



MA 30



Mixer Amplifier



User Manual

WARNING:

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.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE SCREWS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		

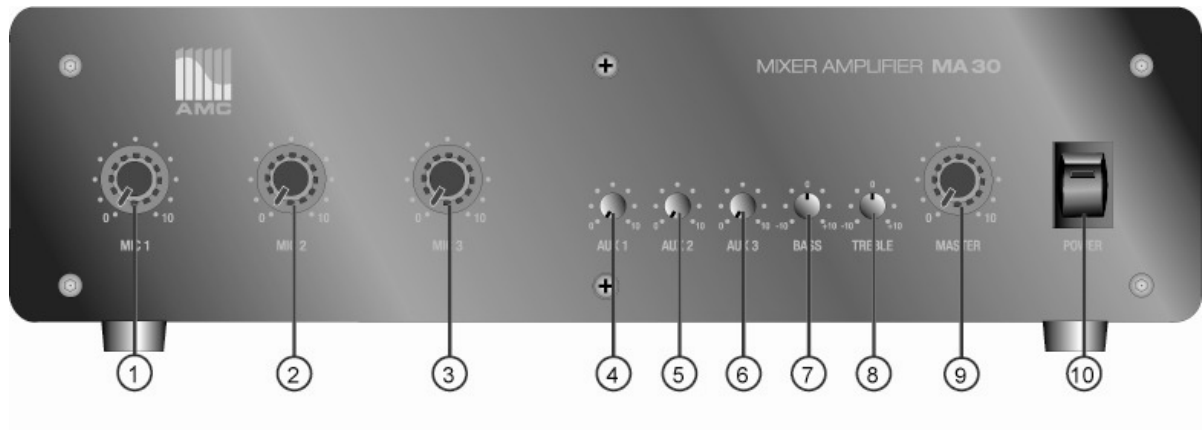
Important

Do not install this equipment in a confined space such as a book case or similar unit.

The apparatus should not be dripped or splashed and no objects filled with liquids, such as vases, should not be placed on the apparatus.

This unit should not be used near water (e.g. near bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.) Care should be taken so that objects do fall and liquids are not spilled into enclosure through openings.

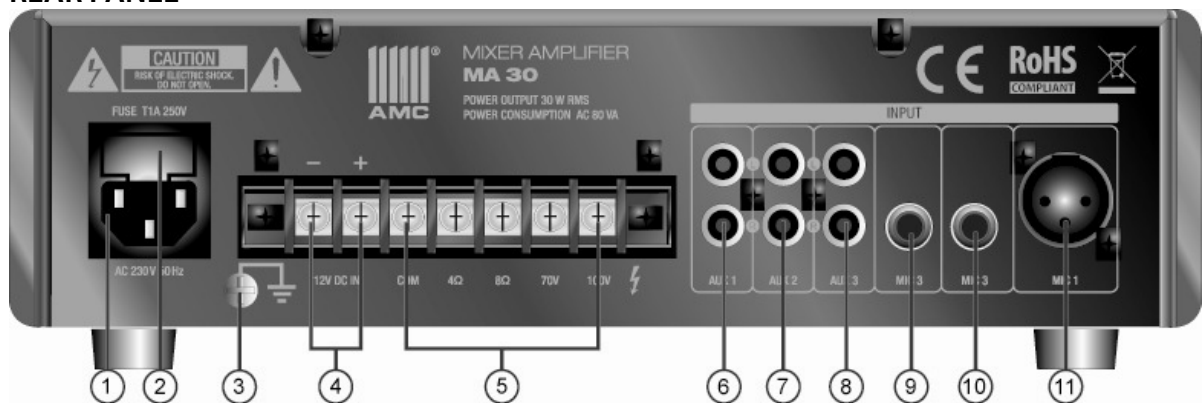
FRONT PANEL



1. Mic. 1 Level Control
2. Mic. 2 Level Control
3. Mic. 3 Level Control
4. AUX 1 Level Control
5. AUX 2 Level Control

6. AUX 3 Level Control
7. Master Tone Control (Bass)
8. Master Tone Control (Treble)
9. Master Volume Control
10. Power On / Off Switch

REAR PANEL



1. Mains Power Input Socket
2. Power Fuse
3. Earth Connection Screw
4. DC 12V Power Supply Terminals
5. Speaker Output Screw Terminals

6. Aux 3 Input (RCA Jack)
7. Aux 2 Input (RCA Jack)
8. Aux 1 Input (RCA Jack)
9. Mic 3 input Jack
10. Mic 2 input Jack
11. Mic 1 input Jack(XLR)

4 Connections

Power Source

The amplifier is fixed at 115V AC or 230V AC. It depends on the territory main voltage.

Battery Connection (12Vdc)

When using external batteries, earth the amplifier via the screw terminal because of present high voltage. Electrical stability of the system will be improved by providing a good earth ground. NOTE: the connection cable must be fitted with an in-line fuse - quick blow type 5A (60V). When connecting batteries please check for correct polarity.

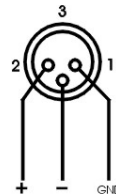
Mains Connection

Microphone Connection

Mic1 is XLR balanced Jack, while Mic2-3 inputs are unbalanced 6.3mm phono jack.

Microphone Connection

Mic1~5 inputs are balanced standard XLR Jack, rear panel. Mic1 input has VOX priority which will override Channel 3 to 6 and Line input signals, channel 2 will not be overridden.



Mute Function

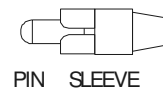
Mic1 input has VOX priority over all other inputs.

Line (Aux/CD) Connection

The equipment provides 3 auxiliary inputs, which may be used for connecting other signal sources such as a Radio Tuner, CD or Cassette player. The Aux input sockets are standard stereo RCA Jack. The line level Control on the front panel operates on each of the input sources.

RCA plug connections

Sleeve-Screen
Pin- Signal



Loudspeaker Connection

For 100V or 70V Line Loudspeaker

Please use only one 100V or 70V (Selectable) Line Loudspeakers

For Low Impedance 8Ω or (4Ω):

This output allows connection of standard low impedance loudspeakers. The minimum impedance must be 4Ω. When two or more loudspeakers are in use, ensure that they are wired in such a way that the impedance load is between 4Ω and 16Ω.

Power supply	Mains Voltage AC 115/230V, 50/60 Hz \pm 10%
Power output	30 W RMS
Battery Voltage	DC 12V (Max 10% deviation)
Total harmonic distortions	< 10% @ 1KHz, rated power
Sensitivity	Mic 1 XLR (Balanced) Mic 2 - 3 1/4" Phono Jack (Unbalance) Mic 1-3 , 1.5mV @600 ohm RCA Jack (Unbalanced) AUX 1~3 , 200mV @10K ohm
Frequency Response	50 Hz - 15K Hz +/- 3 dB
Output	100V, 70V, 8 ohm, 4 ohm
Signal to Noise Ratio	86dB
Tone	Bass 100 Hz +/-10 dB Treble 10KHz +/-10 dB
AC Power Consumption	80 W @ RATED POWER
DC Power Consumption	48 W @ RATED POWER
Dimensions	68 mm (H) x 275 mm (W) x 225 mm (D)
Weight	4 kg
Mounting	Table top or Hang-bracket