

# MA250

## Mixer Amplifier

VAL audio

Die Liebe zur Musik



The MA250 is a feature packed Mixer amplifier with 250W RMS output power. It features both 4-16 ohm operation and 70V/100V LMT output. The output can be divided over 6 zones - Zone 1, 2 & 3 controlled via on/off switch and zones 4, 5 & 6 via volume control. The MA250 has multiple inputs for attaching multiple sources. It features 3 microphone, 2 aux and a Bluetooth / USB input all controllable via individual volume control. It also has a FM receiver inbuilt. This enables flexibility of attaching any kind of input to the MA250 including a phone or tablet. There is an Alarm signal and evacuation signal for emergency announcements as well as a chime for public address. There is a 12V/24V output for broadcast emergency announcement and priority control as well. The MA250 is an installer delight versatile and feature packed Mixer amplifier ideal for schools / classrooms, meeting rooms, courtrooms, houses of worship, multi zone paging applications, museums, offices etc.

### KEY FEATURES

- USB / FM / Bluetooth Media player
- 6 zones available
- 3 zones with on/off & 3 zones with volume knobs
- 2 Aux and 3 microphone inputs
- Alarm signal & evacuation signal for emergency
- Chime for public address
- 4-16 ohm, 70V/100V outputs
- 12/24V output for broadcast emergency announcement
- Priority control

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## SPECIFICATION

Number of output channels	1
Total output all channels driven	250W
70V Output Impedance	20 ohms
100V Output Impedance	40 ohms
Aux Input	300mV
Mic Input	4mV
PEC Out	650mV - 750mV
Front Panel Control	3 Mic, 2 Aux, 1 Media Player, Alarm, 6 Zone, Bass, Treble, Master, Power on/off
Frequency Response	±0.1 dB from 20 Hz to 20 kHz at 1 watt
Phase Response	±10 degrees from 10 Hz to 20 kHz at 1 watt
Total Harmonic Distortion	0.05%
Intermodulation Distortion	<0.35% (60Hz and 7kHz at 4:1, from full rated output to -30dB)
Signal-to-Noise Ratio	>80dB
CMRR (20 Hz to 1 kHz)	> 55 dB, typically > 70 dB
Crosstalk	> 80 dB (below rated power, 20 Hz to 1 kHz)
Slew Rate	80V/usec
Damping Factor	>800 from 10 Hz to 400 Hz
Output Circuitry	Class H
Output Connector	Barrier strip
Input Connectors	3-pin Combo XLR, RCA
LED Indicator	Power, Signal, Protect, Clip
Protection	Protected against shorted, open or mismatched loads, overloaded power supplies, excessive temperature, chain destruction phenomena, input overload damage and high-frequency blow ups. loudspeakers from input/output DC and turn-on/turn-off transients
Cooling System	Internal heat sinks fitted with fan
Construction	Steel chassis with durable black powder coat finish
Power Supply	Toroidal Transformer
Power Range	200 - 240V AC @ 50Hz
Mains	Power cord
Input Power (Watts)	550W
Dimension (W x D x H)	483 × 320 × 88 mm
Size	2U
Weight	12kg