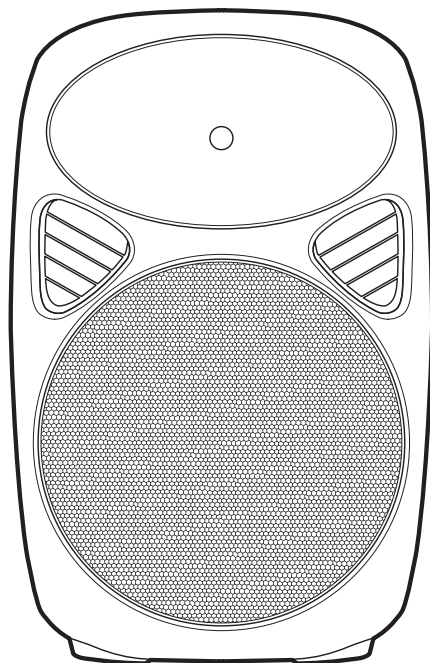


# SPA series

Professional Loudspeaker System

SPA-8 / SPA-10 / SPA-12 / SPA-15

## User's Manual



# Important safety information



**CAUTION** To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user serviceable parts inside, refer servicing to qualified service personnel.

**WARNING** To reduce the risk of electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This triangle on your component alert you to important operation and maintenance instructions in this accompanying literature.

All the safety and operation instructions should be read before the appliance is operated.

- Read these instructions.
- Follow all instructions.
- Keep all warnings.
- Do not use this equipment near water.
- Clean only with a damp cloth.
- Do not block any of the ventilation openings.
- Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 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. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Use only the attachments/accessories specified by the manufacturer.
- Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

• **AVOID EXCESSIVE HEAT, HUMIDITY, DUST AND VIBRATION**

Keep the unit away from locations where it is likely to be exposed to high temperatures or humidity—such as near radiators, stoves, etc. Also avoid locations which are subject to excessive dust accumulation, or to vibration that could cause mechanical damage.

• **AVOID PHYSICAL SHOCKS**

Strong physical shocks to the unit may cause damage. Handle the unit with care.

• **DO NOT OPEN THE CASE OR ATTEMPT REPAIRS OR MODIFICATIONS YOURSELF**

This product contains no user-serviceable parts. Refer all maintenance to qualified Soundart service personnel.

Opening the case and/or tampering with internal circuitry voids the warranty.

• **ALWAYS POWER OFF BEFORE MAKING CONNECTIONS**

Always turn the AC mains OFF before connecting or disconnecting cables. This is important to prevent damage to the unit itself as well as other connected equipment.

• **HANDLE CABLES CAREFULLY**

Always plug and unplug cables (including the AC mains power cord) by gripping the connector, not the cord.

• **CLEAN WITH A SOFT DRY CLOTH**

Never use solvents such as benzene or paint thinner to clean the unit. Wipe clean with a soft, dry cloth.

## Important safety information

! Never expose the mixer and the power supply to heat sources, direct sunlight, excessive vibrations or mechanical shocks.

! Avoid operation and storing the units in damp or dusty places, and absolutely never expose them to rain: this will avoid malfunctions, premature degrading of specifications and the risk of electrical shocks and fires.

! Avoid using the mixer close to strong sources of electromagnetic interferences (e.g. video monitors, high power electrical cabling). This may lead to degradation of audio quality due to induced voltages in connection cables and chassis. For the same reason, always place the power supply as far as possible from the mixer.

! Before moving the mixer, disconnect all cables from the unit. Take care of the connectors cables, always coil them avoiding knots and twists.

! Never apply excessive force to the controls (sliders, potentiometers and switches).

! Protect the mixer during transport using the flight case or a suitable packaging.

! Use only a soft dry brush or compressed air to clean the panel. Do not use alcohol solvents or detergents.

▶ Both models use a separate power supply. Never use a different power supply (or a home made unit): this is likely to cause damage.

▶ Connect the power supply to the mixing console using the supplied multipin cable, and the power supply to the mains multipin cable, and the power supply to the mains socket using the supplied power cable, or any suitable three conductor cable conforming to applicable safety regulations. Be sure that the ground conductor is connected.

▶ Before connecting to main socket, be sure that the mains voltage corresponds to the one indicated on the power supply unit.

▶ The power supply unit needs free air circulation for proper cooling: never cover it in any way during operation.

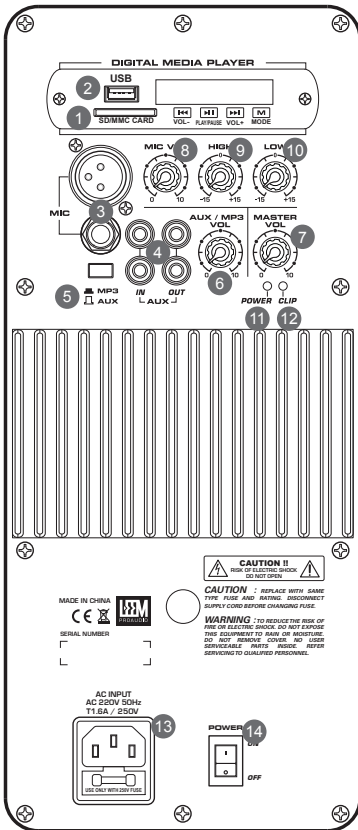
▶ Always switch off the power supply before connecting or disconnecting the mixer's supply cable or before attempting service to the mixer (in any case service must be done by qualified personnel only).

▶ Before switching on or off the power supply, close (set to minimum) the output faders. This will avoid switching noises that may cause damages to loudspeakers.

▶ Always use quality cables and connectors.

# Active speaker system

## <SPA-8 / SPA-10>



### 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. MIC INPUT

Plug a mic directly into this port for public address usage and let your voice be heard. [No phantom power]

### 4. RCA INPUT

Connect a CD player, digital media player, mixer, or other media source to these inputs.

### 5. AUX / MP3 TOGGLE SWITCH

If you are using USB, SD at the MP3 player, press the switch down to select the MP3 response curve. If you are using by the Aux input, leave the switch up to select the Aux response curve.

### 6. AUX / MP3 VOLUME CONTROL

This knob is used to control volume of the Aux Input or MP3.

### 7. MASTER VOLUME CONTROL

This control enables you to adjust the total volume level.

### 8. MIC VOLUME CONTROL

This knob is control volume of the Microphone.

### 9. HIGH LEVEL CONTROL

This knob is used to regulate the amount High frequency applied to the output signal.

### 10. LOW LEVEL CONTROL

This knob is used to regulate the amount Low frequency applied to the output signal.

### 11. POWER LED

Indicates whether speaker is powered on or off.

### 12. 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, Aux / MP3 volume knob or Media Panel volume.

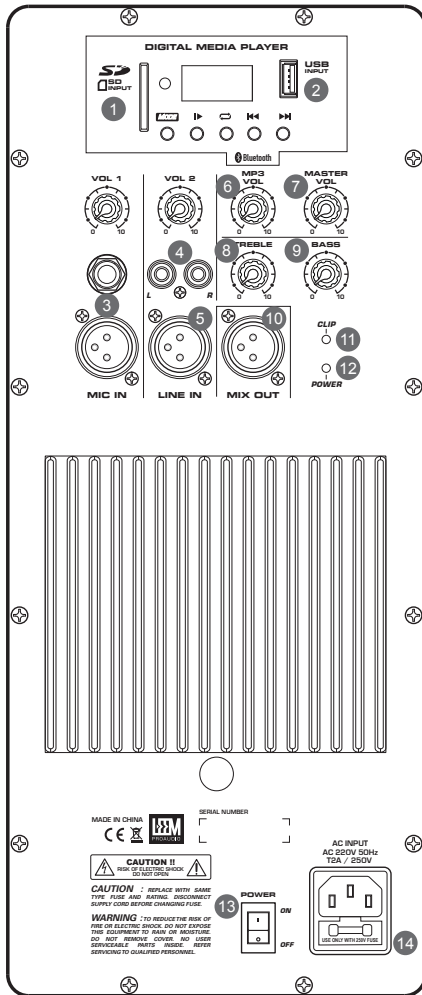
### 13. AC INPUT CONNECTOR

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

### 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.

## <SPA-12 / SPA-15>



### 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. MIC INPUT

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

### 4. 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.

### 5. LINE INPUT (XLR)

Connect a line-level mixer or musical 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.

### 6. MP3 VOLUME CONTROL

This knob is used to control volume of the MP3.

### 7. MASTER VOLUME CONTROL

This control enables you to adjust the total volume level.

### 8. TREBLE CONTROL

This knob is used to regulate the amount treble applied to the output signal.

### 9. BASS CONTROL

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

### 10. 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)

### 11. 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.

### 12. POWER LED

Indicates whether speaker is powered on or off.






### 13. 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.

### 14. AC INPUT CONNECTOR

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

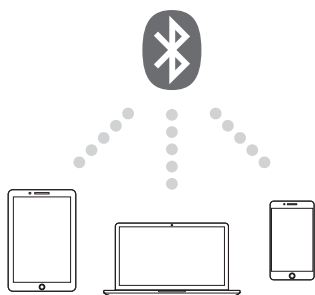
## Media Panel functions

	Switches modes from Bluetooth, FM radio, SD, USB.
	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).
	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.
	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.

## Bluetooth

### Setting up a Bluetooth Connection with Mobile Devices




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



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 [  ].

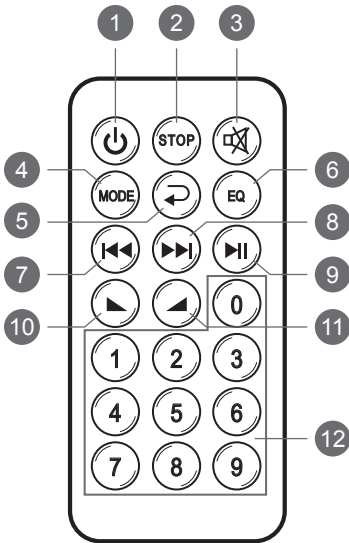
**5** With the buttons [  ] and [  ] you can skip titles in forward or backward direction.

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

# Media Panel Remote

Note : Aim the remote straight at the front of the speaker woofer. Room lighting and battery 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 diagram located on the back of the remote. Use a 3V DC CR2025 lithium button cell battery for replacement.



## 1. POWER

## 2. STOP

Stops the Media Panel source from playing.

## 3. MUTE

## 4. MODE

Selects the Media Panel source : USB, SD, Bluetooth or FM radio.

## 5. REPEAT

## 6. EQ

Selects one of the following digital EQ presets to use with a Media Panel source.

## 7. 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.

## 8. 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.

## 9. 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 auto-store the strongest stations as presets.

Note : Files are played from the USB, SD source first by alphabetical order of what is on the root level, then alphabetical by folder, and then alphabetical by the track name.

## 10. VOL -

Decreases the Media Panel source volume.

## 11. VOL +

Increases the Media Panel source volume.

## 12. NUMBER KEYS

Provides channel selection for FM radio stations, and track selection for USB / SD card sources.

# Specifications

MODEL	SPA-8	SPA-10	SPA-12	SPA-15
System Type	2 way active	2 way active	2 way active	2 way active
Freq. Response (-3dB)	75Hz - 20kHz	70Hz - 20kHz	60Hz - 20kHz	50Hz - 20kHz
Sensitivity (1m / 1w)	92dB	93dB	94dB	95dB
Woofers	8" MF / LF 1.5" voice coil	10" MF / LF 1.5" voice coil	12" MF / LF 2.0" voice coil	15" MF / LF 2.0" voice coil
Driver	1" exit-1.0" compression driver	1" exit-1.0" compression driver	1" exit-1.0" compression driver	1" exit-1.0" compression driver
Crossover	3.5kHz	3.0kHz	2.8kHz	2.5kHz
Max SPL	110dB	115dB	120dB	120dB
Bluetooth Module	yes	yes	yes	yes
Input Connector	XLR / JACK / RCA	XLR / JACK / RCA	XLR / JACK / RCA	XLR / JACK / RCA
Rated Power(@4ohm)	50W	65W	100W	100W
Max. Power(@4ohm)	100W	120W	200W	200W
Dimensions (WxHxD mm)	305 x 455 x255	365 x 565 x 300	435 x 670 x 400	485 x 755 x 400
Weight	6.3kg	7.8kg	11kg	14.2kg

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