PUBLIC ADDRESS / AMPLIFIERS / MONO

MAX-240Z

PA MULTI-ZONE AMPLIFIER







CLASS D | EMERG / CH1-4 PRIORITY INPUT | 4 ZONES (100 V) | RADIO | USB

- Class D amplifier and SMPS switched power supply
- Speaker output zones with volume control
- Bluetooth®/USB/FM player
- Emergency and mute input for connection to alarm and evacuation systems
- Attenuator priority 24 V and 3rd priority wire

+ Info:
https://fonestar.com/MAX-240Z

ESPECIALLY RECOMMENDED IN:



Factories | Sports facilities | Hospitality | All sectors

DESCRIPTION

240 W RMS multi-zone amplifier. 4 speaker zones.

TECHNICAL CHARACTERISTICS

FEATURES	Class D PA amplifier and SMPS switch-mode power supply. Bluetooth/USB/FM player. ZONEMIC-6 zone microphone input. Input for remote wall panel. Microphone input with mix, gain and priority level control. Ringtone generator (Chime). 3 auxiliary inputs. Emergency input and mute for connection to alarm and evacuation systems. 24 V attenuator priority. 3rd wire output (100 V) with attenuator priority. Tone controls. 100 V, 70 V and 4 Ohm outputs. 4 outputs zones with volume control and Off.
POWER	240 W RMS
RESPONSE	45-22,000 Hz (-10 dB)
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	Zone microphone ZONEMIC-6, RJ45, up to 200 m cable length Remote wall panel, RJ45, 2 x 250 mV RMS (-12 dBV) CH 1, 2, 3 and 4 balanced mic/line with Phantom 48V. Combo connector (XLR + 6.3 mm) and euroblock. Ring tones by contact closure 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 connector. 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 Amp-in. RCA connector. Signal level 1'2 V RMS (+ 1'5 dBV)

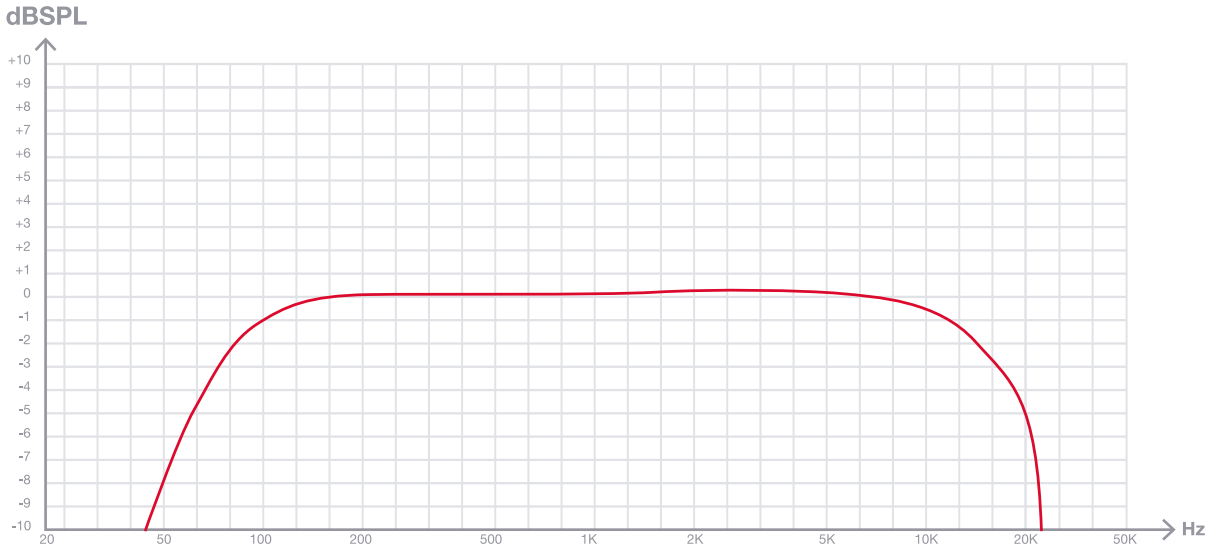


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OUTPUTS	1 REC. 2 x RCA connector. Signal level 316 mV RMS (-10 dBV). Pre-master. 1 Pre-out. RCA connector. Signal level 1.2 V RMS (+1.5 dBV) 100 V, 70 V or 4 Ohm speaker output, or 4 x 100 V speaker zones with 7-position volume selector and OFF. Euroblock connector 1 Attenuator priority, 24 V 100 mA and contact closure. Euroblock connector 1 3rd priority wire for attenuators (100 V)
IMPEDANCE	4 Ohm, 100 V line (42 Ohm) and 70 V (20 Ohm), euroblock
FUNCTIONS	Input priority (in attenuation order): · 100 V Emergency Input with selectable signal level (VOX) · Mute by contact closure · ZONEMIC-6 zone microphone · Remote wall panel · Channel 1 with selectable signal level (VOX) · Channels 2 | 3 | 4 with shared selectable signal level CH 2-3-4 (VOX) · Auxiliary Inputs | Player Power ring light on volume control, AUX input, zone and player indicators. Power, signal, clip, priority activation and protection indicator lights Induction cooling, fanless. Silent and maintenance-free
PLAYER	Bluetooth/USB/FM player for background music playback Bluetooth 5.3 Autoplay, starts playback automatically when switched on Memory of the last selected mode Playback 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, call tones and priority Call 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: 345 W AC fuse 230 V 4 A / 115 V 8 A
DIMENSIONS	430 x 89 x 320 mm depth. 2 U 19" rack
WEIGHT	8.8 kg
INCLUDES	FM antenna Bluetooth antenna Power cable Rack mounts
OPTIONAL	ZONEMIC-6: Zone microphone

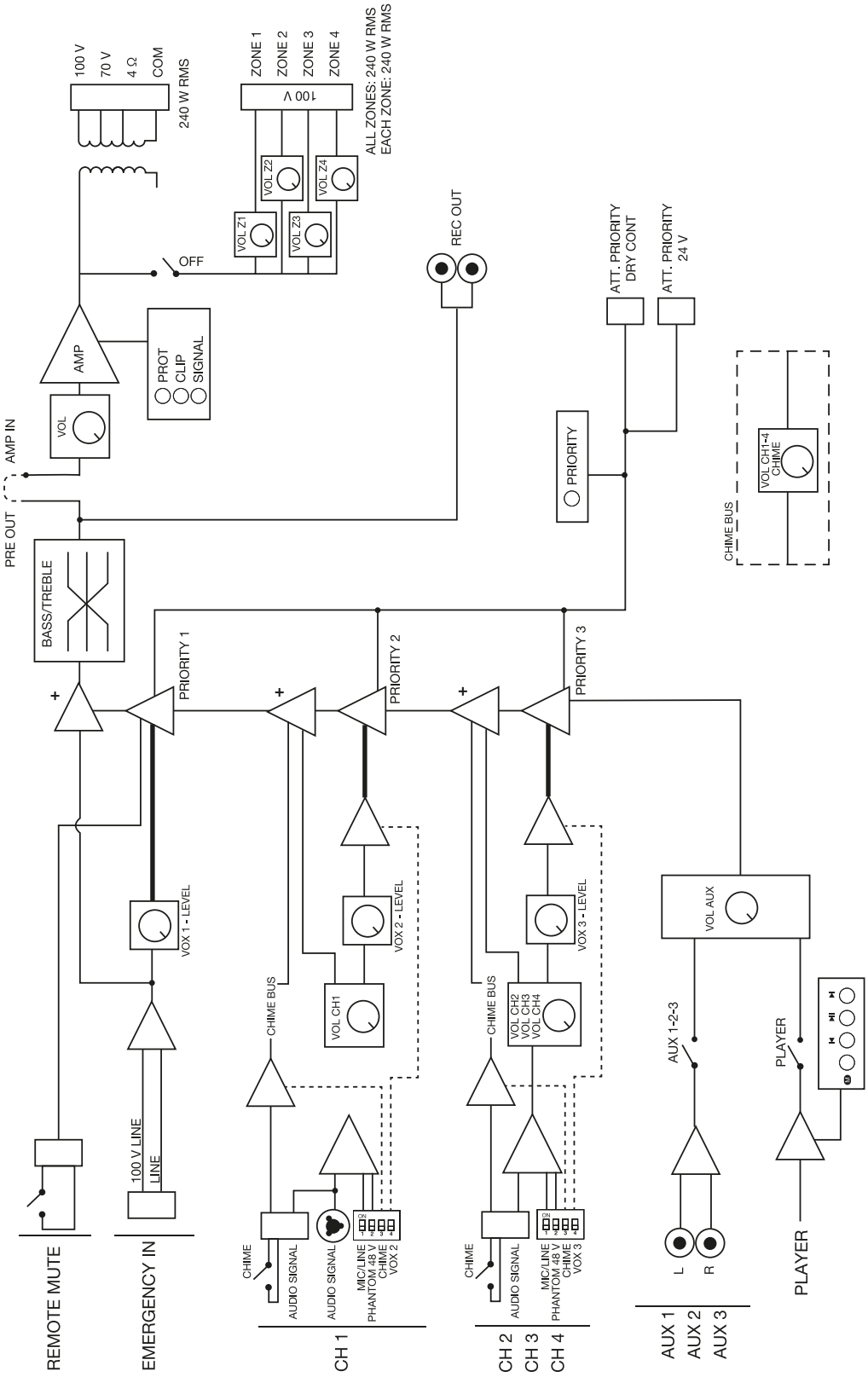
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SPL vs Frequency

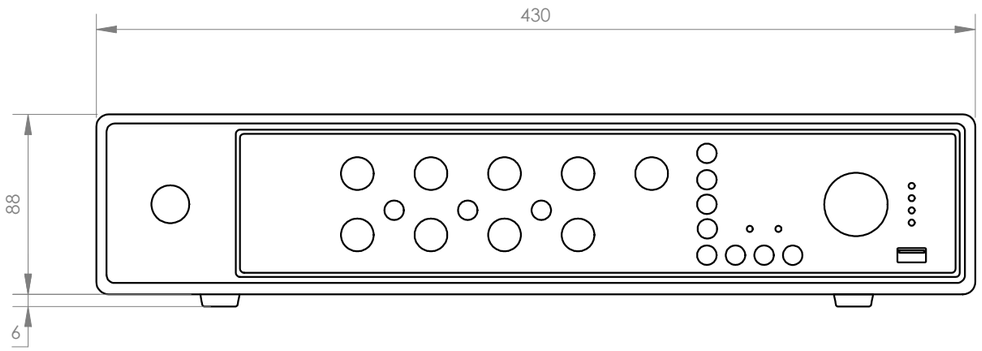


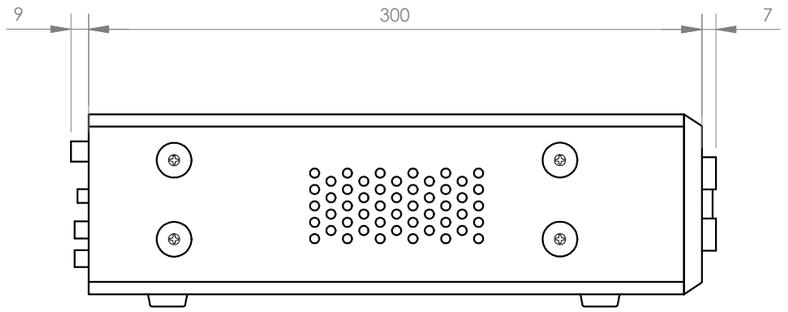
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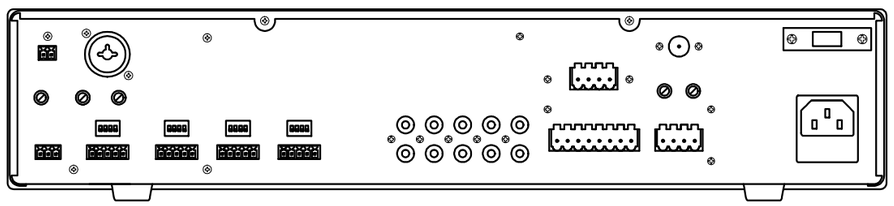
Block diagram



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FONESTAR	Model	Description	Units	Scale
	MAX-240Z	PA MULTI-ZONE AMPLIFIER	mm	1:3