PUBLIC ADDRESS / AMPLIFIERS / MONO

MAX-120Z

PA MULTI-ZONE AMPLIFIER







CLASS D

EMERG / CH1-3 PRIORITY INPUT

3 ZONES (100 V)

RADIO

USB

- Class D amplifier and SMPS switched power supply
- Speaker output zones with volume control
- USB/FM player
- Emergency and mute input for connection to alarm and evacuation systems
- 24 V attenuators priority

+ Info:
https://fonestar.com/MAX-120Z

ESPECIALLY RECOMMENDED IN:



Factories | Sports facilities | Hospitality | All sectors

DESCRIPTION

120 W RMS multi-zone amplifier. 3 speaker zones.

TECHNICAL CHARACTERISTICS

FEATURES	Class D PA amplifier and SMPS switch-mode power supply. USB/FM player. Microphone inputs with mix, gain and priority level control. Ring tone generator (Chime). 3 auxiliary inputs. Emergency and mute input for connection to alarm and evacuation systems. 24 V attenuator priority. Tone controls. 100 V, 70V and 4 Ohm outputs. 3 output zones with volume control and Off.
POWER	120 W RMS
RESPONSE	45-22,000 Hz -10 dB (@5W)
DISTORTION	THD+N: <0.5% at 1 kHz
S/N RATIO	Mic >75 dB, Line >83 dB, Aux >81 dB
PROTECTIONS	Soft start, overcurrent, overload, temperature and short circuit
INPUTS	CH 1 mic/line balanced with 48V phantom. Combo connector (XLR + 6.3mm) and euroblock. Contact closure ring tones. CH 2 and 3 microphone/line balanced with Phantom 48V. Euroblock connector. Contact closure ring tones. Mic signal level: 5.6 mV RMS (-45 dBV) / 600 Ohm. Line signal level: 250 mV RMS (-12 dBV) / 100k Ohm. 3 x AUX. 2 x RCA connectors. Signal level 316 mV RMS (-10 dBV) / 47.000 Ohm. 1 x emergency. Euroblock connector. Signal level: line 326 mV RMS (-10 dBV) or 100 V line. Mute (Emergency Priority) by contact closure. Euroblock connector. 1 x Amp-in. RCA connector. signal level 1.2 V RMS (+ 1.5 dBV).
OUTPUTS	1 REC. 2 x RCA connector. Signal level 316 mV RMS (-10 dBV). Pre-master. 1 Pre-out. RCA connector. Signal level 1.2 V RMS (+1.5 dBV). 100 V, 70 V or 4 Ohm speaker output, or 3 zones of 100 V speakers with 7 positions volume selector and OFF. Euroblock connector. 1 attenuator priority, 24 V 100 mA and contact closure. Euroblock connector.



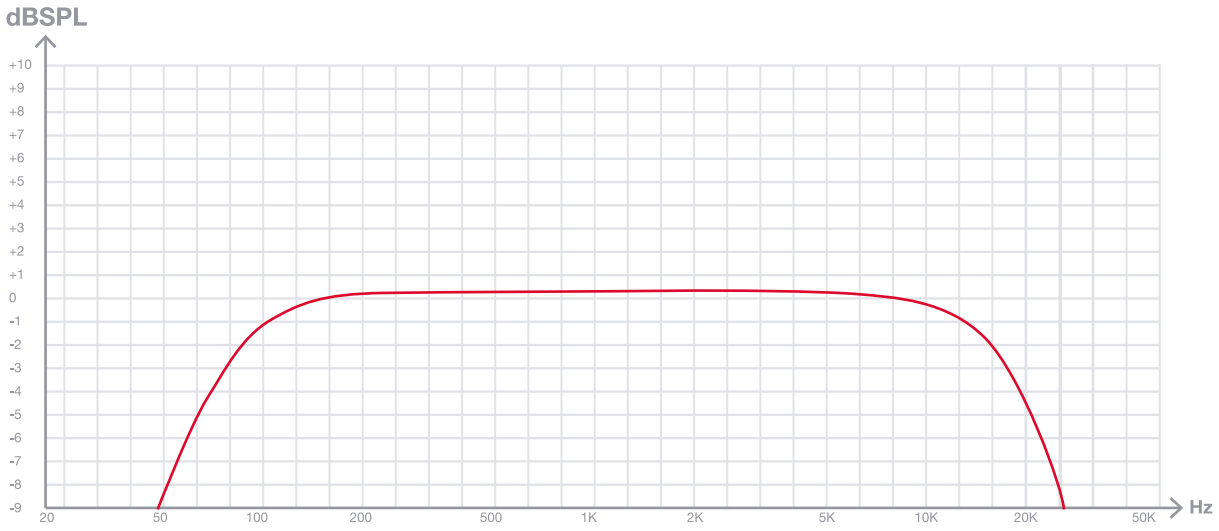
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IMPEDANCE	4 Ohm and 100 V line (83Ohm) and 70 V (41 Ohm), euroblock
FUNCTIONS	Priority of entries (in order of attenuation): · 100V Emergency Input with selectable signal level (VOX) · Mute by closing contacts · Microphone 1 with selectable signal level (VOX) · Channels 2 | 3 with selectable signal level shared CH 2-3 (VOX) · Auxiliary Inputs | Player Light ignition ring in volume control, AUX input indicators, zones and player. Indicator lights for power, signal, clip, priority activation and protection Induction cooling, fanless. Silent and maintenance free
PLAYER	USB/FM player for background music playback Autoplay, playback starts automatically when power is switched on Memory of last selected mode Play mode memory (random, repeat)
CONTROLS	Microphone volume Master volume Aux or player input selector Zones with power on and 7 volume positions Tone: bass and treble (+/- 10 dB 100 Hz and 10k Hz) Mic/line/phantom selector, ring tones and priority Ring tone level (chime) Priority activation signal level (VOX)
TEMPERATURE	Operation: -10° ~ 40°C Storage: -20° ~ 60°C
MAXIMUM HUMIDITY	90%
POWER SUPPLY	230/115 V AC 50-60Hz Power consumption: 175 W AC fuse 230 V 2 A / 115 V 4 A
DIMENSIONS	430 x 89 x 320 mm depth. 2 U 19" rack
WEIGHT	7 kg
ACCESSORIES	FM Antenna Power cable Rack mounts



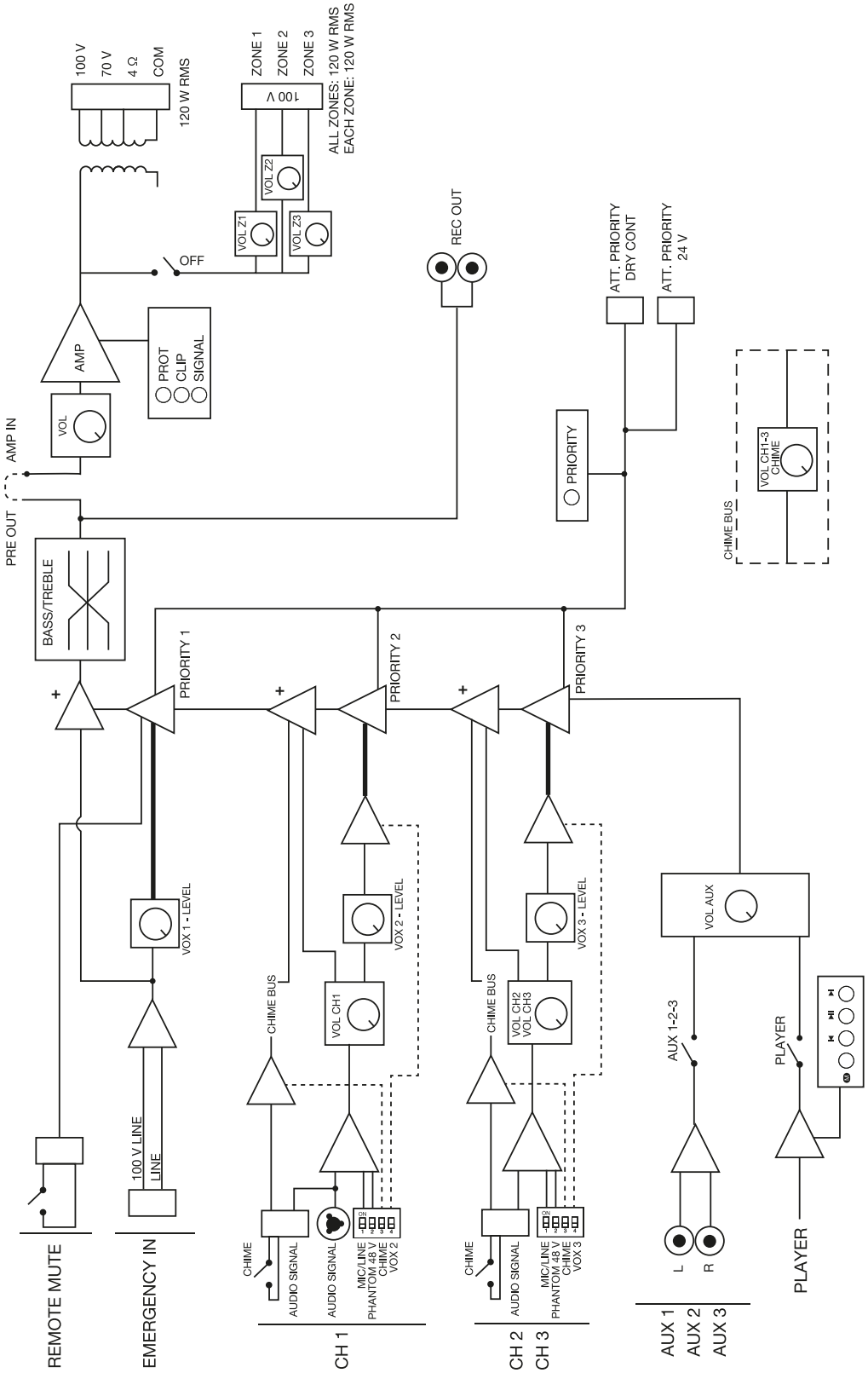
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SPL vs Frequency

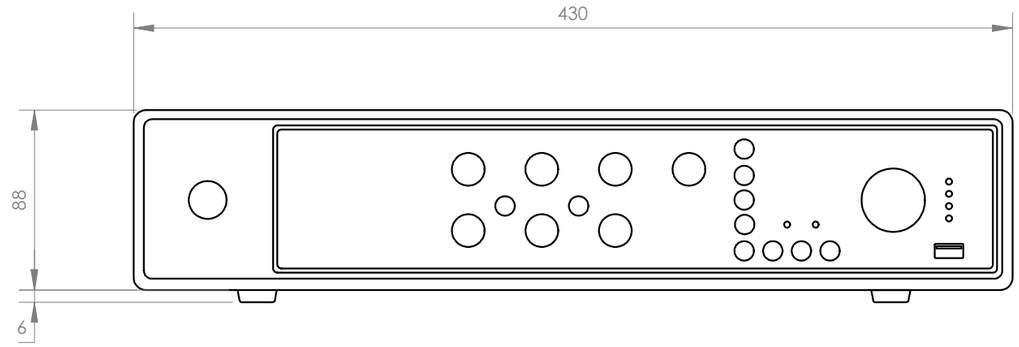


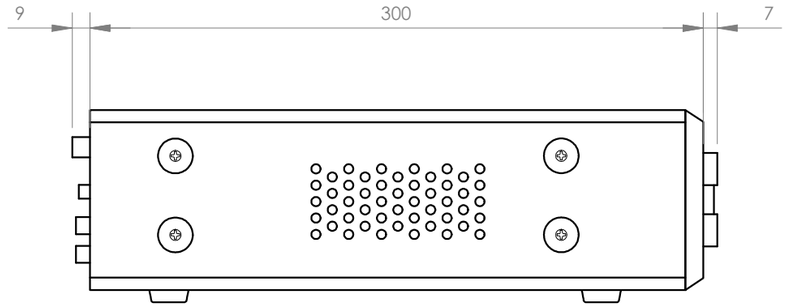
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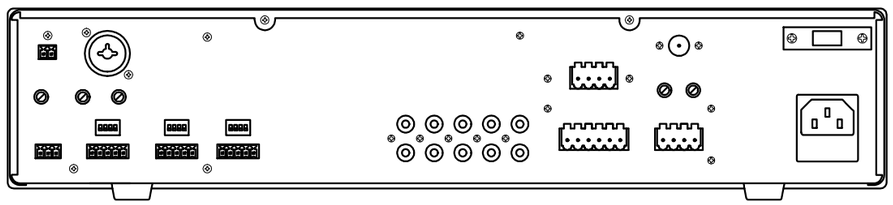
Block diagram



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FONESTAR	Model	Description	Units	Scale
	MAX-120Z	PA MULTI-ZONE AMPLIFIER	mm	1:3