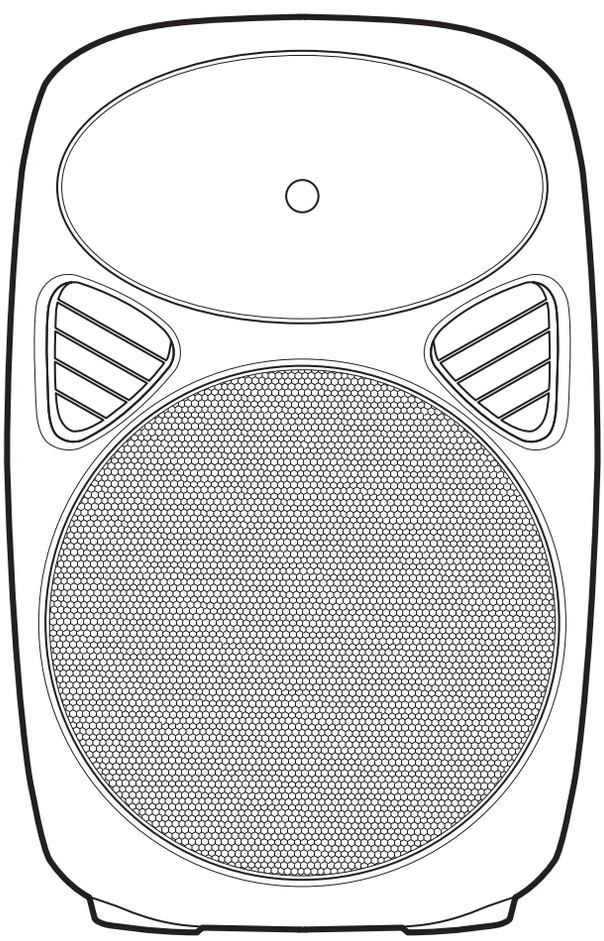
SPA series

Professional Loudspeaker System

User's Manual



PROAUDIO

IMPORTANT SAFETY SYMBOLS

The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.

The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety reasons.

Protective grounding terminal

Alternating current/voltage

Hazardous live terminal

ON: Denotes the apparatus is turned on

OFF: Denotes the apparatus is turned off.

WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the operator.

CAUTION: Describes precautions that should be observed to prevent danger of the apparatus.

IMPORTANT SAFETY INSTRUCTIONS

·**Read these instructions.**

·**Keep these instructions.**

·**Heed all warning.**

·**Follow all instructions.**

·**Water & Moisture**
The apparatus should be protected from moisture and rain, can not used near water, for example: near bath-tub, kitchen sink or a swimming pool, etc.

·**Heat**
The apparatus should be located away from the heat source such as radiators, stoves or other appliances that produce heat.

·**Ventilation**
Do not block areas of ventilation opening. Failure to do could result in fire. Always install accordance with the manufacturer's instructions.

·**Object and Liquid Entry**
Objects do not fall into and liquids are not spilled into the inside of the apparatus for safety.

·**Power Cord and Plug**
Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety.
If the provided plug does not fit into your outlet, refer to electrician for replacement.

·**Power Supply**
The apparatus should be connected to the power supply only of the type as marked on the apparatus or described in the manual. Failure to do could result in damage to the product and possibly the user.

Unplug this apparatus during lightning storms or when unused for long periods of time.

·**Fuse**
To prevent the risk of fire and damaging the unit, please use only of the recommended fuse type as described in the manual. Before replacing the fuse, make sure the unit turned off and disconnected from the AC outlet.

·**Electrical Connection**
Improper electrical wiring may invalidate the product warranty.

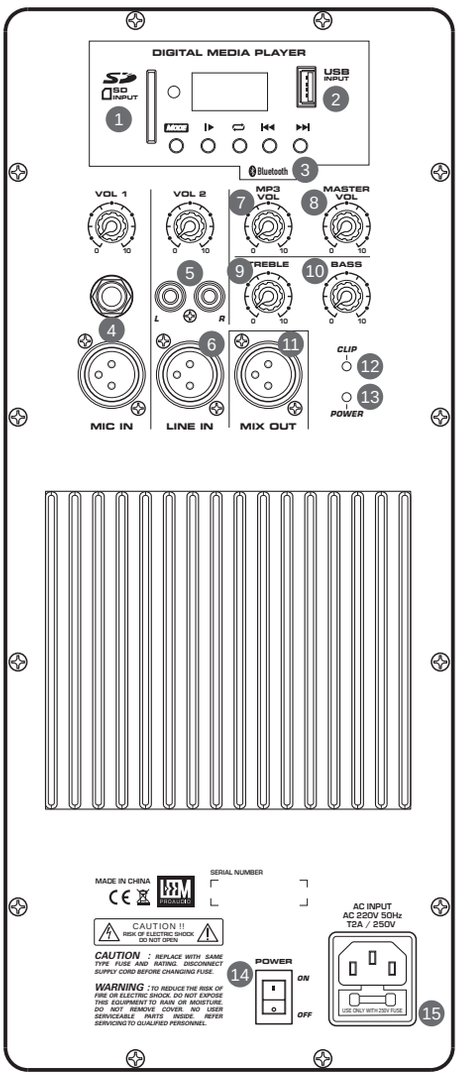
·**Cleaning**
Clean only with a dry cloth. Do not use any solvents such as benzol or alcohol.

·**Servicing**
Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only.

·Only use accessories/attachments or parts recommended by the manufacturer.

·**Warning**
Please remember the high sound pressure do not only temporarily damage your sense of hearing, but can also cause permanent damage. Be careful to select a suitable volume.

1. ACTIVE SPEAKER SYSTEM



1. *SD Input*
A SD Connector for auxiliary signal input and MP3 player.

2. USB Input
A USB Connector for auxiliary signal input and MP3 player.

3. Bluetooth
Setting up a Bluetooth Connection with Mobile Devices

The built-in audio player features a Bluetooth receiver allowing you to stream music wirelessly from your mobile devices such as smartphones, tablets and notebooks.

1 Press the MODE button (repeatedly) on the audio player or the remote control until the display indicates " **N-BLU.**"

2 Activate the Bluetooth function on your mobile device and keep it at hand to pair it to the receiver. The Bluetooth receiver is indicated by " **BLUE** " on the display of your mobile device and has a range of approx. 10 meters.

3 Once the Bluetooth receiver is connected to your mobile device, the audio player's display indicates " **BLUE** " and is ready to play music. Just play music on your mobile device as you normally would and the sound will come out of the speaker system.

4 To interrupt or continue the playback, press the button [►II].

5 With the buttons [⏭] and [⏮] you can skip titles in forward or backward direction.

6 To switch over to playback of a USB device or a memory card press the button [**MODE**] (repeatedly).

■ **Bluetooth version: 2.1 Bluetooth** ■ **Frequency: 2.4G** ■ **Distance: 20m**

4. MIC INPUT
Plug a mic directly into this port for public address usage and let your voice be heard. (No phantom power)

5. RCA INPUT
Connect a CD player, digital media player, mixer, or other media source to these inputs. Control the output volume using the Line Input volume knob.

6. LINE INPUT(XLR)
Connect a line-level mixer or musrical instrument to this XLR line-level input. Control the output volume using the Line Input volume knob. Use this line-level input when linking together two Speaker units.

7. MP3 VOLUME CONTROL
This knob is used to control volume of the MP3.

8. MASTER VOLUME CONTROL
This control enables you to adjust the total volume level.

9. TREBLE CONTROL
This knob is used to regulate the amount treble applide
to the output signal.

10. BASS CONTROL
This knob is used to regulate the amount bass applied to the output signal.

11. MIX OUT
Connect this XLR output to another active (powered) speaker. The level of the output is controlled by each channel's volume setting (Mic Input volume, Line Input volume, and Media Panel volume)

12. CLIP LED
CLIP LED: This LED will flash red if the signal from inputs or Media Panel source is clipping.
If this happens decrease the setting of the Mic Input volume knob, Line Level volume knob, or Media Panel volume knob.

13. Power LED
Indicates whether speaker is powered on or off.

14. POWER SWITCH
This power switch turns on the system. Remember to adjust the volume level to the lowest setting before turn on the power switch.

15. AC INPUT CONNECTOR
Connect the included power cord to the AC input connector before push on the power switch.

Media Panel functions:

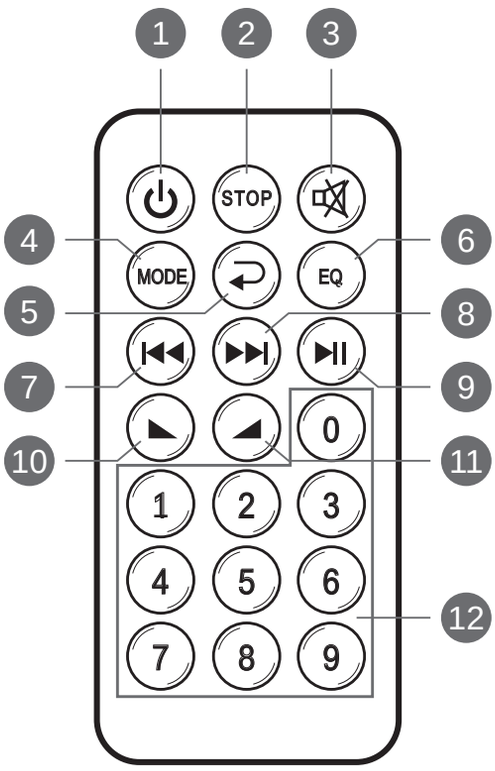
MODE	Switches modes from Bluetooth, FM radio, SD, USB.
▶II	Play/Pause the USB, SD, or Bluetooth source. Press and hold Play/Pause for 2 seconds to begin the preset auto-store function. This jumps to the lowest station (87.5) and then travels through the bandwidth to auto-store the strongest stations as presets.
⟲	Repeat the current playing USB or SD track (ONE), repeat all of the tracks (ALL).
I◀/◀◀	Navigates through USB and SD tracks. Plays the previous USB, SD, or Bluetooth track, or tunes the radio down one preset when pressed once. Hold the button down to seek back through radio stations.
▶I/▶▶	Plays the next USB, SD, or Bluetooth track, or tunes the radio up one preset when pressed once. Hold the button down to seek forward through radio stations.

*Note: In some apps, pressing the Prev or Next buttons may go to another playlist or music genre.

Media Panel Remote:

Note: Aim the remote straight at the front of the speakewoofer. Room lighting and bat tery life can affect the operating range of the remote control.

Note: In order to use the remote control for the first time, first pull out the tab attached to the battery compartment. To change the remote battery, follow the di agram located on the back of the remote.
Use a 3V DC CR2025 lithium button cell battery for replacement.



❶ **POWER**

❷ **Stop:** Stops the Media Panel source from playing.

❸ **Mute**

❹ **Mode:** Selects the Media Panel source: USB, SD, Bluetooth or FM radio

❺ **Repeat**

❻ **EQ:** Selects one of the following digital EQ presets to use with a Media Panel source:

❼ **Reverse:** Goes to the previous USB or SD card track. When listening to Bluetooth sources, pressing Prev in some apps may go to another playlist or music genre. When listening to the FM radio, press the Prev button once to skip back through the FM stations and hold the button down to seek back through the channel presets.

❽ **Forward:** Advances to the next USB or SD card track. When listening to Bluetooth sources, pressing Next in some apps may go to another playlist or music genre. When listening to the FM radio, press the Next button once to tune the radio down one preset and hold the button down to seek forward through the channel presets.

❾ **Play/pause:** Plays or pauses the USB, SD, or Bluetooth Media Panel source. Press and hold Play/Pause for 2 seconds to begin the preset auto-store function. This jumps to the lowest station(87.5) and then travels through the FM band to au to-store the strongest stations as presets.
Note: Files are played from the USB or SD source first by alphabetical order of what is on the root level, then alphabetical by folder, and then alphabetical by the track name.

❿ **VOL-:** Decreases the Media Panel source volume

⓫ **VOL+:** Increases the Media Panel source volume

⓬ **Number keys:** Provides channel selection for FM radio stations, and track selection for USB/SD card sources.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

2.SPECIFICATIONS

Model	**12"**	**15"**
Type	2-Way Active Speaker System	
Frequency Response	60Hz-20K(+/-3dB)	50Hz-20K(+/-3dB)
Sensitivity(1m/1w)	94dB	95dB
Woofer	12"MF/LF 2.0 Voice coil	15"MF/LF 2.0" Voice coil
Driver	1"Exit-1.0"Compression Drive	
Crossover	2.8KHz	2.5KHz
Max SPL	120dB	120dB
Bluetooth Module	yes	
Inputconnector	XLR/JACK/RCA	
Battery(12V/2.6AH)	yes	
Rated Power (@4 ohm)	120W	150W
Max. Power (@4 ohm)	250W	350W
Dimension(WxHxD)	420x630x342mm	480x740x395mm
Weight	10kg	13kg

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