

User Manual

MA 30X Mixer Amplifier



Safety instructions

When using this electronic device, basic precautions should always be taken, including the following:

- 1 Read all instructions before using the product.
- 2 Do not use this product near water (e.g., near a bathtub, washbowl, kitchen sink, in a wet basement or near a swimming pool etc).
- 3 Use this device when you are sure that it has a stable base and it is fixed securely.
- 4 This product, in combination with loudspeakers may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult with otorhinolaryngologist.
- 5 The product should be located away from heat sources such as radiators, heat vents, or other devices that produce heat.
- 6 The product should be connected to a power supply that is described in the operating instructions or are marked on the product.
- 7 The power supply should be undamaged and never share an outlet or extension cord with other devices. Never leave device plugged into the outlet when it is not being used for a long period of time.
- 8 Care should be taken that objects do not fall into liquids and liquids would not be spilled on the device.
- 9 The product should be serviced by qualified service personnel if:
 - The power supply or the plug has been damaged.
 - Objects have fallen into or liquid has been spilled on the product.
 - The product has been exposed to rain.
 - The product has been dropped or the enclosure damaged.
- 10 There are some areas with high voltage inside, to reduce the risk of electric shock do not remove cover of the microphone receiver or power supply. The cover should be removed by the qualified personnel only.


 CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	To reduce the risk of electric shock, do not remove screws. No user-serviceable parts inside. Refer servicing to qualified service personnel. To reduce the risk of fire, electric shock or product damage, do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
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Before you start

MA 30X is a compact 30 W mixing amplifier for small size installations. It features 3 channel mixer, output level meter, bass and treble tone controls, paging microphone input with phantom power and adjustable priority setting, 2 inputs for line or microphone level signals. Equipped with low and high impedance outputs for all speaker line types.

FEATURES

- 30 W power amplifier
- 3 channel mixer
- LED output level meter
- Bass and treble tone controls
- Low and high impedance outputs
- Two inputs for microphones or line level signal
- One microphone input with phantom power and priority
- Phoenix connector for outputs

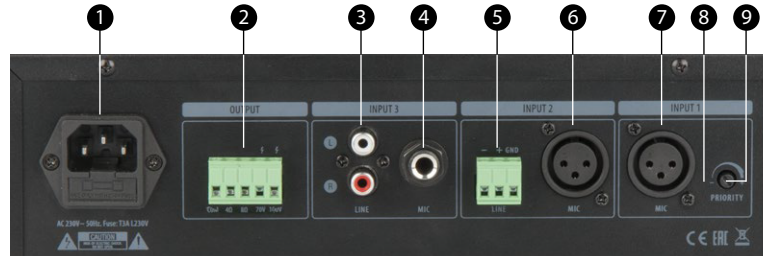
Operation

Front Panel



1. Channel 1-3 volume controls | 2. Tone bass and treble controls | 3. Master volume control | 4. Output level meter | 5. Power switch

Rear Panel



1. Power connector and fuse box | 2. Amplifier outputs | 3. Input 3 stereo line input | 4. Input 3 microphone input | 5. Input 2 line input
6. Input 2 XLR microphone input | 7. Input 1 XLR microphone input | 8. Phantom power switch (inside) | 9. Setting for input 1 microphone priority

Operation

Front Panel Functions

CHANNEL 1-3 VOLUME CONTROL

Control volume of inputs 1-3
Inputs 2 & 3 will be muted when input 1 is set to have a priority.

BASS & TREBLE TONE CONTROLS

Bass control ± 12 dB, center frequency 80 Hz
Treble control ± 12 dB, center frequency 12 kHz

MASTER VOLUME

Control device master volume.

Output level meter

Provides visual indication of device output level.

POWER

Switch MA 30X ON or OFF.

Back Panel Functions

MAINS POWER INPUT AND FUSE BOX

If fuse replacement is needed use only the same type of fuse that is written on the back of the device.

AMPLIFIER OUTPUTS

Connect audio line to amplifier. There are 4 types of outputs: low impedance 4 Ω & 8 Ω outputs, high impedance 70 V & 100 V outputs.

INPUT 1

Balanced XLR connector for paging microphone. When active, input 1 will silence inputs 2 & 3 (use priority rotary dial to set level of attenuation).

+48 V phantom power can be supplied to this input in order to use MA 30X input 1 with condenser microphone. Phantom power enable/disable jumper is installed inside amplifier near microphone 1 XLR connector.

INPUT 2

Balanced XLR connector for microphone and balanced Phoenix connector for mono line level signal. Connect only one source at the time.

INPUT 3

Unbalanced TS connector for microphone and unbalanced RCA connectors for stereo line level signal. Connect only one source at the time.

General Specifications

MA 30X

Power supply	230 V AC 50 Hz
Output power	30 W
Idle power consumption:	7.3 W
Max power consumption:	90 W
Input 1-3 MIC input sensitivity	-51 dBu
Input 2 line input sensitivity	-14 dBu
Input 3 line input sensitivity	-20 dBu
Total harmonic distortions	1%
S/N ratio	55 dB
Frequency response	55 Hz - 20 kHz (± 3 dB)
Output	4 Ω , 8 Ω , 70 V, 100 V
Bass control	± 12 dB, center frequency 80 Hz
Treble control	± 12 dB, center frequency 12 kHz
Dimensions	280 mm (W) x 233 mm (D) x 75 mm (H)
Weight	3.5 kg