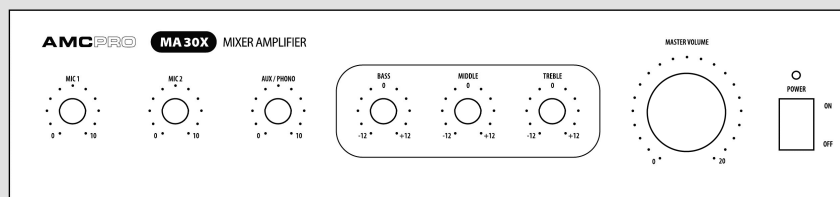




MA 30X

Mixer amplifier



User Manual

## IMPORTANT SAFETY INSTRUCTIONS

### CAUTION!

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

### 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.



**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 player has a stable base and it is fixed securely.
4. This product, in combination with music player and 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 otorhinolaryngologists. The product should be positioned so that proper ventilation is maintained.
5. The product should be located away from heat sources such as radiators, heat vents, or other devices (including amplifiers) 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. Replace the fuse only with one of the specified type, size and correct rating.
7. The power supply cord should be undamaged and never share an outlet or extension cord with other devices so that the outlet or extension cord's power rating is exceeded. Never leave device plugged in to the outlet when it is not being used for a long period of time.
8. Care should be taken so that objects do not fall into, and liquids would not be spilled through, the enclosure's openings.
9. The product should be serviced by qualified service personnel if:
  - The power supply cord 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 player. The cover should be removed by the qualified personnel only.

**No user serviceable parts inside.**

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## Introductions

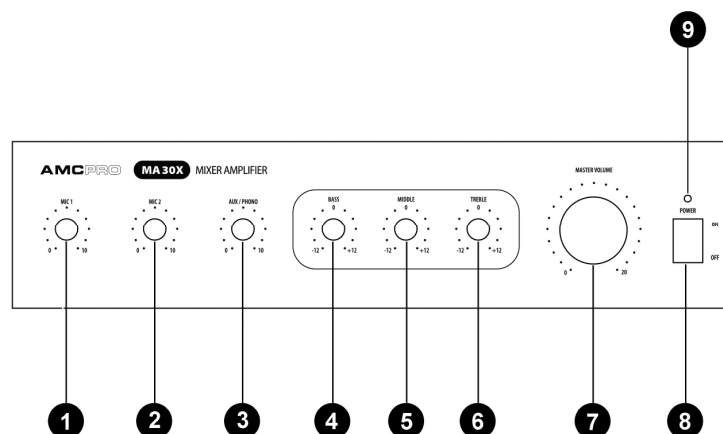
**MA 30X** is small and compact mixing amplifier. Rated power 30 W. Low and high impedance outputs, AUX/Phono and microphone inputs, tone control. The priority is activating by connecting priority contacts to each other in the rear amplifier's panel. Excellent device for small size applications. No need of professional installation assistance. Shop's, bar's or restaurant's personnel can manage the installation of these mixing amplifiers by itself.

## Features

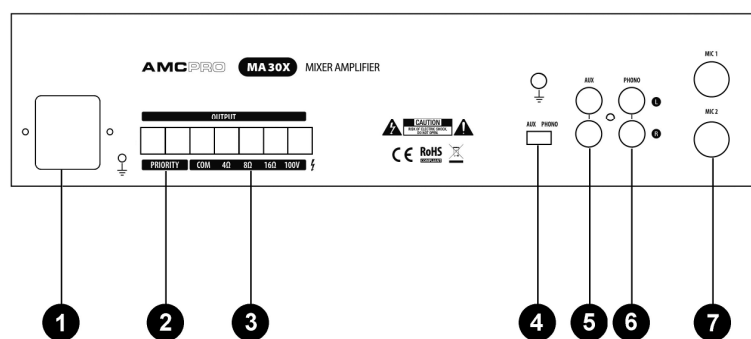
- 6.3mm TS jack unbalanced microphone input.
- AUX/PHONO input.
- Bass, middle and treble tone control.
- Screw terminal to activate priority.
- 4  $\Omega$ , 8  $\Omega$ , 16  $\Omega$  and 100V screw terminal outputs.

## 5 Operation

### Front Panel



- |                               |                          |
|-------------------------------|--------------------------|
| 1. Microphone 1 level control | 6. Tone control TREBLE   |
| 2. Microphone 2 level control | 7. Master volume control |
| 3. AUX/PHONO level control    | 8. Power switch          |
| 4. Tone control BASS          | 9. Power indicator       |
| 5. Tone control MIDDLE        |                          |



### Rear Panel

- |  |   |
|--|---|
| 1. Power connector and AC fuse (T1AL 250V)             | 5. AUX input                            |
| 2. Screw terminal for microphone 1 priority activation | 6. PHONO input                          |
| 3. Screw terminal output                               | 7. Microphone 1 and Microphone 2 inputs |
| 4. AUX/PHONO selector                                  |   |

### Function description

#### Amplifier

##### **MICROPHONE 1 INPUT**

This is unbalanced microphone input which has a priority over the microphone and AUX/PHONO input. The priority is activating by connecting priority contacts to each other in the rear amplifier's panel.

##### **MICROPHONE 2 INPUT**

This is unbalanced microphone input.

##### **AUX/PHONO LEVEL CONTROL**

This knob is designed for the AUX/PHONO input volume level controlling.

##### **tone CONTROL**

3 band: low, mid and high tone control for sound adjusting.

##### **MASTER VOLUME CONTROL**

This knob is designed to adjust main volume of the amplifier.

##### **POWER SWITCH**

By using this switch amplifier can be turning on/off.

##### **POWER INDICATOR**

This LED lights up after amplifier's turning on.

##### **FUSE**

Replace the fuse only with one of the specified type, size and correct rating. Before replacing fuse make sure that the amplifier power plug is disconnected from main power.

##### **MAIN POWER CABLE**

Before connecting the amplifier to main power make sure that the power cable and power plug is not damaged. Never leave device plugged in to the outlet when it's not being used for a long period of time.

##### **PRIORITY TERMINAL**

The priority is activating by connecting priority contacts to each other in the rear amplifier's panel.

##### **OUTPUT TERMINAL**

This terminal is designed to connect audio line into amplifier. There are available 4Ω, 8Ω, 16Ω and 100V outputs. Please find same connection examples in page 7.

##### **AUX/PHONO SELECTOR**

This selector is designed to select the AUX or PHONO inputs.

##### **AUX INPUT**

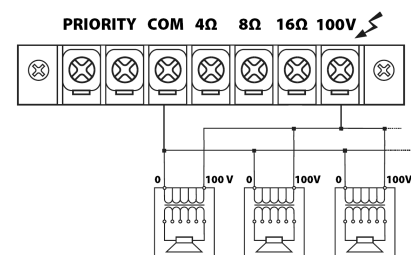
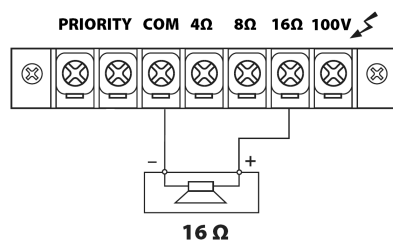
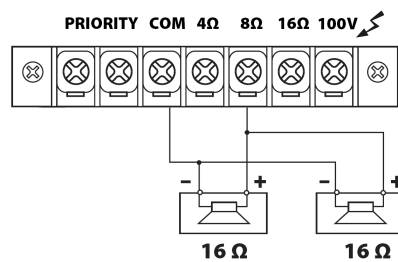
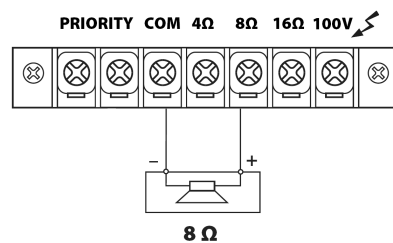
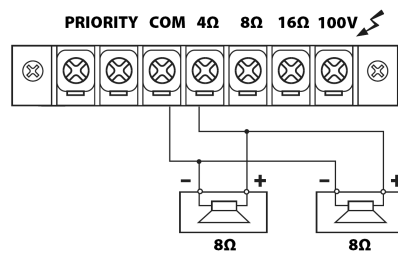
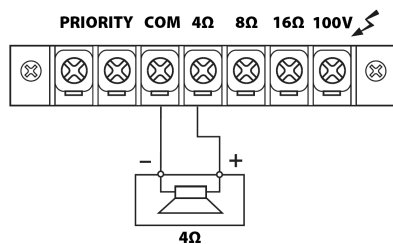
This is line level input. Connector - stereo RCA.

##### **PHONO INPUT**

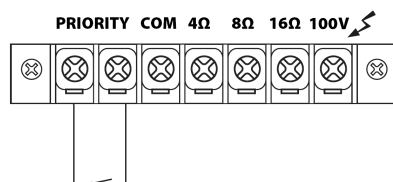
This is high sensitivity input for phonograph. Connector – stereo RCA.

## Controls and connectors

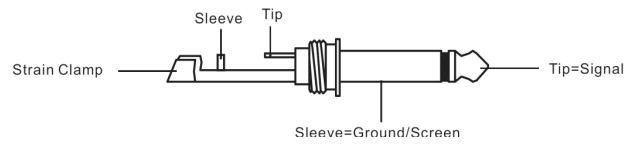
### Output terminal



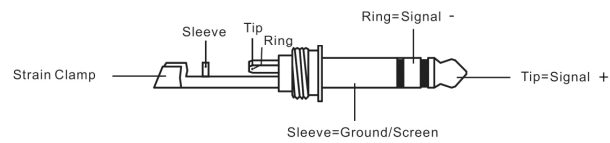
Connect priority contacts to each other to activate microphone 1 priority.



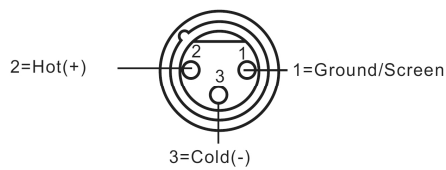
## Connectors



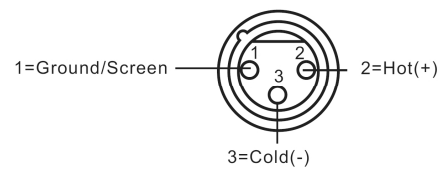
TS connector



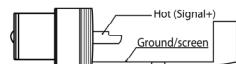
TRS connector



XLR male connector



XLR female connector



RCA connector



## Cable wiring examples



Cable to balanced input from balanced output. TRS connectors.



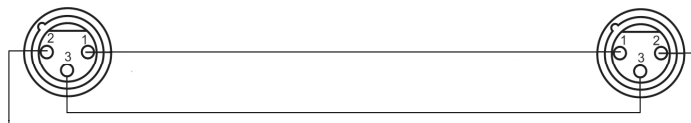
Cable to unbalanced input from balanced output. TRS and TS connectors.



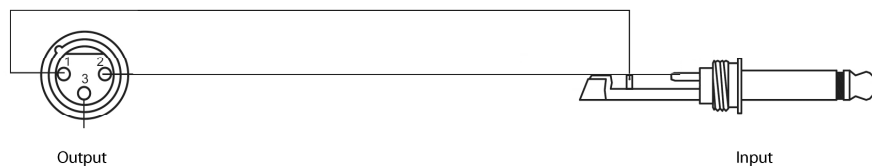
Cable to balanced input from unbalanced output. TS and TRS connectors.



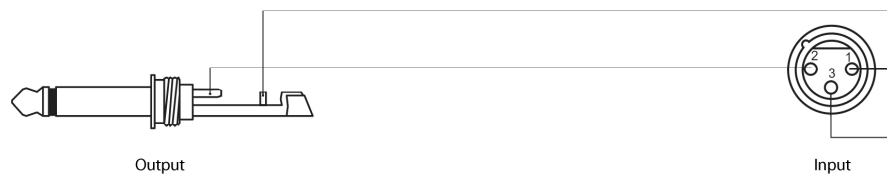
Cable to unbalanced input from unbalanced output. TS connectors.



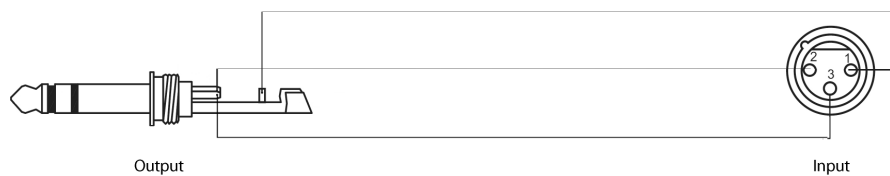
Cable to balanced input from balanced output. XLR connectors.



Cable to unbalanced input from balanced output. XLR and TS connectors.



Cable to balanced input from unbalanced output. TS and XLR connectors.



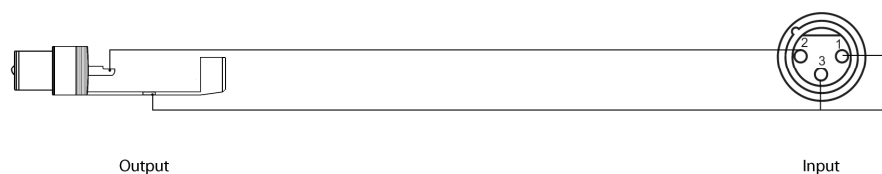
Cable to balanced input from balanced output. TRS and XLR connectors.



RCA cable.

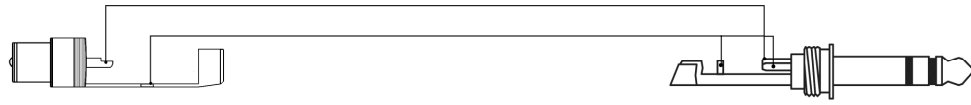


Cable to unbalanced input from RCA output. RCA and TS connectors.



Cable to balanced input from RCA output. RCA and XLR connectors.

## 11 Controls and connections



Output

Input

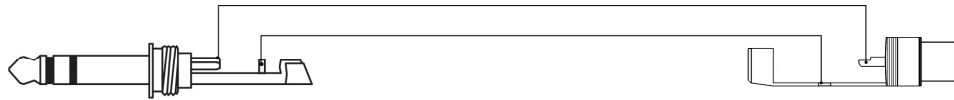
Cable to balanced input from RCA output. RCA and TRS connectors.



Output

Input

Cable to RCA input from balanced output. RCA and XLR connectors.



Output

Input

Cable to RCA input from balanced output. RCA and TRS connectors.

## GENERAL SPECIFICATIONS

<b>Power supply</b>	AC 230 V, 50 Hz
<b>Power output</b>	30 W RMS
<b>AC power consumption (Standby)</b>	17 VA
<b>AC power consumption</b>	57 VA @ RATED POWER
<b>Total harmonic distortions</b>	1 %
<b>MIC level sensitivity</b>	-55 dBu
<b>PHONO level sensitivity</b>	-55 dBu
<b>AUX sensitivity</b>	-20 dBu
<b>Frequency response</b>	50 Hz – 20 kHz +/- 3 dB
<b>Output</b>	100 V, 16 $\Omega$ , 8 $\Omega$ , 4 $\Omega$
<b>Signal to noise ratio</b>	55 dB
<b>Dimensions</b>	75 mm (H) x 190 mm (W) x 320 mm (D)
<b>Weight</b>	5 kg