

IMA[®] SERIES

INSTALLATION AMPLIFIER



IMA[®] 30

INSTALLATION MIXING AMPLIFIER

Permanent installations require solutions which offer a visually discrete design that blends into the background while still being flexible and versatile in their functions. You need to be able to connect different audio sources and manage them, to mute non-priority signals during announcements or emergency calls.

With IMA[®] 30, LD Systems presents the first model of the new IMA[®] mixing amplifier-series, which leaves nothing to be desired in terms of design and flexibility. Seamless integration with IMA[®] 30 is a sure thing in both industrial and commercial applications thanks to the compact 9.5-inch housing design, an array of connection possibilities, including Bluetooth for wireless connection of Audio and a multistage priority circuit.

IMA[®] 30 is equipped with four priority levels to manage all connected audio signals during emergency or priority announcements. An automatic standby mode can also be activated to reduce power consumption during absence of audio signal. The mixing amplifier features two priority contact closures: one for emergency input to mute both Mic/Line and music sources, and one for Mic/Line Channels to mute music sources only.

The outputs provide 30 W of power at 4 ohms, a two-band equalizer for bass and trebles as well as 70 V/100 V tap settings. The Hi-Z and Lo-Z selector switch lets you separate the output signal completely from the output transformer to ensure an optimal frequency response for low impedance applications. The built-in aux output can be used to add external power amplifiers, active subwoofers or on-hold music systems to the IMA[®] 30. You can also choose to send the entire mix or only the selected music signal source to the aux output using the music-mix selector switch.

SPECIFICATIONS:

Art. No.:	LDIMA30
Product type:	Installation mixing amplifier
Emergency input:	1 balanced line input
Mic/Line inputs:	2
Music sources:	2 unbalanced stereo line inputs + 1 Bluetooth interface v4.0
Line outputs	1
Powered outputs	1 with output mode selector (Low-Z/High-Z)
Cooling system:	Convection cooling
Priority levels	4
Emergency Input	
Nominal input sensitivity:	-6 dBu (Sine 1 kHz, Gain max)
Nominal input clipping:	20 dBu (Sine 1kHz)
Priority Contact closure:	+5VDC Normally Open for dry contact
Connector:	1x 5.08mm Terminal Block 5-pin
Mic/Line Inputs 1-2	
Nominal input sensitivity:	Mic: -36 dBu (Sine 1 kHz, Gain max) / Line: +1 dBu (Sine 1 kHz, Gain max)
Nominal input clipping:	Mic: -17 dBu (Sine 1kHz) / Line: +19dBu (Sine 1kHz)
Phantom Power:	+24V, 10mA Switchable
Priority Contact closure:	+5VDC Normally Open for dry contact
Connector:	Mic/Line1: 5-pin Terminal Block, pitch 5.08mm + 1 XLR/6.3mm Jack combo connector Mic/Line2: 3-pin Terminal Block, pitch 5.08mm + 1 dual RCA Mono Summed
Music inputs - CD/AUX	
Nominal input sensitivity:	-6.22 dBV (Sine 1 kHz, Gain max)
Nominal input clipping:	7.78 dBV (Sine 1kHz)
Connector:	2 x dual RCA Mono Summed

Amplifier Output	
Type:	Class D
Amplifier Outputs:	Low-Z: 4 ohm minimum load, High-Z 70V or 100V outputs
Connector:	5-pin Terminal block (pitch 5.08mm)
RMS output power:	35 W (Continuous sine wave 1kHz, 4 ohm load)
Peak output power:	39 W (100 msec sine 1kHz Burst @ 4 ohm load)
Frequency response:	20 Hz - 20 kHz (LO-Z, -3 dB) 60 Hz - 20 kHz (Hi-Z, -3 dB)
Tone Control:	BASS: +10dB (100Hz), TREBLE: +10dB (10kHz)
Protection:	Audio Limiter (10dB range), Over/Undervoltage, Overtemperature, Short-Circuit, Offset-Detection
Aux Output	
Connector:	3-pin Terminal block (pitch 5.08mm)
Maximum output level:	22 dBu
Power Supply	
Type:	SMPS
Voltage Range:	100 VAC - 240 VAC (+10%), 50-60 Hz
Max power consumption:	70 W (sine 1kHz with 4 ohm load)
Idle power consumption:	7 W (no signal input)
Standby power consumption:	< 1W
Operating Temperature:	0°C - 40°C; < 85% humidity, non condensing
General	
Time to standby:	20 Min
Dimensions (W x H x D):	210 x 96.5 x 266.76 mm (height with rubber feet)
Weight:	2.39 kg
Optional Accessories:	Rack mounting hardware

