

# artsound

## OPERATING MANUAL MX-60(M) MIXER ZONE AMPLIFIER



### Table of contents

<b>1. Safety precautions</b>	<b>2</b>
<b>2. General description</b>	<b>2</b>
<b>3. Features</b>	<b>2</b>
<b>4. Nomenclature and functions</b>	<b>2</b>
<b>4.1 Front panel</b>	<b>2</b>
<b>4.2 Rear panel</b>	<b>3</b>
<b>5. Specifications</b>	<b>6</b>
<b>6. Dimensional diagram</b>	<b>6</b>

Please follow the instructions in this manual to obtain the optimum results from this unit.  
We also recommend that you keep this manual handy for future reference

Check our website for any updates of this manual: [www.artsound.be](http://www.artsound.be)

## 1 Safety precautions.

- Be sure to read the instructions in this section carefully before use.
- Make sure to observe the instructions in this manual as the conventions of safety symbols and messages regarded as very important precautions are included.
- We also recommend you keep this instruction manual handy for future reference.

## Warnings and safety.

- To prevent fire or electric shock, do not expose this device to rain or moisture.
- Do not repair any parts inside the unit, but leave all repairs to qualified service personnel.
- As long as the mains cable of the machine is connected to a wall socket, the machine is live, even if the machine is switched off.
- Do not operate the device for a long time if the sound is distorted.
- Do not block the ventilation openings of the device.

## 2. General description.

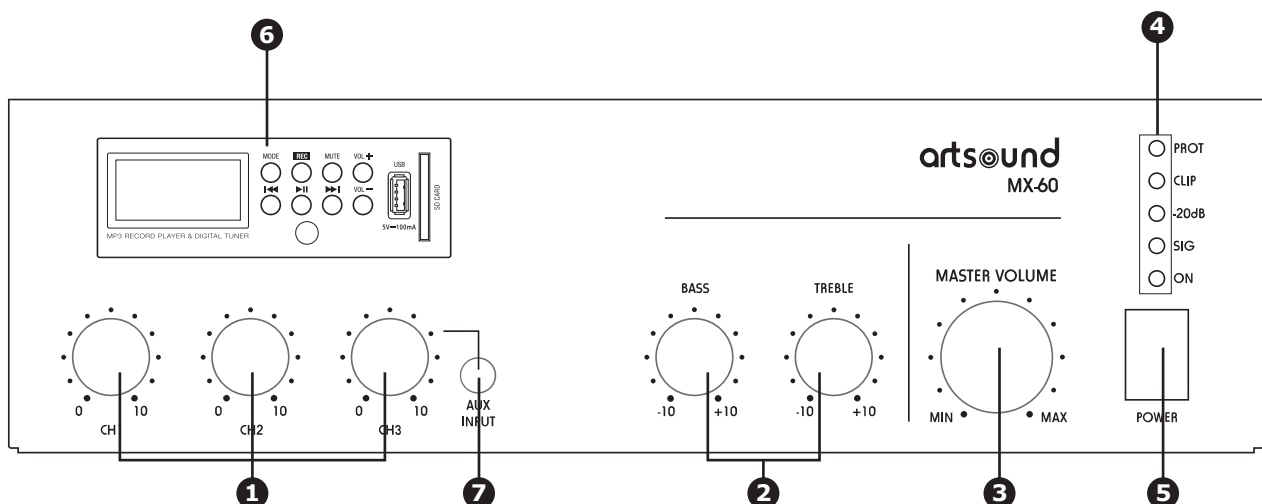
The MX-60 (M) mixer-amplifier is an all-in-one solution for commercial and industrial applications in a compact size.

## 3. Features

- 3 mic inputs en 2 line-in with XLR, 6,3mm jack or RCA
- priority input + trigger contact (euroblock) with level and talkover control
- 3 levels of priority
- media source USB/SD, FM tuner, BT (ref. MX-60M)
- 60W power output @ 70V / 100V / 4 Ohm / 8 Ohm
- advanced protection system includes current limiting, over current and thermal protection
- two bands tone control (bass & treble)
- convection cooling – maintenance free
- compact size and lightweight

## 4. Nomenclature and functions.

### 4.1 FRONT PANEL



#### 1. CHANNEL VOLUME

Turn the buttons clockwise to increase volume, counter clockwise to decrease volume.

#### 2. BASS & TREBLE CONTROL

#### 3. MASTER VOLUME

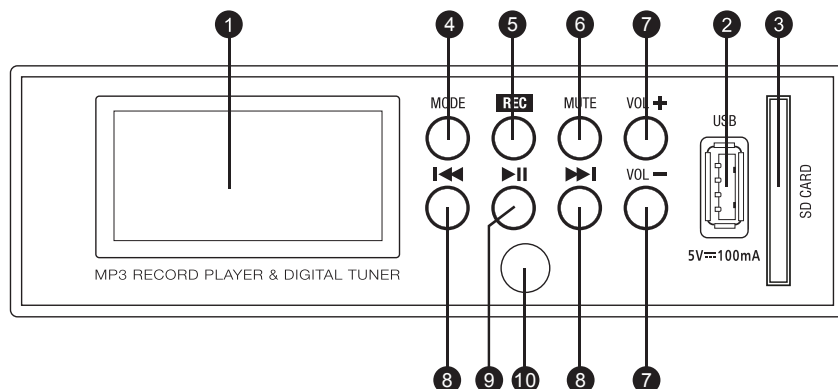
#### 4. INDICATOR LEDS

Protection, output level, power.

#### 5. ON/OFF SWITCH

#### 6. BUILT IN SOURCE SD/USB, FM TUNER, BT (REF. MX-60M)

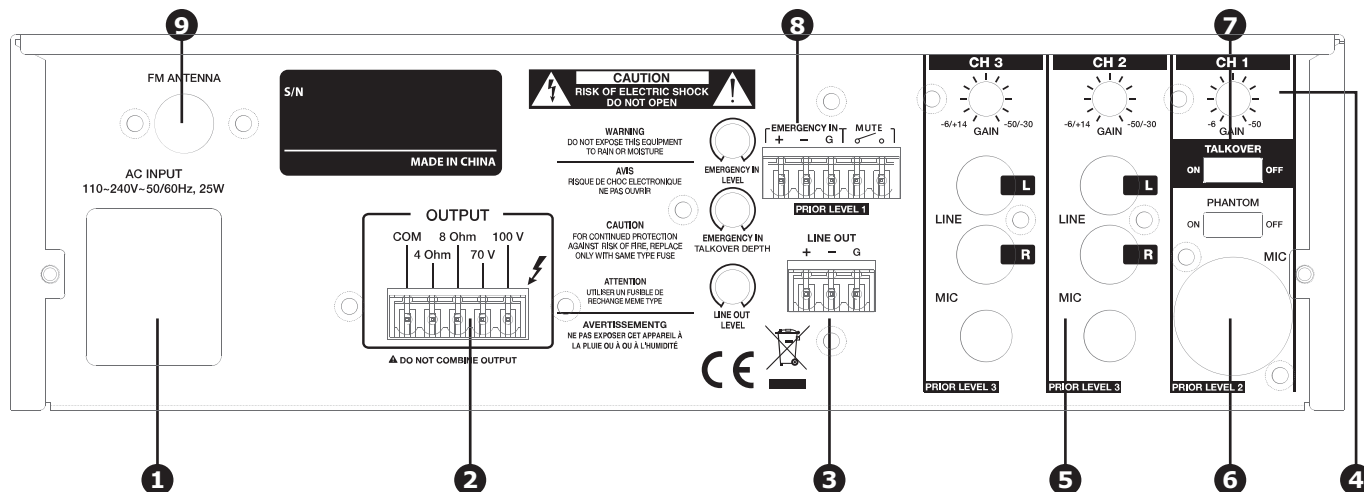
#### 7. AUX INPUT – 3,5MM



- 1 Display**
- 2 USB input** For music playback only
- 3 SD input**
- 4 MODE** Short press to select USB/SD/FM or Bluetooth. Press and hold to turn on and off of device power.
- 5 REC** Short press to record current output audio to USB or SD card.
- 6 MUTE** Short press to muting and releasing output audio.
- 7 VOL+/VOL-** Short press to step up or down output volume. Press and hold to fast up or down output volume.
- 8 PREVIOUS/NEXT** Short press to select previous or next FM frequency for tuner, to select previous or next track for USB,SD card. Press and hold to search previous or next FM frequency automatically for tuner, fast forward or rewind in current track for USB,SD card.
- 9 PLAY/PAUSE** Short press to move stored FM frequency for tuner, to toggle play and pause current track for USB,SD card. Press and hold to search and store audible FM frequency automatically for tuner, stop to play the current track for USB,SD card.
- 10 IR COMMUNICATION**

Press the play button when Bluetooth as the source is selected to pair with the external device.

## 4.2 REAR PANEL

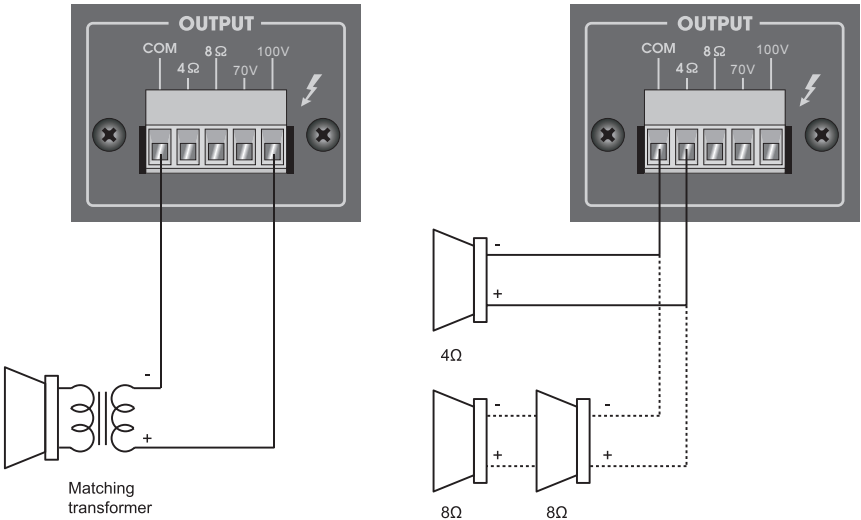


## 1. POWER CABLE INLET

## 2. SPEAKER CONNECTOR TERMINALS (COM, 4 Ohm, 8 Ohm, 70V, 100V)

### ⚠ CAUTION

- Never use both the low impedant output (4Ω / 8Ω) and high impedant output (70V, 100V) terminals at the same time.
- Do not overload the speaker outputs. The total switched power of the speakers should be lower or equal to the output power of the amplifier.



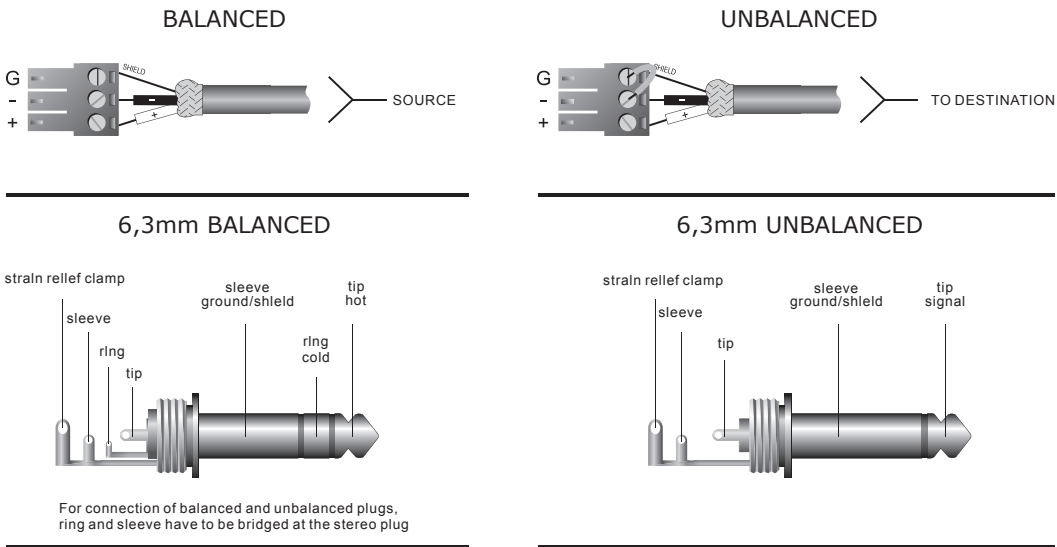
MX-60(M)	4Ω / 16V	8Ω / 22.8V	75Ω / 70V	154Ω / 100V
----------	----------	------------	-----------	-------------

## 3. LINE-OUT WITH LEVEL CONTROL (BUILT-IN SOURCE + LINE INPUT CH2/3)

## 4. GAIN CONTROLS FOR VARIABLE INPUT LEVEL

## 5. LINE-IN (RCA) OR MIC INPUT (6,3MM)

Below an illustration of the different connection possibilities



## XLR BALANCED

input

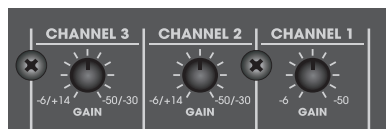


1 = ground/shield  
2 = hot (+ve)  
3 = cold (-ve)

output



For unbalanced use pin  
1 and 3 should be bridged.



## GAIN CONTROL

Each input can have its separate gain level.

## PRIORITY LEVELS

This amplifier has 3 levels of priority. Whenever a source with a higher priority is active all other sources will be muted.

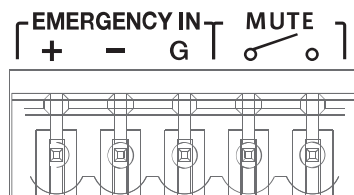
**Priority input > Channel 1 > Channel 2/3/AUX**

## 6. MIC (XLR) WITH PHANTOM SWITCH (ON/OFF)

## 7. TALKOVER SWITCH

## 8. PRIORITY INPUT WITH "MUTE ALL" CONTACT, LEVEL AND TALKOVER CONTROL

This input has absolute priority over all other sources either triggered by VOX or extra contact. The +-GND indication is used for the balanced line input. The extra contact next to it is optional.



**PRIOR LEVEL 1**

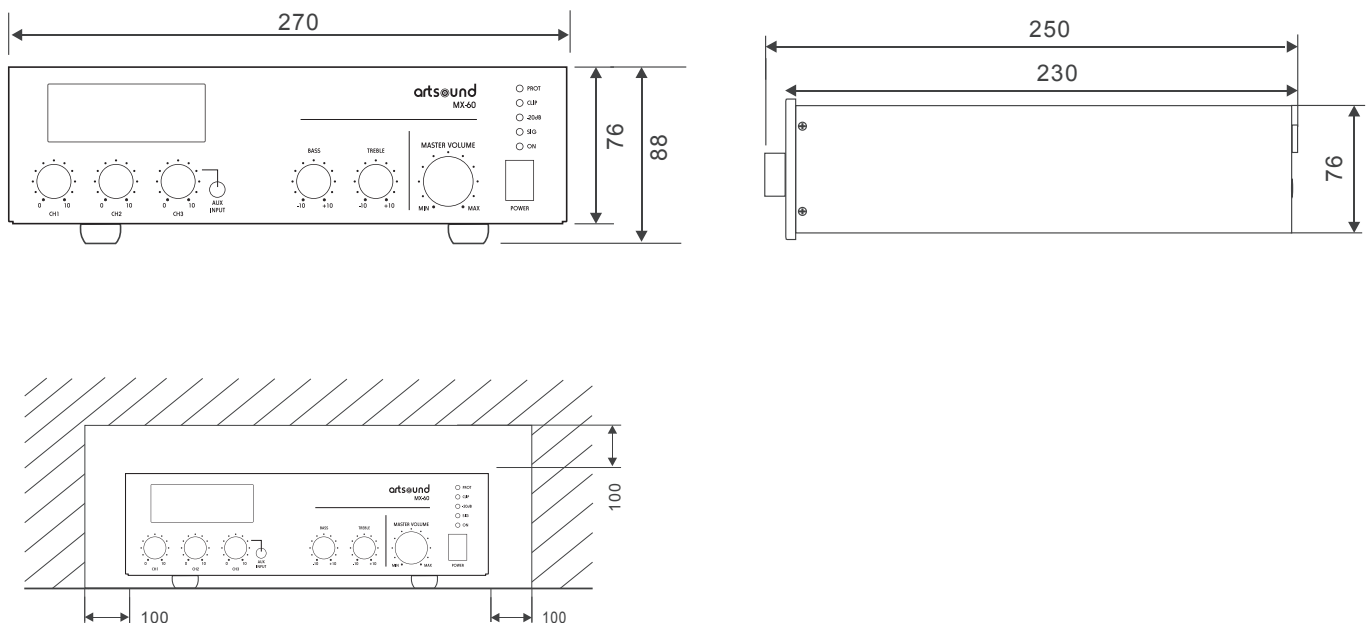
## 9. FM ANTENNA

## 5. Technical specifications

100V MIXER-AMPLIFIER		
model	MX-60M	MX-60
output capacity 100V	60W	60W
output capacity RMS 8Ω	60W	60W
frequency range	80Hz - 18kHz < 0,5%THD	80Hz - 18kHz < 0,5%THD
zones	1	1
direct output	4-8Ω / 70V / 100V	4-8Ω / 70V / 100V
tone control	yes	yes
built-in source	USB / SD	no
	FM tuner	no
	Bluetooth	no
line-out	3 Pin Phoenix	3 Pin Phoenix
MIC input	3 (1 XLR/ 2 jack 6,3mm)	3 (1 XLR/ 2 jack 6,3 mm)
AUX input	2 RCA	2 RCA
priority input	1 (Phoenix + contact)	1 (Phoenix + contact)
priority levels	3	3
power supply	240V AC	240V AC
dimentions (h x w x d)	76 x 270 x 230mm	76 x 270 x 230mm
weight	3,59kg	3,59kg

## 6. Dimensional diagram.

UNIT : MM



Keep the unit's all sides over 10 cm away from objects that may obstruct air flow to prevent the unit's internal temperature rise.

## Warranty conditions

2 year warranty from date of purchase. The warranty is limited to the repair or replacement of the defective material insofar as this defect is a result of normal use and the device has not been damaged. Artsound is not responsible for any other costs that ensue as a result of the defect (e.g. transport). For details, please consult our general terms and conditions of sale.



This product bears the selective sorting symbol for waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European Directive 2002/96/EC in order to be recycled or dismantled to minimize its impact on the environment. For further information, please contact your local or regional authorities.

**CE** I, House Of Music NV, hereby declare that the type of radio equipment ARTSOUND complies with Directive 2014/53/EU. The full text of the EU Declaration of Conformity can be found at the following internet address: <http://www.artsound.be/en/support/downloads>

Disclaimer: All trademarks are the property of their respective owners. All specifications and information are subject to change without further notice. Slight variations and differences might appear between printed photos and actual product due to product enhancement.  
House Of Music NV - Legen Heirweg 23D, B-9890 Gavere

### Warranty conditions

2 year warranty from date of purchase. The warranty is limited to the repair or replacement of the defective material insofar as this defect is a result of normal use and the device has not been damaged. Artsound is not responsible for any other costs that ensue as a result of the defect (e.g. transport). For details, please consult our general terms and conditions of sale.



This product bears the selective sorting symbol for waste electrical and electronic equipment (WEEE).

■ This means that this product must be handled pursuant to European Directive 2002/96/EC in order to be recycled or dismantled to minimize its impact on the environment. For further information, please contact your local or regional authorities.

**CE** I, House Of Music NV, hereby declare that the type of radio equipment ARTSOUND complies with Directive 2014/53/EU. The full text of the EU Declaration of Conformity can be found at the following internet address: <http://www.artsound.be/en/support/downloads>

Disclaimer: All trademarks are the property of their respective owners. All specifications and information are subject to change without further notice. Slight variations and differences might appear between printed photos and actual product due to product enhancement.  
House Of Music NV - Legen Heirweg 23D, B-9890 Gavere

House of Music nv, Legen Heirweg 23D, B-9890 Gavere

🌐 [www.artsound.be](http://www.artsound.be)    📷 [artsoundaudio](#)    📞 [artsound.audio](#)

**artsound**  
we speak sound