PUBLIC ADDRESS / AMPLIFIERS / MONO

MAX-480Z

PA MULTI-ZONE AMPLIFIER

D	EMERG / CH1-5 PRIORITY INPUT	5 ZONES (100 V)	RADIO	BLUETOOTH	USB
CLASS D					

- ✓ Class D amplifier and SMPS switched power supply, 480 W RMS
- ✓ 5 x loudspeaker output zones with volume control
- ✓ Bluetooth/USB/FM player
- ✓ Emergency input and mute for connection to alarm and evacuation systems
- ✓ Attenuator priority 24 V and 3rd priority wire

+ Info:
https://fonestar.com/MAX-480Z

FONESTAR   Poligono Trascueto. 39600 Revilla de Camargo. Cantabria (España)

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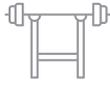
ESPECIALLY RECOMMENDED IN:

Factories   Sports facilities   Hospitality   All sectors

DESCRIPTION

MAX-480Z multi-zone PA amplifier: power and control for your projects

The MAX-480Z is a multi-zone PA amplifier with 480 W RMS power and Class D design, ideal for projects requiring advanced sound control in multiple areas. It features a built-in Bluetooth/USB/FM player and multiple inputs for microphones, emergency systems and auxiliary sources, making it a versatile and efficient tool for professional installations.

Unrivalled advanced performance and versatility

High power and clarity of sound: 480 W RMS with a response of 45-22,000 Hz and minimum distortion (THD+N:

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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. 5 outputs zones with volume control and Off.
POWER	480 W RMS
RESPONSE	45-22,000 Hz (-10 dB)
DISTORTION	THD+N: <0.5% a 1 kHz
S/N RATIO	Mic >75 dB, Line >83 dB, Aux >81 dB
PROTECTIONS	Soft start, over-current, overload, over-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, 4 and 5 micro/balanced line with Phantom 48V. Combo (XLR + 6.3 mm) and euroblock. Ringtones for closing contacts 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 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)
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 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)
IMPEDANCE	4 Ohm, 100 V (20 Ohm) and 70 V (10 Ohm) line, euroblock

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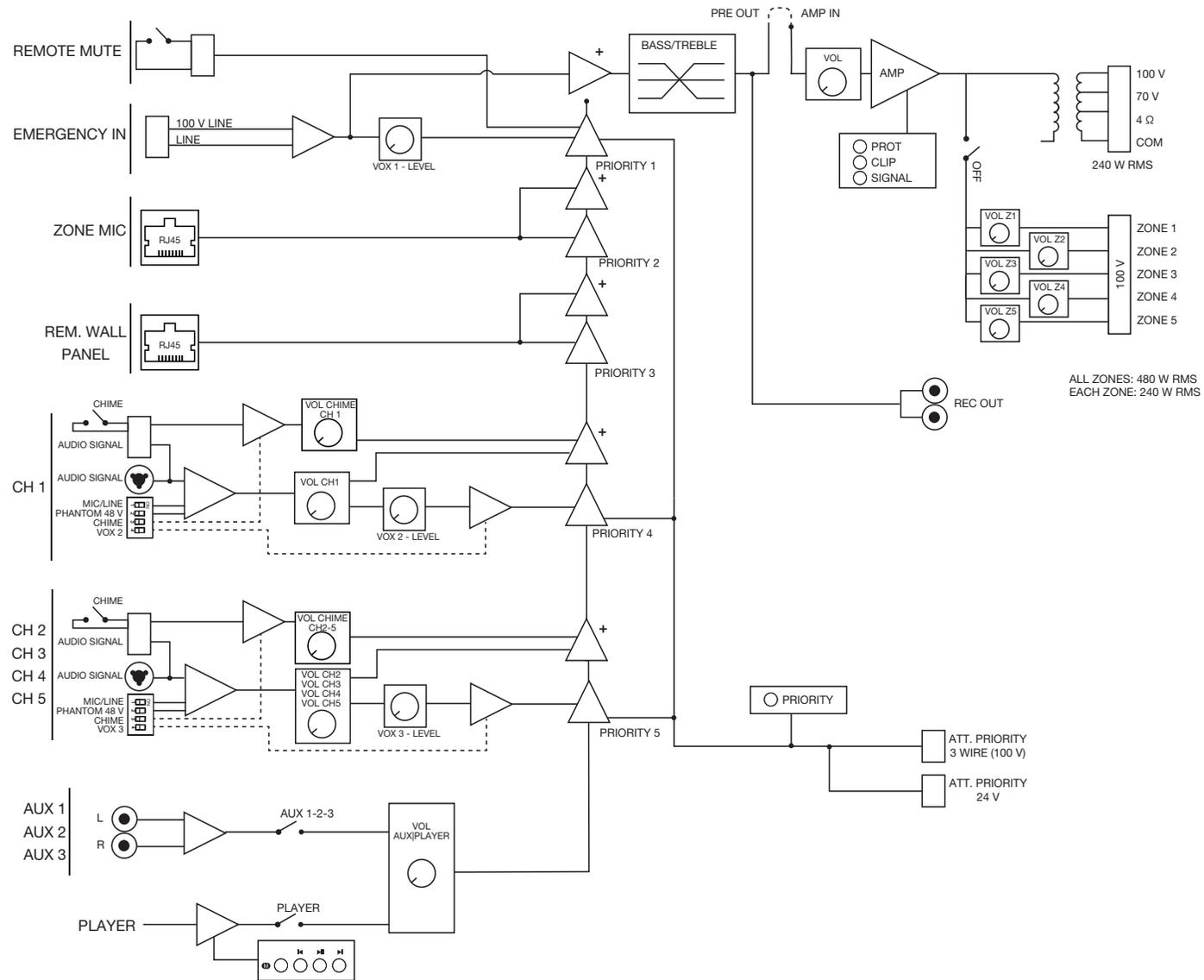|	
FUNCTIONS	Priority of inputs (in order of attenuation): · 100V Emergency Input with selectable signal level (VOX) · Mute by contact closure · Zone microphone, ZONEMIC-6 · Remote wall panel · Channel 1 with selectable signal level (VOX) · Channels 2 | 3 | 4 | 5 with shared selectable signal level CH 2-3-4-5 (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 ambient music playback 5.3 Bluetooth. Autoplay, starts playback automatically when switched on Memory of the last selected mode Playback mode memory (random, repeat).
CONTROLS	Microphone volume Master volume Auxiliary input selector or player 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 Ringing 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: 680 W AC fuse 230 V 6.3 A / 115 V 12 A
DIMENSIONS	430 x 89 x 320 mm depth. 2 U 19" rack
WEIGHT	11 kg
ACCESSORIES	FM antenna Bluetooth antenna. Power cable Rack mounts
OPTIONAL	ZONEMIC-6: Paging microphone

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PRE OUT — AMP IN

REMOTE MUTE

EMERGENCY IN

100 V LINE
LINE

VOX 1 - LEVEL

PRIORITY 1

ZONE MIC

RJ45

PRIORITY 2

REM. WALL PANEL

RJ45

PRIORITY 3

CHIME

AUDIO SIGNAL

AUDIO SIGNAL

CH 1

MIC/LINE
PHANTOM 48 V
CHIME
VOX 2

VOL CHIME CH 1

VOL CH1

VOX 2 - LEVEL

PRIORITY 4

CHIME

AUDIO SIGNAL

CH 2
CH 3
CH 4
CH 5

AUDIO SIGNAL

MIC/LINE
PHANTOM 48 V
CHIME
VOX 3

VOL CHIME CH2-5

VOL CH2
VOL CH3
VOL CH4
VOL CH5

VOX 3 - LEVEL

PRIORITY 5

AUX 1
AUX 2
AUX 3

L
R

AUX 1-2-3

VOL AUX|PLAYER

PLAYER

PLAYER

BASS/TREBLE

VOL

AMP

PROT
CLIP
SIGNAL

OFF

100 V
70 V
4 Ω
COM

240 W RMS

VOL Z1
VOL Z2
VOL Z3
VOL Z4
VOL Z5

ZONE 1
ZONE 2
ZONE 3
ZONE 4
ZONE 5

100 V

ALL ZONES: 480 W RMS
EACH ZONE: 240 W RMS

REC OUT

PRIORITY

ATT. PRIORITY
3 WIRE (100 V)

ATT. PRIORITY
24 V

Product:
MAX-480Z Block Diagram

Date: 2025-01-09

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