

PUBLIC ADDRESS / AMPLIFIERS / MONO

MAX-600Z

PA MULTI-ZONE AMPLIFIER



- ✔ Class D amplifier and SMPS (Switched-Mode Power Supply), 600 W RMS
- ✔ 5 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-600Z>

ESPECIALLY RECOMMENDED IN:



Factories



Hospitality



Sports facilities



All sectors

DESCRIPTION

MAX-600Z: total control and professional sound for multi-zone installations

The MAX-600Z is a 600 W RMS multi-zone PA amplifier, designed for demanding installations that require individual zone control, high power, and maximum reliability. It features Class D technology and a SMPS switched-mode power supply, ensuring energy efficiency and reduced heat generation. It also includes a complete Bluetooth/USB/FM player and can be controlled via a wall-mounted remote panel or ZONEMIC-6 zone microphone.

Technical advantages of the MAX-600Z for professionals

The MAX-600Z stands out for its operational versatility and advanced features:

- 5 independent output zones with volume selector and off option.

- Flexible inputs: 5 mic/line channels with phantom power, 3 auxiliary RCA, and emergency input.

- Priority control via chime tones, contact closures, attenuator priority, and emergency input.

- Fanless silent cooling, ideal for environments requiring quiet and maintenance-free operation.

Why choose the MAX-600Z multi-zone PA amplifier?

This device is ideal for professional installers seeking reliability and control in public address systems for segmented spaces:

- Configurable speaker outputs at 100 V, 70 V or 4 Ohm, and multi-zone output option up to 240 W per zone.

- Built-in protections against overcurrent, overload, overheating, and short circuits.

- Precise controls: mix, gain, tone, priority level, and VOX with 7 adjustable levels.

- Compact design (2U, 19" rack), easy to integrate into fixed installation systems.



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TECHNICAL CHARACTERISTICS

FEATURES	<p>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. 5 outputs zones with volume control and Off.</p>
POWER	600 W RMS
RESPONSE	45-22,000 Hz (-10 dB)
DISTORTION	THD+N: <0.5% at 1 kHz
S/N RATIO	Mic >73 dB, Line >80 dB, Aux >84 dB
PROTECTIONS	Soft start, over-current, overload, over-temperature and short circuit
INPUTS	<p>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, 4 and 5 micro/line balanced with 48V phantom power. Combo (XLR + 6.3 mm) and euroblock. Ring tones for contact closure Mic signal level: 5'2 mV RMS (-45 dBV) / 600 Ohm Line signal level: 220 mV RMS (-13 dBV) / 100k Ohm 3 x AUX. 2 x RCA connector. Signal level 270 mV RMS (-11 dBV) / 47.000 Ohm 1 x emergency. Euroblock connector. Signal level: line 326 mV RMS (-10 dBV) or line 100 V Mute (Emergency Priority) by closing contacts. Euroblock connector 1 Amp-in. RCA connector. Signal level 1'2 V RMS (+ 1'5 dBV)</p>
OUTPUTS	<p>1 REC. 2 x RCA connector. Signal level 316 mV RMS (-10 dBV). Pre-master. 1 Pre-out. RCA connector. Signal level 1.2 mV RMS (+1.5 dBV) 100 V, 70 V or 4 Ohm speaker output, or 5 zones of 100 V loudspeakers with 7-position volume selector and OFF (max. 240 W per zone). Euroblock connector 1 Attenuator priority, 24 V 100 mA and contact closure. Euroblock connector 1 3rd priority wire for attenuators (100 V)</p>
IMPEDANCE	4 Ohm and 100 V (16.7 Ohm) and 70 V (8.17 Ohm) line, euroblock



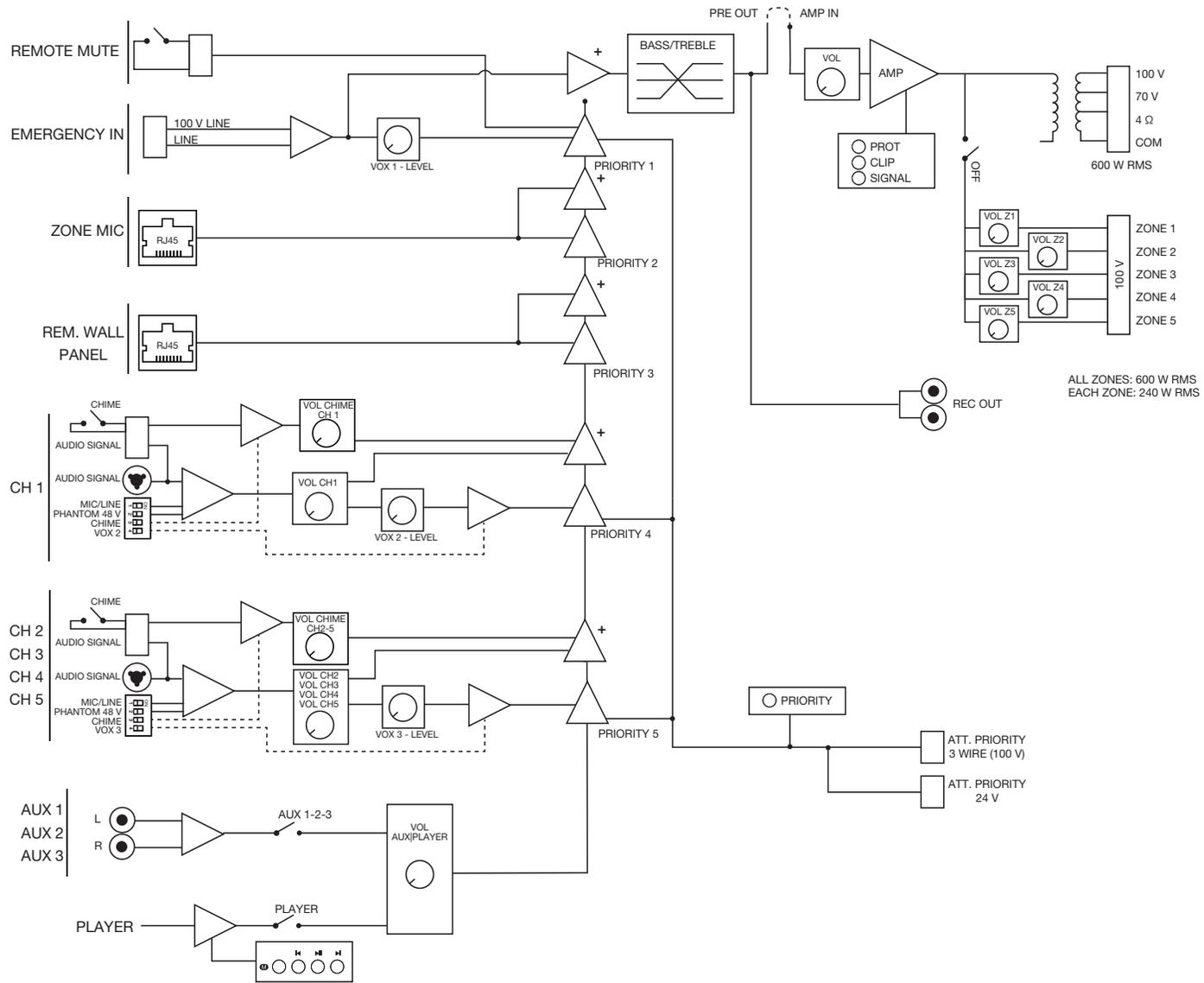
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FUNCTIONS	<p>Priority of entries (in order of attenuation):</p> <ul style="list-style-type: none"> · 100V Emergency Input with selectable signal level (VOX) · Mute by closing contacts · ZONEMIC-6 zone microphone · Remote wall panel · Microphone 1 with selectable signal level (VOX) · Channels 2 3 4 5 with selectable signal level shared CH 2-3-4-5 (VOX) · Auxiliary Inputs Player <p>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</p>
PLAYER	<p>Bluetooth/USB/FM player for ambient music playback</p> <p>5.3 Bluetooth</p> <p>Autoplay, starts playback automatically when switched on</p> <p>Memory of the last selected mode</p> <p>Playback mode memory (random, repeat).</p>
CONTROLS	<p>Microphone volume</p> <p>Master volume</p> <p>Auxiliary input selector or player</p> <p>Zones with power on and 7 volume positions</p> <p>Tone: bass and treble (± 10 dB 100 Hz and 10k Hz).</p> <p>Mic/line/phantom selector, ring tones and priority</p> <p>Ringing tone level (chime)</p> <p>Priority activation signal level (VOX)</p>
TEMPERATURE	<p>Operation: $-10^{\circ} \sim 40^{\circ}\text{C}$</p> <p>Storage: $-20^{\circ} \sim 60^{\circ}\text{C}$</p>
MAXIMUM HUMIDITY	<p>90%</p>
POWER SUPPLY	<p>230/115 V AC 50-60Hz</p> <p>Power consumption: 750 W</p> <p>AC fuse 230 V 8 A / 115 V 16 A</p>
DIMENSIONS	<p>430 x 89 x 320 mm depth. 2 U 19" rack</p>
WEIGHT	<p>12.1 kg</p>
ACCESSORIES	<p>FM antenna</p> <p>Bluetooth antenna</p> <p>Power cable</p> <p>Rack mounts</p>
OPTIONAL	<p>ZONEMIC-6: Zone microphone</p>



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Product:
MAX-600Z Block Diagram

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