

BYFORD AUDIO

MA-120-USB

Compact Mixer Amplifier

Exceptional Audio Performance

Description

For background/foreground music and paging applications, MA series all-in-one amplifier is designed to deliver premium sound, provide simplified set up and easy daily operation and offer the flexibility to expand when more loudspeakers are required. This amplifier series integrates USB, Mp3, TF card, record, paging and amplification for a wide range of commercial applications such as retail stores, restaurants and bars, hospitality venues, conference Rooms, schools and auxiliary zones.

A compact mixer amplifier combines convenience, versatility, and performance in a single unit, catering to a wide range of audio needs from small-scale events to practice sessions and presentations. Its integrated design simplifies setup and operation while offering essential features for quality audio amplification and control. Whether for professional use or personal enjoyment, a compact mixer amplifier is a valuable tool in the audio arsenal of musicians, presenters, educators, and entertainers alike.

Features:

- 1) The MA-120-USB amplifiers are comprehensive all-in-one mixer amplifier solution for commercial and industrial applications. These low-cost units provide all necessary features in a simple building.
- 2) Three line & two microphone inputs with Euro block & RCA jacks.
- 3) Acceptable wide range input level.
- 4) USB, MP3 Player
- 5) 120W rated power output
- 6) Advance protection system includes current limiting, over current & thermal protections.
- 7) Two band tone controls
- 8) Low distortion and low noise level
- 9) Compact size and light weight
- 10) Ideal for commercial and industrial use.



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Benefits:

- **All-in-One Solution:** Eliminates the need for separate mixer and amplifier units, reducing setup time and complexity.
- **Portability:** Ideal for offices, restaurants, presenters, small retail shop & educators who need a compact yet capable audio solution.
- **Cost-Effective:** Often more affordable than purchasing separate mixer and amplifier units.
- **Ease of Use:** Simplifies audio management with integrated controls and straightforward connectivity options.
- **Space-Saving:** Especially valuable in venues or settings where space is limited.

Specifications

Performance	
	MA-120-USB
Input Sensitivity for full output at maximum gain	
Microphone Channels	-50dB ± 3dB
LINE , AUX Channels	-6dB ± 3dB
Frequency Response	
at 1watt from speaker out tap, 80Hz ~17kHz	+1.0/-3dB
Tone Controls	
100Hz,10kHz	±10dB±3dB
Signal to Noise Ratio at rated power output	> 80dB
Crosstalk at all control maximum	-65dB at 1kHz
Rated Output Power at THD 1.0%	120 Watts
Total Harmonic Distortion(THD) at 1kHz rated power	Less than 1.0%
Power Band Width at 1kHz from speaker out tap	80Hz~17kHz with less than 1.0% THD
Mute Function Priority	SD Card>CH1 VOX>CH1,CH2,CH3,Media
Operating Temperature/Humidity at non-condensing	0°~40°C at 90% humidity
Output Voltage and Impedance	
4Ω	22V
70V	41Ω
100V	83Ω
Construction	
Cooling	Convection Cooled
Dimensions (Width/Height/Depth)	270 mm X 60 mm X 190 mm
Net Weight	3.30 kg

Necessary modifications are carried out without notice

Specifications are subject to be changed without notice.



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