

PA-120

MK2

Complete PA System



USER MANUAL





Dear customer,

first of all thanks for purchasing a **SOUNDSATION®** product. Our mission is to satisfy all the possible needs of musical instrument and professional audio users offering a wide range of products using the latest technologies for a reasonable price.

We hope you will be satisfied with this item and, if you want to collaborate, we are looking for a **feedback** from you about the operation of the product and for possible improvements to introduce in the next future. Go to our website www.soundsationmusic.com and send an e-mail with your opinion, this will help us to build instruments ever closer to customer's real requirements.

One last thing: read this manual before using the instrument, an incorrect operation can cause damages to you and to the unit. Take care!

The SOUNDSATION Team



UNBOXING

When you'll open the box you will find the following items:

- **1 PA-120 Mk2 Active Mixer**
- **2 Passive Speakers**
- **1 Power Cord**
- **2 Cables to connect the mixer to the speakers**
- **1 Dynamic Microphone with cable**
- **User Manual**

The packaging bag is not a toy! Keep out of reach of children!!!

Keep in a safe place the original packaging material for future use.

ACCESSORIES

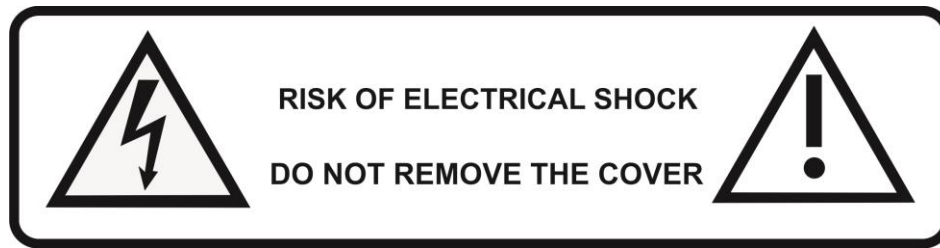
SOUNDSATION can supply a wide range of quality accessories that you can use with the PA-120 MK2 system like Cables, Microphones, Stands, Headphones etc.

All the products from our catalogue has been long tested with this device so we recommend to use Genuine SOUNDSATION Accessories and Spare Parts.

Ask your SOUNDSATION dealer for any accessories you could need to ensure best performance of the product.



GENERAL WARNINGS



To prevent possible damages read the following list of actions:

- Do not place the instrument in wet or dirty environments.
- Do not remove the protective coverings.
- Do not cover any of the instrument's ventilation holes.
- Air must circulate freely around the instrument.
- Do not set the instrument on a surface with excessive vibration.
- Do not expose the instrument to electro-magnetic interference.
- Do not expose the instrument to heat, cold, wet or dust.
- Do not leave the instrument in direct sunlight.
- Do not expose the instrument to electrostatic forces.
- Do not place items with flames, such as candles or lighters, on the instrument.
- Do not place the instrument on anything containing water or other fluids.



Use Caution when you move the unit with his stand/tripod!

If any foreign objects enter the instrument, please contact your dealer or an authorized **SOUNDSATION** center.

The **serial number**, electrical features and international standards are printed in the back panel of the Active Mixer.

In case of problems remember to give the serial number to the responsible of the technical assistance.



OVERVIEW

The **PA-120 MK2** system is designed to be a powerful resource for live and educational purpose. The friendly user interface is one of the best features of this product and this allow you to configure your sound device in a fast and easy way.

The 6 Channel Active Mixer let you plug all the microphones or instrument you need for the entertainment thanks to the XLR inputs, the RCA and the mini-jack interface on Ch5/6 that allows you to plug a computer (Win or Mac), a smartphone or a portable MP3 player.

To increase the quality and get a great response the Mixer features Dual Band EQ on each Channel and a **Trial Band** EQ on the Master Section. This helps to improve the Sound Quality as well as removing some possible disturb on the input signal.

To reach the best performance **PA-120 MK2** is equipped with a Reverb+Delay 24BIT DSP FX to add to your MIC inputs choosing the amount for each Channel with the related knob integrated in every Channel Strip. In the FX section you can adjust the General Level, the Time and the Repeat of the effect

To let the PA-120 MK2 be an advanced Multimedia device SOUNDSATION introduced in this system the USB input to plug an USB Mass Storage as well as an SD Slot Card allowing you to reproduce all your music tracks in the best way.

The bundle is completed by a Dynamic Microphone supplied with is own cable.



MIXER

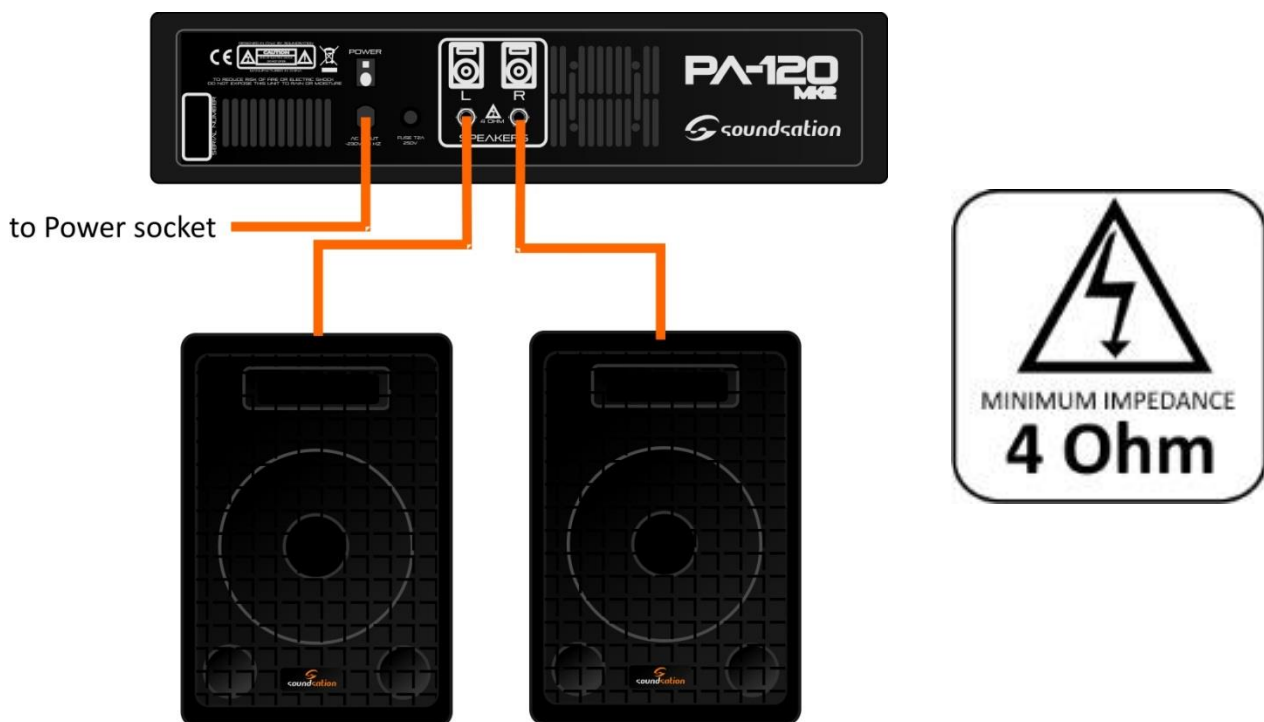
FRONT VIEW



BACK VIEW



POWER AND SPEAKERS CONNECTION



Channel Strip



1 - Use this XLR input to connect a Microphone. The Input Impedance is 2KOhm.

2 - Use this Jack input to connect a Guitar, a Keyboard, a Drum Machine or any other Jack based source.

3 - This Stereo Input can be used to connect an Educational keyboard, a CD input or any

4 - These controls allow to adjust the Equalization of each Channel:

LO adjust Bass frequencies +/- 15 dB with 80Hz cut point

HI adjust High Frequencies +/- 15 dB with 12KHz cut point

5 - The VOLUME knob adjust the level of each channel to send to the Master Out

6 - This knob regulates the amount of the FX for each Channel



FX SECTION



PA-120 mk2 is equipped with a Genuine 24 bit FX DSP featuring a Delay/Reverb effect useful to add more emphasis to the human voices.

These 3 knobs allow to adjust:

LEVEL - the total amount of the FX to send to the Master Section

TIME - the interval between 2 delays

REPEAT - the rate of the delays

EQ SECTION



Each channel has got his own Equalization but, in order to improve the quality of the sound, there is also a general Equalization that helps to define the final mix result.

The 3 knobs adjust:

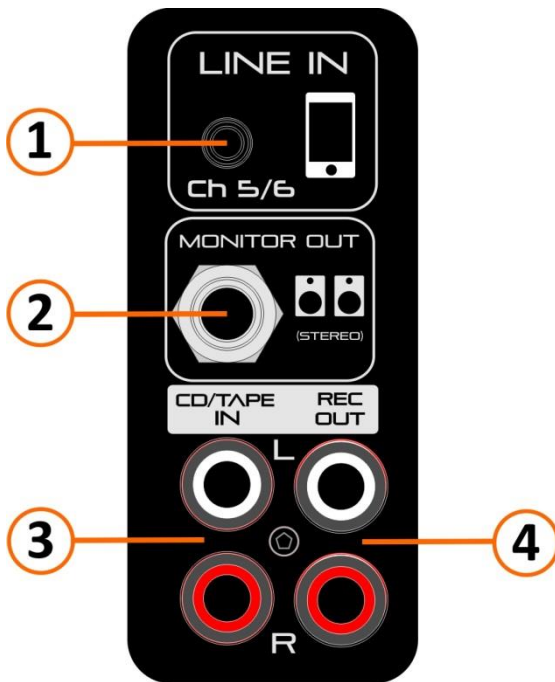
-LO adjust Bass frequencies +/- 15 dB with 80Hz cut point

-MID adjust Middle frequencies +/- 15dB with 3 KHz cut point

- HI adjust High Frequencies +/- 15 dB with 12KHz cut point



LINE IN, MONITOR OUT & RCA



1 - This input is useful to connect a stereo line source like MP3 player, a computer or a smartphone with a 3,5mm jack.

2 - This stereo output (balanced) is useful to connect to the mixer a couple of active speakers or a stage monitor. The signal is a copy of the Master out.

3 - This RCA input accepts a stereo line source like a CD/DVD player or a TAPE recorder. The level of this input can be adjusted with the related control placed next to the Master Knob.

4 – The REC OUT is useful to send a stereo line signal to a recorder via RCA connectors.

MASTER SECTION



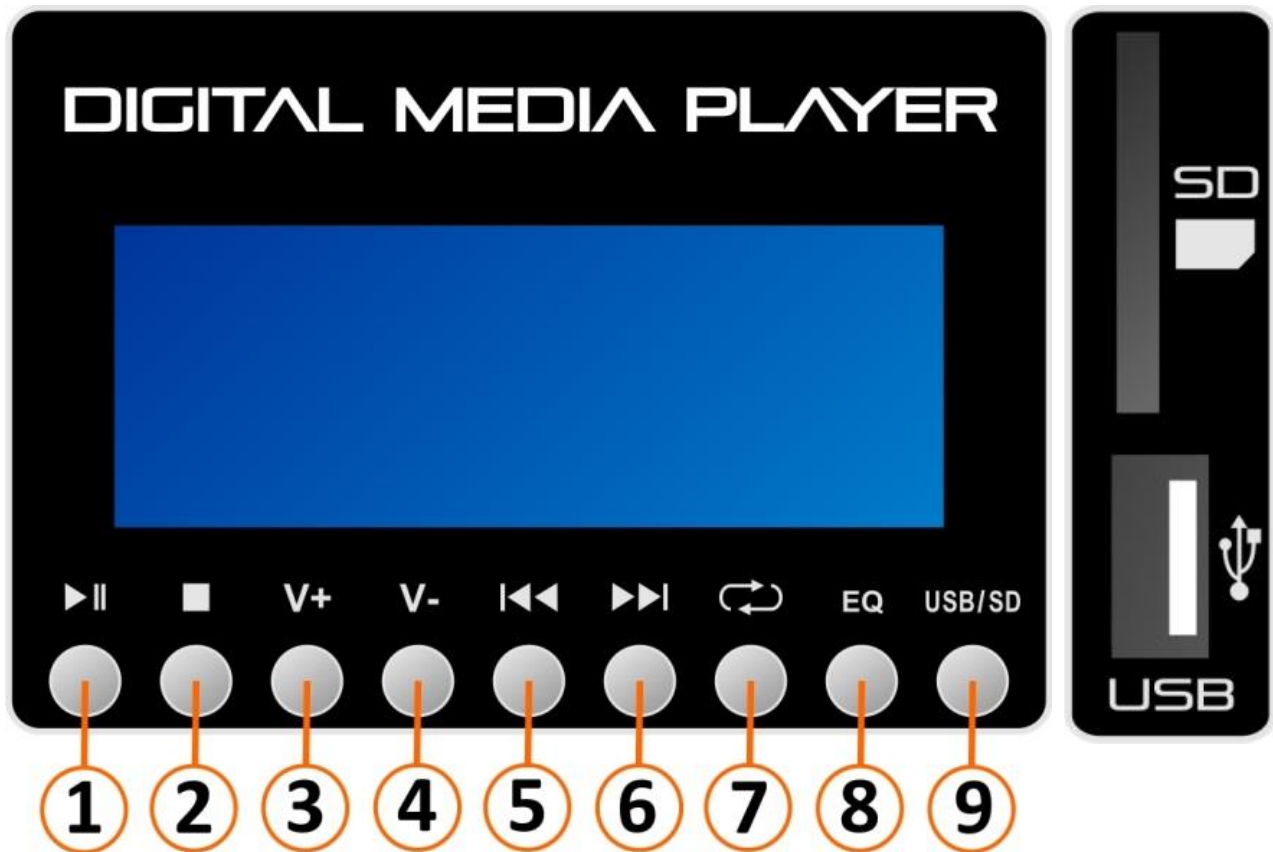
These 2 knobs controls respectively:

-the amount of CD/Tape input signal to send to the Master Out

-the general Volume of the Mixer (what you will hear trough the speakers)



DIGITAL PLAYER



1 Play/Pause - Press this button to play the chosen song. Press it again to momentarily interrupt the playing. Press a third time to continue the reading of the song.

2 Stop - Press this button to end the song

3 Volume + - Use this button to increase the Volume

4 Volume - - Use this button to disincrease the Volume

5 Next Song - Press this button once to go to the next song.

6 Prev Song - Press this button once to go to the previous song.

7 Repeat - Press this button once to play the current song repeatedly

8 EQ -Use this button to select different Equalization preset (Normal, Jazz,Rock,Pop,Classic)

9 USB/SD - This button let you choose between USB or SD card source

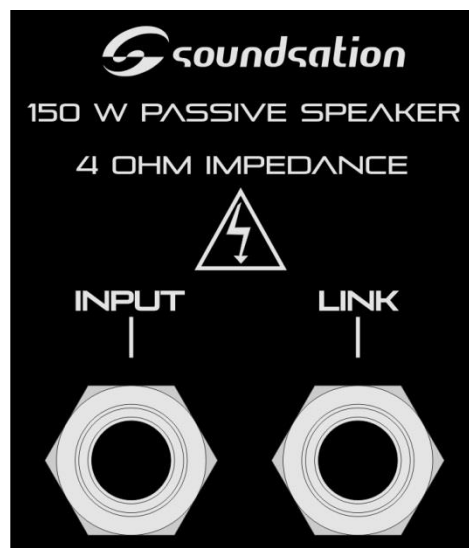


SPEAKERS



The 2 passive speakers are 150W power (max) and features 1 x 10" Woofer and 1 x Piezo Tweeter with a Frequency Response of 50Hz to 18 KHz. Under each wood case there is a typical 35mm Fixing hole plate to let you setup these units with a Speaker Stands. (we strongly recommend to use genuine SOUNDSATION stands to prevent possible damages to the items).

BACK PANEL



In the back panel of each speaker you find this metal plate
Use the **INPUT** to connect the unit to the Mixer
The **LINK** output can be used to connect another passive speaker in chain.



SPECIFICATION

- 2 x 100 W Active Mixer
- 2 x Bass Reflex 150 W Passive Speakers
- 6 Audio Channel Inputs (4 x Mono /Line – 1 x Stereo Line)
- Stereo Monitor Out
- 24 BIT DSP FX with Adjustable Level, Time and Repeat
- USB/SSD Inputs (max 8Gb)
- Dual Band EQ (Bass- Treble) for each Channel
- Trial Band EQ (Bass- Mid- Treble) for Master Section
- 35mm Mounting Hole
- 1 x 10” LF Speaker
- 1 x Piezo Tweeter
- Frequency Range: 65Hz to 20KHz
- AC Input 230 V – 50Hz - Fuse T2A 250V



WARRANTY & SERVICE

All SOUNDSATION products feature a limited two-year warranty. This two-year warranty is specific to the date of purchase as shown on your purchase receipt.

The following cases/components are not covered from the above warranty :

- Any accessories supplied with the product
- Improper use
- Fault due to wear and tear
- Any modification of the product effected by the user or a third party

SOUNDSATION shall satisfy the warranty obligations by remedying any material or manufacturing faults free of charge at SOUNDSATION's discretion either by repair or by exchanging individual parts or the entire appliance. Any defective parts removed from a product during the course of a warranty claim shall become the property of SOUNDSATION

While under warranty period, defective products may be returned to your local SOUNDSATION dealer together with original proof of purchase. To avoid any damages in transit, please use the original packaging if available. Alternatively you can send the product to SOUNDSATION SERVICE CENTER – Via Enzo Ferrari , 10 – 62017 Porto Recanati - Italy . In order to send a product to service center you need an RMA number. Shipping charges have to be covered by the owner of the product.

For further information please visit www.soundsationmusic.com



WARNING

PLEASE READ CAREFULLY – EU and EEA (Norway, Iceland and Liechtenstein) only



This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2202/96/EC) and your national law.

This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (WEEE) .

Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time , your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources.

For more information about where you can drop off your waste equipment for recycling , please contact your local city office , waste authority , approved WEEE scheme or your household waste disposal service.

Contents and images shown on this manual can be changed without any notice. Please visit our website www.soundsationmusic.com to check latest version.

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