantom supply	12V 2mA	12V 2mA	12V 2mA
Sensitivity	-50dB microphone, +40dB 100V, -10dB line	-50dB microphone, +40dB 100V, -10dB line	-50dB microphone, +40dB 100V, -10dB line
Priority	100V input, INPUT 1	100V input, INPUT 1	100V input, INPUT 1

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<b>POWER SUPPLY</b>			
Type	Integrated	Integrated	Integrated
Voltage	115/230v (automatic) 50/60Hz	115/230v (automatic) 50/60Hz	115/230v (automatic) 50/60Hz
Nominal power consumption at 1 Ohm	25 W	50 W	90 W
Maximum input power	< 250VA	< 300VA	<350VA
Consumption at rest on connected loop	9W at 230V AC, 1 loop of 1 Ohm connected, at ambient temperature after 30min of stabilization		
<b>AUDIO CHARACTERISTICS</b>			
THD	< 0,5% @ 10hm / 1KHz / nominal current	< 0,5% @ 10hm / 1KHz / nominal current	< 0,5% @ 10hm / 1KHz / nominal current
Automatic Gain Control	AGC optimized for speech Dynamic > 36 dB	AGC optimized for speech Dynamic > 36 dB	AGC optimized for speech Dynamic > 36 dB
Bandwidth	80Hz to 9,5kHz	80Hz to 9,5kHz	80Hz to 9,5kHz
<b>OUTPUT</b>			
Loop impedance	0,5Ω to 3Ω	0,5Ω to 3Ω	0,5Ω to 3Ω
Output voltage	34V rms (48 pK)	34V rms (48 pK)	34V rms (48 pK)
Peak current	8A pK	11A pK	15A pK
RMS current (at 1kHz)	5A rms	7A rms	10A rms
Slave output	0° to 90° phase shift	0° to 90° phase shift	0° to 90° phase shift
<b>ADDITIONAL FUNCTIONS</b>			
Led displays	"Power", "Protect", "Clip", "Loop"		
Metal loss correction	0 to 3dB per octave	0 to 3dB per octave	0 to 3dB per octave
Relay	NO/NC fault relay 0,5A/125Vac, 1A/24VDC	NO/NC fault relay 0,5A/125Vac, 1A/24VDC	NO/NC fault relay 0,5A/125Vac, 1A/24VDC
<b>Dimensions (MM)</b>			
H x L x D	42 x 200 x 215 mm	42 x 200 x 215 mm	42 x 200 x 215 mm
Weight	1.48 Kg	1.48 Kg	1.48 Kg
<b>5 years warranty</b>			
IEC60118-4 Standard			

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## ACCESSORIES

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### RC

Copper tape with 1 conductor designed for induction loops



### OP-R

Copper tape with 1 conductor designed for induction loops



### C10-LC

Terminal block for RC copper foil. Set of 10 units.



### OP-FSM-02

Tester and magnetic field meter. Supplied with and OP-778 headset



### Opus Smartloop

Loop simulation software

