

Description

The MPA booster series have an RJ45 input for connection to MBT 1101 pre-amplified microphone bases simply by means of SFTP CAT.5E shielded cables. There is a special balanced input (TEL/EMERG) with a transformer and automatic activation of precedence (VOX) on the rear panel. Controls for adjusting the level and the activation threshold are present on the rear panel. This input can be used for connecting the appropriate audio output of a telephone switchboard. This equipment has a large number of devices for protection against overloads and short circuits (an output current peaklimiting circuit, a thermal circuit-breaker inside the power transformer, a resettable thermal circuit-breaker in contact with the power-transistor heat sink, mains fuses). In addition, each unit has a cooling fan, with automatic control of the speed depending on the temperatures of the heat sinks to which the power devices are applied.

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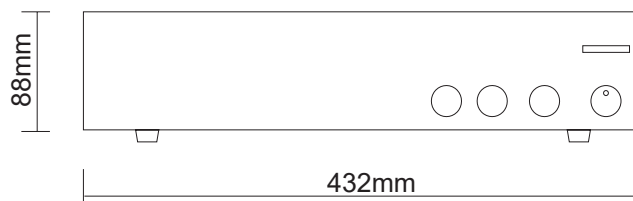
MPA 5120 / 5240 / 5480 CLASS D POWER AMPLIFIER



Main features

- Balanced line in/out (XLR-F and XLR-M sockets)
- Unbalanced line input (double RCA socket)
- MBT 1101 microphone station input (RJ45 socket)
- Telephone/Emergency audio input for priority calls with adjustable threshold and sensitivity
- Front panel overall volume control and treble/bass controls
- Rear panel selector switch for enabling/disabling front-panel tone and volume controls
- Constant voltage (50/70/100V) or 8 Ohm impedance loudspeaker line output
- LED-type Vu meter for clear and immediate monitoring of output power
- Contacts for activating precedence on line input
- Alerting signal (chime) with level control
- Selectable 230/115Vac and 24Vdc mains power supply

Dimensions



Technical Data

	MPA 5120	MPA 5240	MPA 5480
Rated output power	120W	240W	480W
Constant voltage outputs	50 - 70 - 100V	50 - 70 - 100V	50 - 70 - 100V
Low impedance outputs	8 Ohm	8 Ohm	8 Ohm
Distortion at rated power	<1%	<1%	<1%
TONE CONTROLS			
Bass tones @ 100Hz / Treble tones @ 10kHz	±10dB / ±10dB	±10dB / ±10dB	±10dB / ±10dB
LINE INPUT			
Sensitivity / Impedance	300mV / 60kOhm	300mV / 60kOhm	300mV / 60kOhm
S/N Ratio	>77dB	>77dB	>77dB
Frequency response	30 - 20.000Hz	30 - 20.000Hz	30 - 20.000Hz
IN UNITS INPUT			
Sensitivity	1250mV	1250mV	320mV
S/N Ratio	>78dB	>78dB	>78dB
Frequency response	30 - 20.000Hz	30 - 20.000Hz	30 - 20.000Hz
TELEPHONE INPUT			
Sensitivity / Impedance	120mV / 6kOhm	120mV / 6kOhm	120mV / 6kOhm
SN/Ratio	>75dB	>75dB	>75dB
Frequency response	230 - 13.000Hz	230 - 13.000Hz	230 - 13.000Hz
OPERATING CONDITIONS			
Mains power supply 230V ± 10% 50/60Hz	P=280W; A=320VA	P=535W; A=610VA	P=1160W; A=1330VA
Mains power supply 115V ± 10% 50/60Hz	P=260W; A=330VA	P=490W; A=560VA	P=1025W; A=1170VA
External DC power supply	24V / 6,6A (0,2A @ Pout=0W)	24V / 13,2A (0,2A @ Pout=0W)	24V / 33A (0,8A @ Pout=0W)
Dimensions (W x H x D)	432 x 88 x 272mm	432 x 88 x 272mm	432 x 88 x 272mm
Weight	8,2Kg	10,5Kg	16Kg