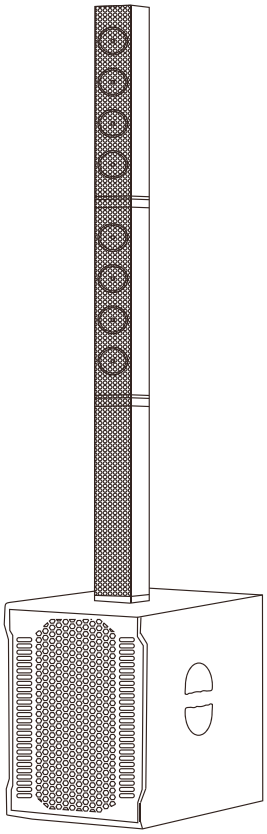
Berlingtone

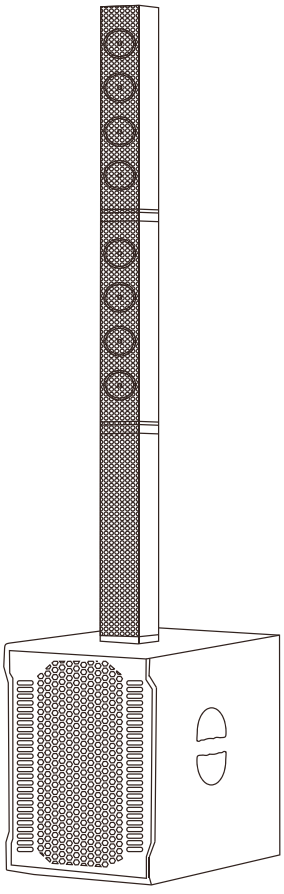
PROFESSIONAL ACTIVE SPEAKER

USER MANUAL

BR-122SP



BR-155SP



FEATURES

- Exceptionally high sound pressure level
- Class-D bi-amplification
- Linear frequency response
- Wood Cabinet
- Compact design
- DSP functions with LCD screen
- Bluetooth connecting and TWS

FCC ID : 2BGOZJAD

DESCRIPTION

The BR series is designed to deliver exceptional audio performance and versatility for intensive audio applications. It features 8 x 3" Full range driver, 12”/15" woofer, two-channel 1,400W amplifier, and a constant directivity True Resistive Waveguide that produces a coherent 100° x 60° coverage for the listening area with up to 128 dB(12”) and 129 dB(15”) SPL, ensuring distortion-free sound.

The amp panel comes with a DSP function and an LCD screen for multi-place use, perfectly tuned for each model. The audience will experience absolute clarity and deep, powerful bass response.

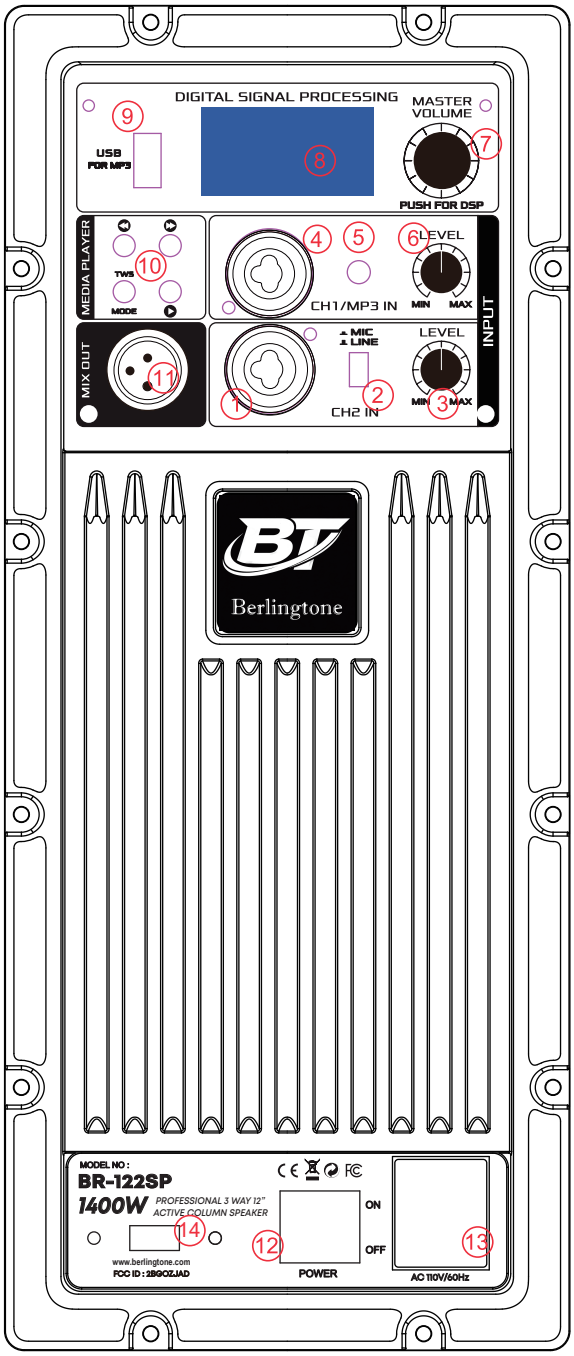
The sleek cabinet is made of a special polypropylene composite material with an Mbrace internal reinforcement, making it easy to carry and secure to install on a pole, flown-, wall, or truss-mounted setting, using the multiple rigging points available.

TECHNICAL SPECIFICATIONS

Acoustical specifications

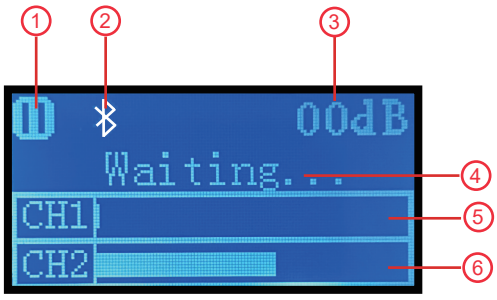
		BR-122SP	BR-155SP
	Frequency Response:	50 Hz ÷ 20000 Hz	45 Hz ÷ 20000 Hz
	Max SPL @ 1m:	128 dB	129 dB
	Horizontal coverage angle:	100°	100°
	Vertical coverage angle:	60°	60°
Transducers	Full range /TW:	8 x 3"	8 x 3"
	Woofer:	12", 3" v.c	15", 3" v.c
Input/Output section	Input signal:	bal/unbal	bal/unbal
	Input connectors:	XLR, Jack	XLR, Jack
	Output connectors:	XLR	XLR
	Input sensitivity:	-10 dBu / 0 dBu	-10 dBu / 0 dBu
Processor section	Crossover Frequencies:	180 Hz	180 Hz
	Protections:	OCP	OCP
	Limiter:	Soft Limiter	Soft Limiter
	Controls:	Music, DJ, Speech	Music, DJ, Speech
Power section	Total Power:	1400 W Program	1, 600 W Program
	High frequencies:	550 W Program	550 W Program
	Low frequencies:	850 W Program	950 W Program
Shipping informations	Package Height:	680 mm	680 mm
	Package Width:	410 mm	495 mm
	Package Depth:	570 mm	670 mm
	Package Weight:	30.5 kg	38.5 kg

REAR PANEL FEATURES AND CONTROLS



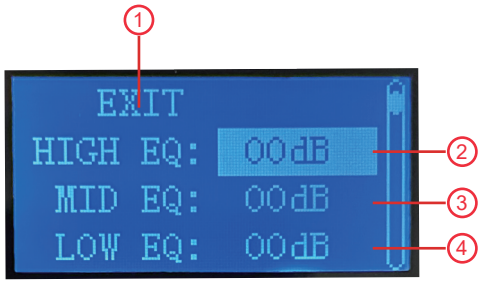
Back Panel

1. Combo Input - This CH1 balanced input accepts standard JACK or XLR male connector for Line in or Microphone in.
2. MIC/LINE SWITCH- This is CH1 Mic/Line Switch
3. LEVEL- This is CH1 Input LEVEL controls.
4. Combo Input - This CH2 balanced input accepts standard JACK or XLR male connector for Line in.
5. AUX IN- This is CH2 Aux Input accepts 1/8” jack.
6. LEVEL- This is CH2 Input & Bluetooth LEVEL controls.
7. Master Volume- Adjusts the master volume and Push down into DSP mode.
8. LCD Screen- Shows all the informations and status.
9. USB FLASH - Only accepts MP3 music format.
10. Media Player Control - Controls Bluetooth and USB flash.
11. Mix Out - This XLR output connector provides a method of sending audio out to an external source.
12. Power Swith - Turns the power ON or OFF.
13. AC input Connector - AC power connection with Main fuse housing.
14. AC input Select- 115V / 230V select



Main display

1. Media player status - Play or Pause
2. Bluetooth status
3. Master Volume status
4. Bluetooth device name
5. Channel 1 Input signal Meter. If input signal too much will display “LIMIT”
6. Channel 2 Input signal Meter. If input signal too much will display “LIMIT”



DSP Main Menu - EQ

Press the Master volume button into DSP mode.
Turn left or right to navigate the menu. Press down to select and confirm.

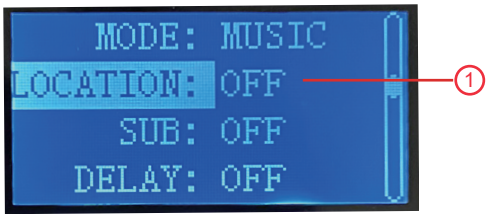
1. Exit DSP mode
2. Treble EQ - Adjust the High frequency between -12dB to +12dB
3. Mid EQ - Adjust the Middle frequency between -12dB to +12dB
4. Bass EQ - Adjust the Bass frequency between -12dB to +12dB



DSP Main Menu - DSP MODE Pre-set

Press the Master volume button into DSP mode.
Turn left or right to navigate the menu. Press down to select and confirm.

1. DSP Mode Pre-set
   MUSIC - This preset is recommended for all regular applications.
   DJ - This preset is recommended for club or party applications.
   LIVE-This preset is recommended for live show applications.
   SPEECH - This preset is recommended for speech or other application with less low frequency response.



DSP Main Menu - LOCATION

Press the Master volume button into DSP mode,
Turn left or right to navigate the menu , Press down to select and confirm.

1. Location set
   OFF - This preset is recommended for Tripod applications.
   Normal - This preset is recommended for Floor or Tripod applications.
   Monitor - This preset is recommended for Stage Monitor application.



DSP Main Menu - SUB HPF

Press the Master volume button into DSP mode.
Turn left or right to navigate the menu. Press down to select and confirm.

1. Sub HPF set
This preset is for using Extral subwoofer at the same time as a whole PA system.
Depending on the range and specifications of the subwoofer.
   OFF - No HPF set.
   80 Hz - HPF 80 Hz
   100 Hz - HPF 100 Hz
   120 Hz - HPF 120 Hz



DSP Main Menu - DELAY

Press the Master volume button into DSP mode.
Turn left or right to navigate the menu. Press down to select and confirm.

1. HF Delay set
Use the Delay menu option if you need to delay the HF signal for get the different distance.The delay time between 0 ms to 300 ms.



DSP Main Menu - LCD Dim / BRIGHT / CONTRAST

Press the Master volume button into DSP mode.
Turn left or right to navigate the menu. Press down to select and confirm.

1. LCD Dim
OFF - LCD screen is constantly on.
ON - LCD screen turns dark after 120 sec without any opreation.

2. BRIGHT
Adjust the screen's brightness from 0 to 10 .

3. CONTRAST
Adjust the screen's contrast from 0 to 10 .



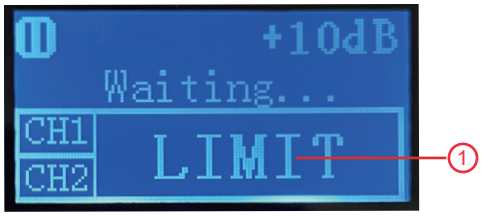
DSP Main Menu - RESET

Press the Master volume button into DSP mode.
Turn left or right to navigate the menu. Press down to select and confirm.

1. RESET
Reset all settings to default (factory reset) .

2. INFO
Infomation about the DSP version.

3. EXIT
Exit DSP menu,This also happens automatically after 5 sec without any operation..



Main dispaly - LIMIT

1. LIMIT
Indicates the signal to the speaker is too high, resulting in a clipped signal into the speaker. Reduce the input level knob or turn Master Volume down.

Connecting to Bluetooth device

- Turn on the power switch, the Bluetooth symbol in the LCD screen will start blinking.
  If the Bluetooth symbol does not appear, press the Mode button to enter Bluetooth status.
- Go to the Bluetooth menu of your player and select " Berlingtone" to pair device.
- The Bluetooth symbol lights up continuously in the LCD screen as soon as they are properly paired.
  And the LCD screen will show the Bluetooth device name.
- Disconnect Bluetooth device by pressing and holding PLAY button for 3 sec.

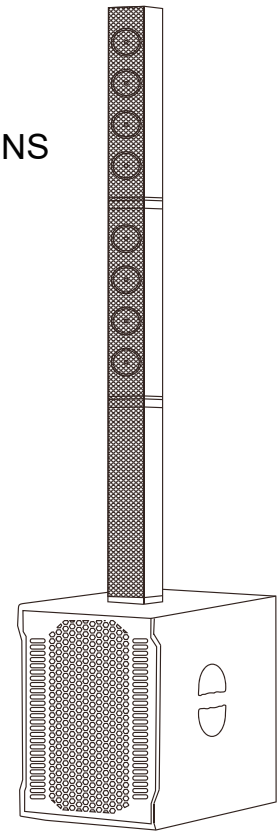
TWS LINK

- Turn on both speakers and press MODE button into Bluetooth mode.
- Choose the speaker which you want as the master (The master speaker is the one who will control the music)
  Press "MODE" button and hold 3 sec and release.(it will link automatically once TWS linked Screen will shows berlingtone)
- Go to the Bluetooth menu of your player and select " Berlingtone" to pair device.
- Disconnect TWS, by pressing and holding MODE button for 3 sec.

PROFESSIONAL ACTIVE SPEAKER

TECHNICAL SPECIFICATIONS

Acoustical specifications



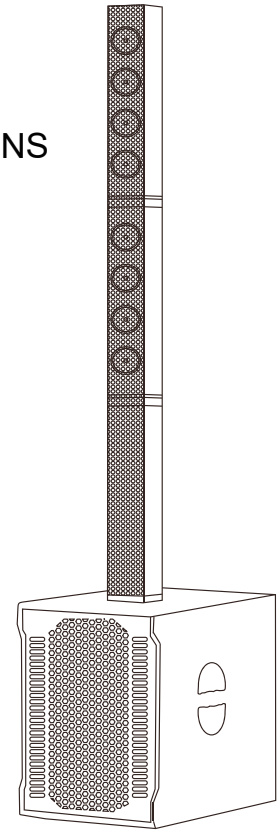
BR-122SP

	Frequency Response:	50 Hz ÷ 20000 Hz
	Max SPL @ 1m:	128 dB
	Horizontal coverage angle:	100°
	Vertical coverage angle:	60°
Transducers	Full range /TW:	8 x 3"
	Woofer:	12", 3" v.c
Input/Output section	Input signal:	bal/unbal
	Input connectors:	XLR, Jack
	Output connectors:	XLR
	Input sensitivity:	-10 dBu / 0 dBu
Processor section	Crossover Frequencies:	180 Hz
	Protections:	OCP
	Limiter:	Soft Limiter
	Controls:	Music, DJ, Speech
Power section	Total Power:	1400 W Program
	High frequencies:	550 W Program
	Low frequencies:	850 W Program
Shipping informations	Package Height:	680 mm
	Package Width:	410 mm
	Package Depth:	570 mm
	Package Weight:	30.5 kg

PROFESSIONAL ACTIVE SPEAKER

TECHNICAL SPECIFICATIONS

Acoustical specifications



BR-155SP

	Frequency Response:	45Hz ÷ 20000 Hz
	Max SPL @ 1m:	129 dB
	Horizontal coverage angle:	100°
	Vertical coverage angle:	60°
Transducers	Full range /TW:	8 x 3"
	Woofer:	15", 3" v.c
Input/Output section	Input signal:	bal/unbal
	Input connectors:	XLR, Jack
	Output connectors:	XLR
	Input sensitivity:	-10 dBu / 0 dBu
Processor section	Crossover Frequencies:	180 Hz
	Protections:	OCP
	Limiter:	Soft Limiter
	Controls:	Music, DJ, Speech
Power section	Total Power:	1600 W Program
	High frequencies:	550 W Program
	Low frequencies:	950 W Program
Shipping informations	Package Height:	680 mm
	Package Width:	495 mm
	Package Depth:	670 mm
	Package Weight:	38.5 kg

Berlingtone

PROFESSIONAL ACTIVE SPEAKER

