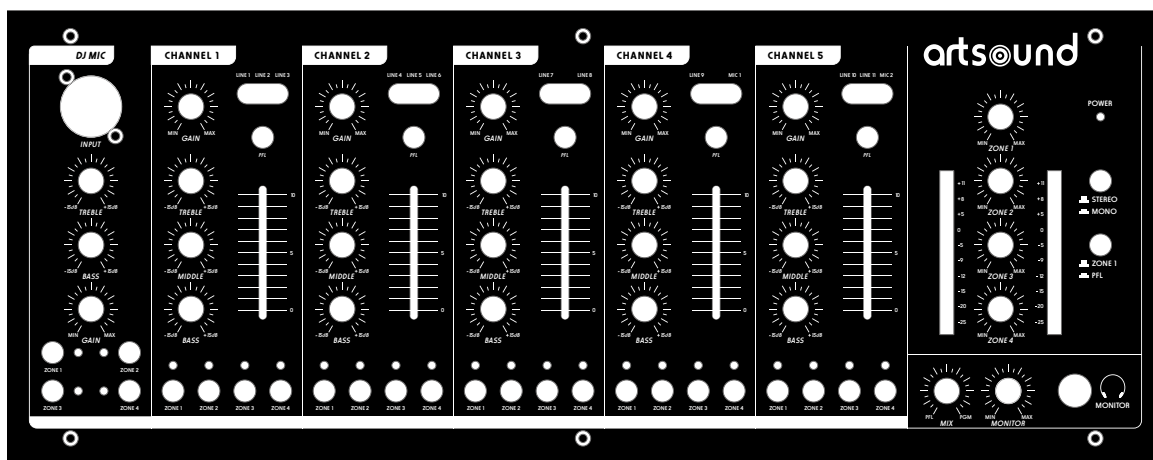


# artsound

## Operating Manual

# MIKS6.4

## STEREO MIXER



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)

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## 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.

### Safety Symbol and Message Conventions.

Safety symbols and messages described below are used in this manual to prevent bodily injury and property damage, which could result from mishandling. Before operating your product, read this manual first and understand the safety symbols and messages so you are thoroughly aware of the potential safety risk.



#### **WARNING**

**Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.**



#### **CAUTION**

**Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.**

## Warning.

### When Installing the Unit.

- Do not expose the unit to rain or an environment where it may be splashed by water or other liquids, as doing so may result in fire or electric shock.
- Use the unit only with the voltage specified on the unit. Using a voltage higher than that which is specified may result in fire or electric shock.
- Do not cut, kink, otherwise damage nor modify the power supply cord. In addition, avoid using the power cord in close proximity to heaters, and never place heavy objects -- including the unit itself -- on the power cord, as doing so may result in fire or electric shock.
- Be sure to replace the unit's terminal cover after connection completion. Because high voltage is applied to the speaker terminals, never touch these terminals to avoid electric shock.
- Be sure to ground to the safety ground (earth) terminal to avoid electric shock. Never ground to a gas pipe as a catastrophic disaster may result.
- Avoid installing or mounting the unit in unstable locations, such as on a rickety table or a slanted surface. Doing so may result in the unit falling down, causing personal injury and/or property damage.

### When the Unit is in Use.

- Should the following irregularity be found during use, immediately switch off the power, disconnect the power supply plug from the AC outlet and contact your nearest ArtSound dealer. Make no further attempt to operate the unit in this condition as this may cause fire or electric shock.
  - If you detect smoke or a strange smell coming from the unit.
  - If water or any metallic object gets into the unit
  - If the unit falls, or the unit case breaks
  - If the power supply cord is damaged (exposure of the core, disconnection, etc.)
  - If it is malfunctioning (no tone sounds.)
- To prevent a fire or electric shock, never open nor remove the unit case as there are high voltage components inside the unit. Refer all servicing to your nearest ArtSound dealer.
- Do not place cups, bowls, or other containers of liquid or metallic objects on top of the unit. If they accidentally spill into the unit, this may cause a fire or electric shock.
- Do not insert nor drop metallic objects or flammable materials in the ventilation slots of the unit's cover, as this may result in fire or electric shock.

## Caution.

### When Installing the Unit.

- Never plug in nor remove the power supply plug with wet hands, as doing so may cause electric shock.
- When unplugging the power supply cord, be sure to grasp the power supply plug; never pull on the cord itself. Operating the unit with a damaged power supply cord may cause a fire or electric shock.
- When moving the unit, be sure to remove its power supply cord from the wall outlet. Moving the unit with the power cord connected to the outlet may cause damage to the power cord, resulting in fire or electric shock. When removing the power cord, be sure to hold its plug to pull.
- Do not block the ventilation slots in the unit's cover. Doing so may cause heat to build up inside the unit and result in fire.
- Avoid installing the unit in humid or dusty locations, in locations exposed to the direct sunlight, near the heaters, or in locations generating sooty smoke or steam as doing otherwise may result in fire or electric shock.

### When the Unit is in Use.

- Do not place heavy objects on the unit as this may cause it to fall or break which may result in personal injury and/or property damage. In addition, the object itself may fall off and cause injury and/or damage.
- Make sure that the volume control is set to minimum position before power is switched on.
- Loud noise produced at high volume when power is switched on can impair hearing.
- Do not operate the unit for an extended period of time with the sound distorting. This is an indication of a malfunction, which in turn can cause heat to generate and result in a fire.
- Contact your ArtSound dealer as to the cleaning. If dust is allowed to accumulate in the unit over a long period of time, a fire or damage to the unit may result.
- If dust accumulates on the power supply plug or in the wall AC outlet, a fire may result. Clean it periodically. In addition, insert the plug in the wall outlet securely.
- Switch off the power, and unplug the power supply plug from the AC outlet for safety purposes when cleaning or leaving the unit unused for 10 days or more. Doing otherwise may cause a fire or electric shock.

**An all-pole mains switch with a contact separation of at least 3 mm in each pole shall be incorporated in the electrical installation of the building.**

### Magnetic field

CAUTION! Do not locate sensitive high gain equipment such as preamplifiers or tape decks directly above or below the unit. Because this amplifier has a high power, it has a strong magnetic field which can induce hum into unshielded devices that are located nearby. The field is strongest just above and below the unit. Locate the amplifier(s) in the bottom of the rack and the preamplifier or other sensitive equipment at the top.

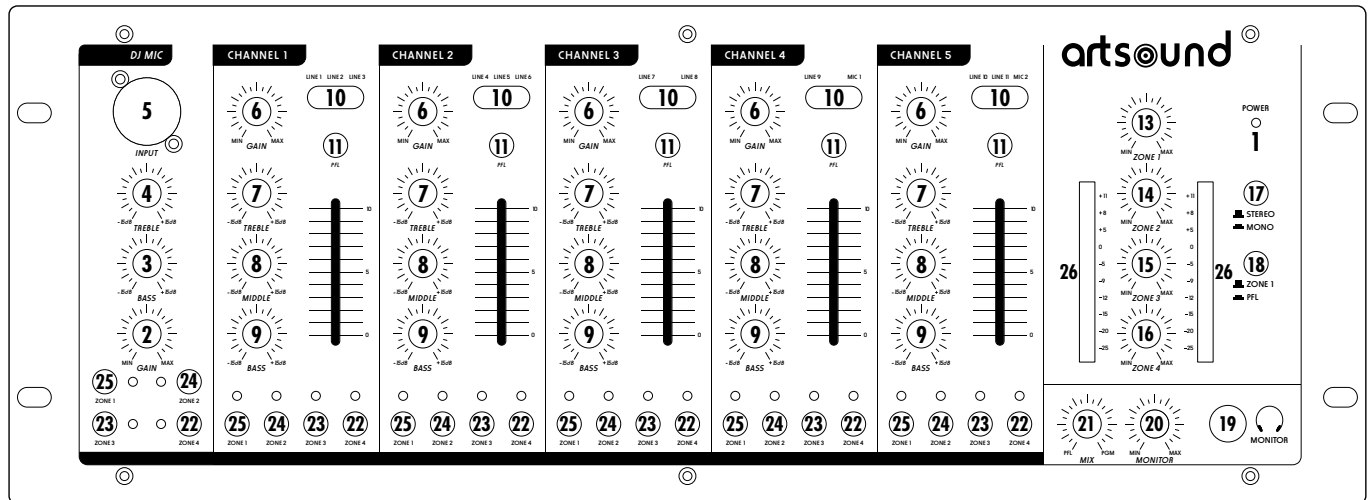
Due to product upgrades, while some of the features and specification in the user manual does not match the actual functions, sorry for any inconvenience and thanks for your kind understanding!

## 2. General description.

This device is developed to use with several sources at the one side, powered with an amplifier on the other side. The MIKS6.4 is a go between which allows you to direct one or several sources (11-line inputs, mics, ...) to different zones. (maximum 4)

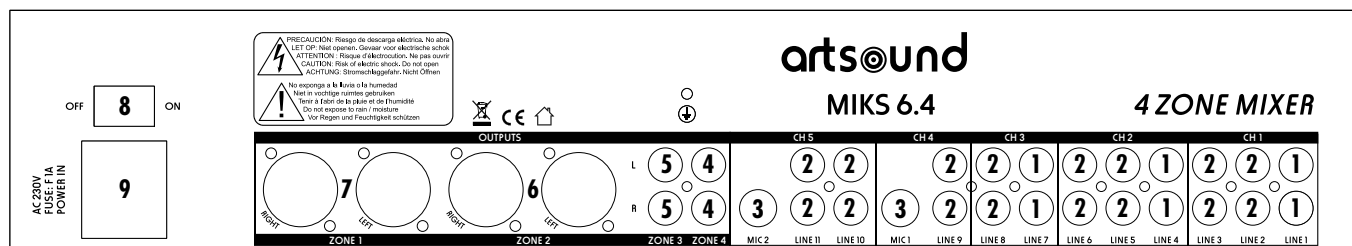
3. Nomenclature and functions.

3.1 Front panel



1. **Power LED**  
This LED lights up when the mixer is turned on.
2. **MIC Gain**  
Adjustable level of the microphone.
3. **MIC Bass**  
Adjustable low (bass) frequencies of the microphone input.
4. **MIC Treble**  
Adjustable high (treble) frequencies of the microphone input.
5. **MIC input**  
Connect a microphone to this combo connector. You can use even a XLR connector and a 6.35mm jack.
6. **Gain control**  
Adjustable preamp of the input level of the corresponding channel.
7. **Treble control**  
Adjustable high frequencies of the corresponding channel.
8. **Mid control**  
Adjustable mid frequencies of the corresponding channel.
9. **Bass control**  
Adjustable low frequencies of the corresponding channel.
10. **Input selector**  
Selects the input (1-3) source to be routed to the corresponding channel. The connections for the different sources are on the back of the mixer.
11. **PFL**  
The PFL button (Pre-Fade Listening) is designed to route the corresponding channel input to the headphone/monitor section.
12. **Channel Fader**  
Adjustable output level of the corresponding channel.
13. **Zone 1**  
Adjustable output level of the master volume.
14. **Zone 2**  
Adjustable output level of the master volume Zone 1.
15. **Zone 3**  
Adjustable output level of the master volume Zone 2.
16. **Zone 4**  
Adjustable output level of the master volume Zone 3.
17. **Stereo/Mono**  
When press this button the output signal of the master is mono (press once again output).
18. **Master/PFL**  
If this button is pressed you can read out the pre-fader signal of the channels where PFL is activated on the VU meters. If this button is not pressed you can read out the master signal on the VU-meters (by LED buttons).
19. **Monitor/Headphones**  
Connect your headphones for monitoring.
20. **Monitor control**  
21. Adjustable output level of your headphones.
21. **MIX**  
Slide this to mix the PFL channel and program mix in the headphones. When all the way to the left you hear the channel PFL input selection(s), when turned to the right you hear the master program mix output.
22. **Zone 4**  
Select, when pressed the stereo signal of the selected channel will go to stereo Zone 3 output and the red LED is on.
23. **Zone 3**  
Select, when pressed the stereo signal of the selected channel will go to stereo Zone 2 output and the red LED is on.
24. **Zone 2**  
Select, when pressed the stereo signal of the selected channel will go to stereo Zone 1 output and the red LED is on.
25. **Zone 1**  
Select, when pressed the stereo signal of the selected channel will go to stereo Master output and the red LED is on.
26. **LED VU Meters**  
Can indicate either the master output or cue channel input levels, depending on the position of the MASTER/PFL switch (18.)

## 3.2 Rear panel.



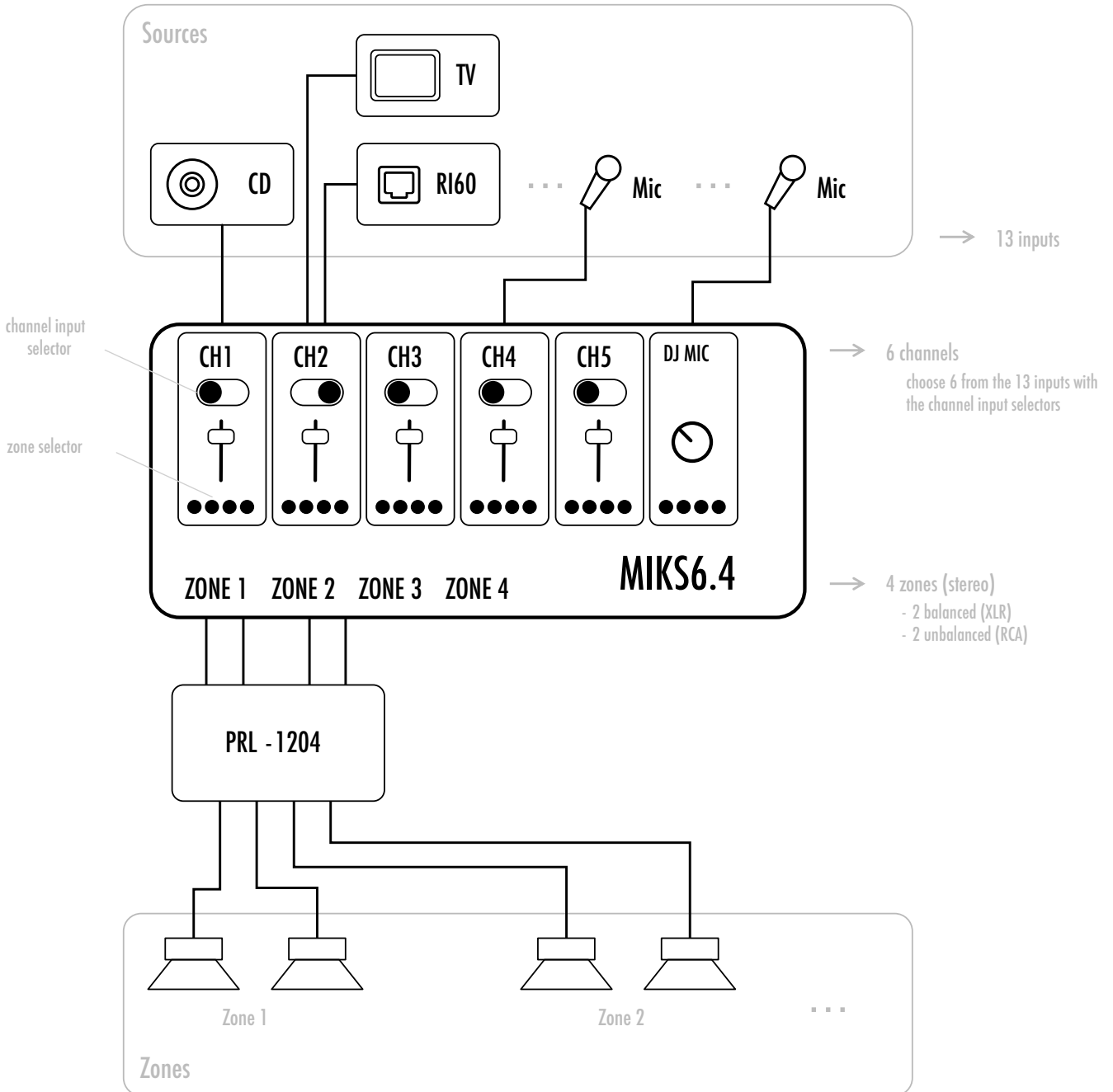
- AUX inputs (RCA)**  
CD, DVD-players, Tape Decks and other line level devices may be connected to these jacks.
- Line inputs (RCA) - Line 1-11**
- MIC inputs**  
Connect microphones to these inputs.
- Zone 4 output (RCA)**  
Every external source device (such as CD, DVD, NAS drive tape desk, ...) with line level can be connected (RCA).
- Zone 3 output (RCA)**  
Connect this output to amplifier, active speaker or a lighting console.
- Zone 2 output (balanced)**  
Connect this output to amplifier, active speaker or a lighting console.
- Zone 1 (balanced)**  
Connect this output to amplifier, active speaker or a lighting console.
- Power Switch**  
Power connector
- Power In**  
Use the included IEC power cable to connect the mixer to a power outlet.

## 4. Specifications.

Model	MIKS6.4
Frequency range	20Hz-20KHz
Zones	4
Zone outputs	3-pin XLR / RCA
S/N ratio	88 dB
THD	0.03% (line) 0.15% (mic)
Tone control	3-band equalizer
MIC-inputs	5 mV RMS, 2 x 6.3 mm mono jack, 1 x XLR
Line-inputs	200 mV RMS, 11 x RCA
Headphone	8 Ω, 1 x 6.3 mm stereo jack
Power supply	230 V AC
Power consumption	13W
Dimensions (h x w x d)	105 x 482 x 177 mm - [4U]
Weight	4 kg

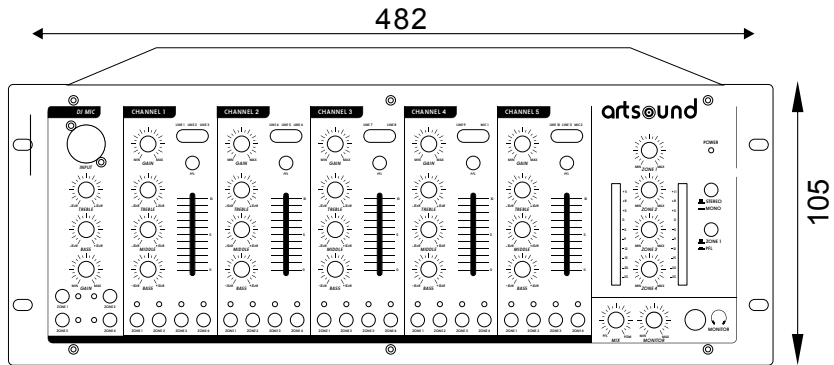
5. Applications.

REAR PANEL CONNECTIONS



### 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.**

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