

LD Systems IMA Series Amplifiers



IMA 30: 30 Watt Mixing Amplifier
IMA 60: 60 Watt Mixing Amplifier
IMA 120: 120 Watt Mixing Amplifier
IMA 240: 240 Watt Mixing Amplifier



The LD Systems IMA installation mixer amplifier is suitable for low impedance or 70V/100V line loudspeaker circuits. A Hi-Z / Lo-Z selector switch enables complete separation of the output signal from the output transformer to ensure an optimal frequency response for low impedance applications.

Don't be fooled by the compact footprint and slick design – this amp not only looks good but is feature rich with versatile inputs and four level priority hierarchy for emergency announcements.

The IMA offers 2 mic/line inputs with individual gain controls. The third gain control on the front of the amp is for the 2 music source inputs and Bluetooth module each of which is selected in turn via a single touch sensitive button. A further touch sensitive button activates Bluetooth pairing.

The Class D design ensures energy efficiency and cool running without the need for a fan and an auto standby function kicks in after 20 minutes of 'no signal' to save even more energy. (This can be deactivated if required).

Individual bass and treble controls are provided on the rear.

There are 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.

- Class-D amp with LO-Z/Hi-Z switchable output.
- Line input for emergency signal with contact closure & priority over other inputs
- 2 switchable mic/line inputs with switchable 24 V phantom power
- Switchable chime feature on Mic/Line 1
- 2 line inputs with RCA (cinch) sockets & Bluetooth 4.0 interface (mono summed)
- Balanced AUX line output music mix / selected source output switch
- Separate bass & treble controls on the rear
- 4 priority settings for comprehensive integration options
- Switchable auto standby mode
- User-friendly control panel design for intuitive operation
- Clearly arranged and labelled sockets and switches on the rear
- Universal wide range switching power supply
- Half-rack width, 2U high
- Optional 19" rack mount kit (LDIMA RK) mounts one or two LDIMA amps side by side in a single 2U space

Specifications

| | IMA30 | IMA60 | IMA120 | IMA240 |
|--|--|--------------|---------------|---------------|
| Emergency input | 1 balanced line input | | | |
| Mic/ line inputs | 2 | | | |
| Music sources | 2 unbalanced stereo line inputs, Bluetooth 4.0 | | | |
| Line outputs | 1 | | | |
| Powered outputs | 1 with output mode selector (Low-Z/High-Z) | | | |
| Cooling | Convection | | | |
| Priority levels | 4 | | | |
| Emergency Input Connector | 5-pin Terminal Block, pitch 5.08mm | | | |
| Connector Mic/Line1 | 5-pin Terminal Block, pitch 5.08mm, XLR/6.3 mm jack | | | |
| Connector Mic/Line 2 | 1 dual RCA Mono Summed, 3-pin Terminal Block, pitch 5.08 mm | | | |
| Connector CD/AUX | 2 x dual RCA Mono Summed | | | |
| Amplifier Outputs | High-Z: 70V or 100V outputs, Low-Z: 4 ohm minimum load | | | |
| Preamplifier input | 5-pin Terminal Block, pitch 5.08mm | | | |
| RMS Power (Continuous sine wave 1kHz, 4 ohm load) | 35 W | 65 W | 120 W | 240 W |
| Protection circuits | Audio Limiter, over-current, short circuit, thermal overload | | | |
| Connector AUX-output | 3-pin Terminal Block, pitch 5.08 mm | | | |
| Operating voltage | 100 V AC - 240 V AC, 50 - 60 Hz | | | |
| Power consumption (max. / standby) | 70 W / <1W | 95 W / <1W | 165 W / <1W | 300 W / <1W |
| Idle power consumption (no input signal) | 7 W | 7.5 W | 13 W | 7.5 W |
| Time to Auto-standby | 20 minutes | | | |
| Dimensions (W x H x D) (height with rubber feet) | 210 x 96.5 x 266.76 mm | | | |
| Optional accessories | IMA RK Rack mounting hardware | | | |
| Weight | 2.39 kg | 2.39 kg | 3.01 kg | 3.5 kg |

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