

Bosch PLE-2MA120-US 2-Channel/120 Watt Mixer Amplifier

Mains power supply	
Voltage	115 - 230 VAC ±10%, 50/60 Hz
Inrush Current PLE-2MA120-US	8/16 A (230/115 VAC)
Inrush Current PLE-2MA240- US	9/19 A (230/115 VAC)
Battery power supply	
Voltage	24 VDC ±15%
Current PLE-2MA120- US	6 A
Current PLE-2MA240- US	12 A
Charge current	0.5 ADC
Charge float voltage	27.3 VDC
Power consumption	
PLE-2MA120- US (mains)	400 VA
PLE-2MA240- US (mains)	800 VA
Performance	
Frequency response	50 Hz to 20 kHz (+1/-3 dB @ -10 dB ref. rated output)
Distortion	<1% @ rated output power, 1 kHz
Low Control	Max -12/+12 dB (frequency is setting dependent)
High Control	Max -12/+12 dB (frequency is setting dependent)
RJ-45 input	2 x
Call station input	For PLE-2CS(MM)
Wall panel input	For PLE-WP3S2Z
Mic/Line input	6 x
Input 1	5-pin Euro style, balanced, phantom
Input 2-6	3-pin Euro style, balanced, phantom
Sensitivity	1 mV (mic); 200 mV (line)
Impedance	>1 kohm (mic); >5 kohm (line)
S/N (flat at max volume)	63 dB
S/N (flat at min volume/muted)	> 5 dB
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	>17 dB
Speech filter	-3 dB @ 315 Hz, high-pass, 6 dB/oct
Phantom power supply	16 V via 1.2 kohm (mic)
Speech filter	-3 dB @ 315 Hz, high-pass, 6 dB/oct
VOX (input 2)	Attack time 150 ms; release time 2 s
Music inputs	3x
Connector	RCA, stereo converted to mono
Sensitivity	200 mV
Impedance	22 kohm
S/N (flat at max volume)	>70 dB
S/N (flat at min volume/muted)	>75 dB
Headroom	>25 dB
Emergency / telephone	1 x
Connector	7-pin, Euro style pluggable screw terminal
Sensitivity tel	1 V maximum
Sensitivity 70V	70 V maximum
Impedance	>10 kohm
S/N (flat at max volume)	>65 dB

VOX	Threshold 50 mV; attack time 150 ms; release time 2 s
Insert	1 x
Connector	RCA
Nominal level	1 V
Impedance	>10 kohm
Master/music output	1 x
Connector	3-pin Euro style, balanced
Nominal level	1 V
Impedance	<100 ohm
Loudspeaker outputs 25 / 70 V and 4 ohm*	
Connector	Screw, floating
Max / rated PLE-2MA120-US	180 W / 120 W
Max / rated PLE-2MA240-US	360 W / 240 W
Loudspeaker output 4 ohm*	
Connector	Euro style pluggable screw terminal, floating
PLE-2MA120-US	31 V (120 W)
PLE-2MA240-US	44 V (240 W)
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-2MA120-US)	Approx. 23.2 lb
Weight (PLE-2MA240-US)	Approx. 27.6 lb
Operating temperature	+14 °F to +131 °F
Storage temperature	-40 °F to +158 °F
Relative humidity	<95%
Acoustic noise level of fan	<40 dB SPL @ 1 m temperature controlled