

PLE-1MExx0-xx Plena Mixer Amplifier

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Advantage Line

These Plena Economy mixer amplifiers are professional public address units with modern state-of-the-art features. They are easy to use, taking the complexity away from the user and putting it where it belongs, inside the equipment. Providing a crisp call or clear music is as easy as turning on the radio. Offering the essentials of public address in an affordable package.

Features

- ▶ 4 microphone / line inputs, plus music source input
- ▶ Announcement only output, 3-wire volume override
- ▶ Wide range of output power (60, 120 and 240 Watts)
- ▶ 2-tone chime

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Technical Specifications

Electrical	
Mains power supply	
Voltage -EU versions	230 VAC $\pm 10\%$, 50/60 Hz (reduced power at lower mains voltage)
Voltage -CN versions	220 VAC $\pm 10\%$, 50/60 Hz (reduced power at lower mains voltage)
Voltage -US versions	120 VAC $\pm 10\%$, 50/60 Hz (reduced power at lower mains voltage)
Inrush current PLE-1ME060-EU or -CN	5 A
Inrush current PLE-1ME120-EU or -CN	10 A
Inrush current PLE-1ME240-EU or -CN	12 A
Inrush current PLE-1ME060-US	10 A
Inrush current PLE-1ME120-US	20 A
Inrush current PLE-1ME240-US	24 A
Power consumption	
PLE-1ME060-xx	200 VA
PLE-1ME120-xx	400 VA
PLE-1ME240-xx	800 VA
Performance	
Frequency response (Line)	60 Hz to 20 kHz (+1/-3 dB @ -10 dB ref. rated output)
Frequency response (Mic.)	70 Hz to 20 kHz (+1/-3 dB @ -10 dB ref. rated output)
Distortion	<1% @ rated output power, 1 kHz
Bass Control	Max. ± 8 dB
Treble Control	Max. ± 8 dB
Mic./Line input	
Input 1 (push-to-talk contact with priority)	5-pin Euro style, balanced, phantom
Input 2	3-pin Euro style, balanced, phantom
Input 3 and 4	TRS Jack (1/4, 6.3mm) balanced
Sensitivity	1 mV (mic.); 300 mV (line)
Impedance	>1 kohm (mic.); >5 kohm (line)
Dynamic range	93 dB
S/N (flat at max volume)	>63 dB (mic.); >70 dB (line)
S/N (flat at min volume/muted)	>75 dB
CMRR (mic.)	>40 dB (50 Hz to 20 kHz)
Headroom	>25 dB
Speech filter	-3 dB @ 315 Hz, high-pass, 6 dB/oct
Phantom power supply	16 V via 1.2 kohm (mic.)
Music input	
Connector	Cinch, stereo converted to mono
Sensitivity	200 mV
Impedance	22 kohm
S/N (flat at max volume)	>75 dB
S/N (flat at min volume/muted)	>80 dB
Headroom	>25 dB
Loudspeaker output	
Connector	Screw terminal, floating
Max / rated PLE-1ME060-xx	90 W / 60 W
Max / rated PLE-1ME120-xx	180 W / 120 W
Max / rated PLE-1ME240-xx	360 W / 240 W

Loudspeaker output 4 ohm	
Connector	Screw terminal, floating
PLE-1ME060-xx	15.5 V (60 W)
PLE-1ME120-xx	22 V (120 W)
PLE-1ME240-xx	31 V (240 W)
Mechanical	
Dimensions (H x W x D)	100 x 430 x 270 mm (19" wide, 2U high)
Mounting	Stand-alone, 19" rack
Color	Charcoal
Weight	
PLE-1ME060-xx	Approx. 6.5 kg
PLE-1ME120-xx	Approx. 8.9 kg
PLE-1ME240-xx	Approx. 10.5 kg
Environmental	
Operating temperature	-10 °C to +45 °C
Storage temperature	-40 °C to +70 °C
Relative humidity	<95%
Acoustic noise level of fan (PLE-1ME240-xx)	<48 dB SPL @ 1 m
Certifications and Approvals	
Safety	acc. to EN 60065
EMC emission	acc. to EN 55103-1
EMC immunity	acc. to EN 55103-2
Parts Included	
Quantity	Components
1	PLE-1MExx0-xx Plena Mixer Amplifier
1	Power cord
1	Manual
1	Plena Easy Line CD
Ordering Information	
PLE-1ME060-EU Plena Mixer Amplifier	PLE-1ME060-EU
PLE-1ME120-EU Plena Mixer Amplifier	PLE-1ME120-EU
PLE-1ME240-EU Plena Mixer Amplifier	PLE-1ME240-EU
PLE-1ME060-US Plena Mixer Amplifier	PLE-1ME060-US
PLE-1ME120-US Plena Mixer Amplifier	PLE-1ME120-US
PLE-1ME240-US Plena Mixer Amplifier	PLE-1ME240-US
PLE-1ME060-CN Plena Mixer Amplifier	PLE-1ME060-CN
PLE-1ME120-CN Plena Mixer Amplifier	PLE-1ME120-CN
PLE-1ME240-CN Plena Mixer Amplifier	PLE-1ME240-CN

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