



Professional Public Address System

EMMA-3120 / 3120SRD / 3120S 120W Mixing Amplifier with Zone Selector



The EMMA-3120 mixing amplifier provides a low impedance 8 Ohm and 70V/100V line output. Two front panel switches are provided to extend the 100V line output to 2 separate zones.

The EMMA-3120SRD unit incorporates a digital AM/FM tuner and CD player for easy selection of music sources.

The EMMA-3120S 120W BGM/Paging mixing amplifier is all about high performance and reliability. It is a compact four microphone input amplifier designed to meet all standard installation requirements. Built-in digital AM/FM tuner and auto reverse cassette player.

Input connections available include balanced 3-pin XLR for microphones and stereo RCA for music sources. A built-in phantom power supply for condenser microphones is included for all microphone inputs.

FEATURES

Multiple Microphone and Auxiliary Input

Consist of four microphone input channels and one auxiliary input with separate volume controls. Each microphone channel will accept balanced phantom microphone input.

Various Impedance Speaker Output

Provide 100V, 70V and 25V line output with 8 Ohm low impedance speaker output through the terminal connector. The unit also provides two unbalanced 1V Line Output in dual RCA sockets each, for purpose of connecting to tape recorder and cascading to external power amplifier.

Two Selectable Speaker Zone

2 Selectable Speaker Zone with 100V line output allows the user to address any speaker zone selectively.

Chime Tone Generation

2 Built-in Chime tone generation which allows for pre-announcement tone notification.

VOX Muting Circuitry

VOX circuitry for Microphone 1 which allows the muting of Microphone 2 to Microphone 4.

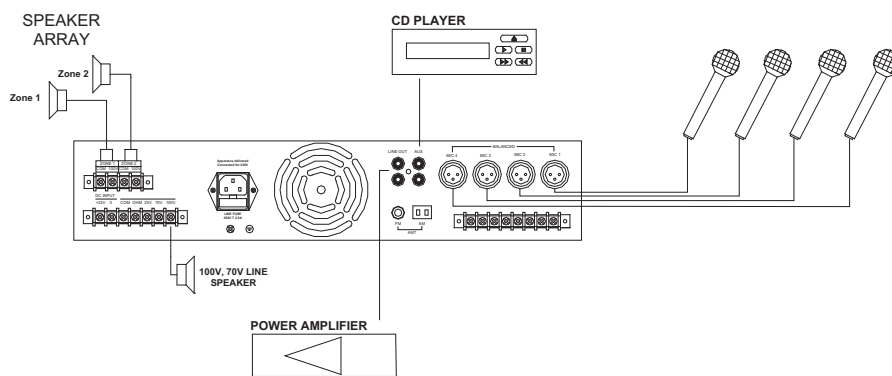
Powered by 24VDC or Mains

Can be powered by the Mains or a 24VDC backup supply.

Model	CD Player	Cassette Player	Tuner
WOW / Flutter	-	<=0.45%	-
Tape Speed	-	2940 ~ 3090 Hz	-
Tuning Range	-	-	FM: 87.5 ~ 108 MHz
Frequency Response	30Hz ~ 18KHz	125Hz ~ 8KHz	30Hz ~ 15KHz
Distortion	< 0.1%	< 3%	< 1%
Signal Noise Ratio	> 80dB	> 40dB	> 63dB

TECHNICAL SPECIFICATIONS

Power Requirement	240VAC / 24VDC
Rated Output	120W
Max Ac Power Consumption	400W
Max Dc Power Consumption	8A
Total Harmonic Distortion	< 1% / 1KHz
Frequency Response	60Hz ~ 15KHz +/- 3dB
Input	MIC1 to MIC 4 : - 1.0mV, 250 Ohms, Balanced, XLR Female AUX : - 200mV, 47Kohms, unbalanced, RCA pin jack TEL : - 0.1~1V, 600 Ohm, adjustable, balanced
Signal / Noise Ratio	All Volume Controls C.C.W : 75dB below rated power Mic 1 ~ Mic 4 : 60dB below rated power AUX : 70dB below rated power TEL : 70dB below rated power
Output	Speaker Outputs : - 8 Ohm, 25V, 70V, 100V Line Output : - 1V, 600 Ohm MOH output : - 8 Ohm 1 Watt / 600 Ohm, 1V Balanced
Indicators	Output Level and Power
Chime	Two tone chime
Number Of Zones	2 ZONES
Zone Selection	2 Zones via Front Panel Push Button
Priority	MICROPHONE 1
Tone Controls	Bass / Treble : +/- 10dB at 100Hz
Dimension (W X H X D)	430mm X 88.9mm X 300mm
Weight (Max)	~ 10 KG
Front Panel Indicator	VU METER for Line output 5MM LED Power Indicator



Connection Diagram

Specifications and design are subjected to change without notice for improvements.