

DiamondBoxx

Portable Amplifier System



Model PA15 Owner's Manual Rev 2
2019
Camarillo, California
USA

PA15 OPERATING INSTRUCTION

To customers:

Congratulations on your purchase of the highest performance portable Bluetooth speaker / amplifier system available. Our design goal was to build something that could be heard over a noisy gathering or environment while sounding great. As well as being completely portable, without need for nearby electricity. We used the highest quality materials for each intended purpose.

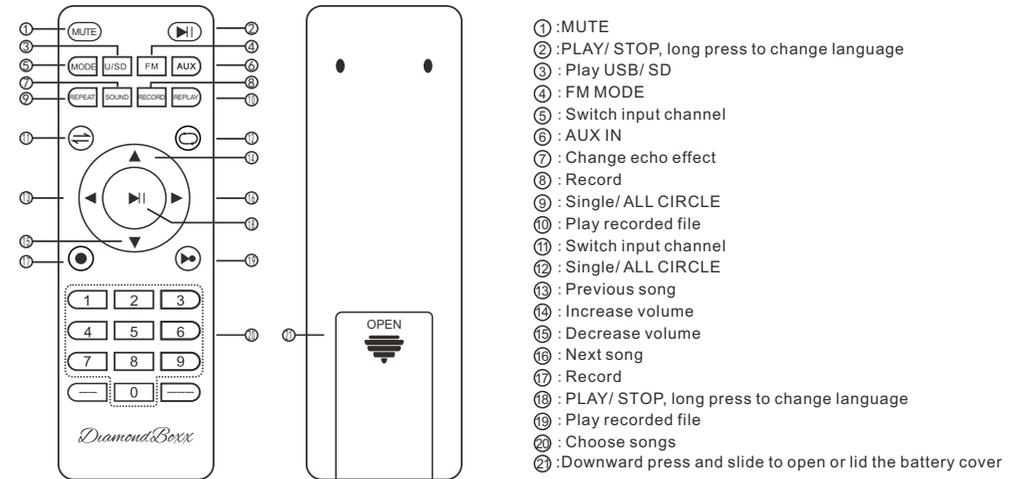
Your DiamondBoxx was hand-built, and if cared for properly should provide you with years of listening pleasure. To clean use a water dampened cloth only.

Product features

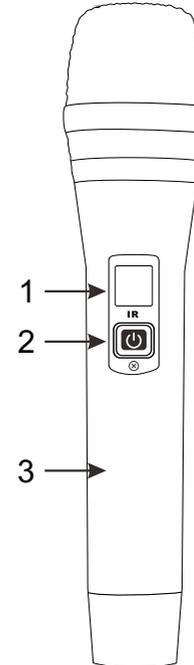
1. Support USB drive input, volume support: 128m/ 256m/ 1GB/ 2GB/ 4GB/ 8GB/ 16 GB.
2. Support TF card input, volume support: 128m/ 256m/ 1GB/ 2GB/ 4GB/ 8GB/ 16 GB.
3. Support MP3, WMA, WAV, and lossless music format.
4. Use high-end Bluetooth chips, support playing Hi-Fi music with long distance.
5. Support Karaoke function and priority to microphone.
6. Built-in high fidelity wireless microphone receiver.
7. Built-in high capacity and long-life battery with well-established technology for protecting battery
8. Support AUX input, can be connected with DVD, mobile phone, MP3, tablet, TV, etc.
9. Support infrared remote control function.
10. Support high fidelity record.
11. Support automatic charge when shutdown, charging indication, full-charging indication, low-voltage indication, low-voltage protection, full-charging protection.
12. We used high fidelity speaker driver units, to reproduce original voicing.
13. Use high-end imported components, which have stable and reliable quality

Ok! Let's Play!

Remote Control



Handheld/Headset Microphone

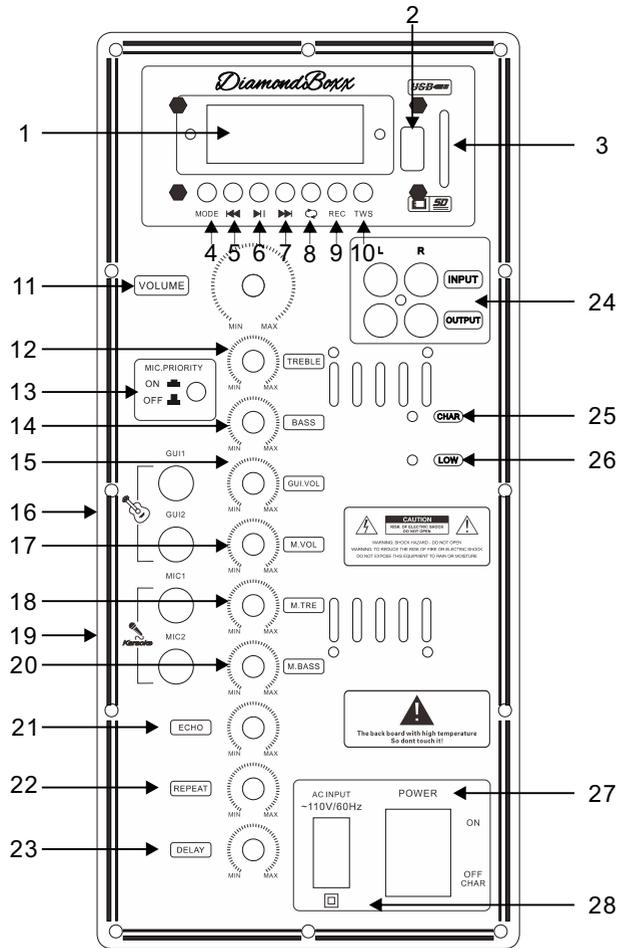


- 1.- **Operating indicator Display:** When the microphone is in working state, the display will light up, and the strength of the signal emitted by the microphone, the battery status and the frequency will be displayed in the display.
- 2.- **Operation switch:** Long press for 2-3 seconds to turn on the microphone, when the microphone is working, long press for 2-3 seconds the microphone will turn off.
- 3.- **Battery cover:** Unscrew this cover to access the battery holder. Use two batteries type LR6-AA, preferably alkaline. When inserting the batteries, make sure that the polarity is correct.

Note:

- In order to achieve the best singing performance, the mouth and the microphone should be kept at a proper distance. Too far will affect the bass effect, and too close will have the air impact sound
- If the microphone is not used for a long time, please remove the battery to prevent battery leakage from damaging the microphone accessories.
- Temporarily stop using, you can turn off the microphone to extend the battery life.
- After using the microphone for a long time, if the displayed battery is insufficient, in order not to affect the use effect, the battery should be replaced in time.
- When using the microphone, please do not toss, drop, throw, or fling to avoid serious damage.
- Do not use solvent, diluent, or other chemical liquids to clean the product, otherwise the surface protective layer will be injured. You can clean the product with a soft cloth or glass cleaner.

Panel/rear plate/MP3 function and operation



- 1.- Information screen
- 2.- Connection port of USB storage devices.
- 3.- Connection port of SD memory cards.
- 4.- **MODE**: Allows you to select between different audio sources: USB storage device, SD memory card, Line input or Bluetooth receiver.
- 5.- **⏮**: Play the previous song.
- 6.- **⏸**: Start and pause in playback.
- 7.- **⏭**: Play the next song.
- 8.- **🔄**: Set the loop mode of the songs to repeat one or repeat all.
- 9.- **📁**: **Record**: Long press to start recording; short press playback the recording files. Recording function only works when the U-disk is inserted.
- 10.- **TWS**: This controls the TWS (True Wireless Stereo) system, is used to connect two DiamondBoxx together wirelessly in a split stereo pair for an amazing, headphone like stereo experience.

Operation steps:

1. Open two DiamondBoxx PA15, switch their mode both to Bluetooth mode, two speaker Bluetooth icon will flash;
2. Set one of them as the main speaker, press TWS button on the rear control panel (when two speaker successfully connected, there will have prompt voice, and the slave speaker will stop flashing after connected);
3. Open the Bluetooth function of your phone, search and connect with "PA 15" speaker (only one speaker Bluetooth device will appear on your mobile phone Bluetooth search page, when Bluetooth successfully connected then main speaker Bluetooth icon will stop flashing), TWS function will be implemented.

- 11.- **VOLUME**: General volume control.
- 12.- **TREBLE**: Adjust the treble of the music.
- 13.- **MIC PRI**: Enable or disable the microphone priority function. When it is in the ON position, the rest of the inputs will be attenuated automatically when a signal is detected in the wireless microphone or the mic input.
- 14.- **BASS**: Adjust the bass of the music.
- 15.- **GT. VOL**: Volume control for the guitar input.
- 16.- **GT. IN**: Input for guitar connection, connector jack 1/4"
- 17.- **MIC VOL**: Volume control for the handheld microphone.
- 18.- **M. TRE**: Adjust the treble of the microphone.
- 19.- **MIC IN**: Microphone level input, 1/4" jack connector.
- 20.- **M. BASS**: Adjust the bass of the microphone.
- 21.- **ECHO**: Decrease or enhance the echo effect.
- 22.- **REPEAT**: Adjust the effect of the number of microphone delays
- 23.- **DELAY**: Enhance microphone sound delay effect.
- 24.- **AUX INPUT**: Line level auxiliary input, 2 x RCA connector, can convert RCA to 3.5mm jack by audio convert cable.
- OUTPUT**: Line level output, 2 x RCA connector, can convert RCA to 3.5mm jack by audio convert cable.
- 25.- **CHAR**: The indicator will glow when the speaker is charging.
- 26.- **LOW**: This indicator will glow when the battery level is low. Please charge the speaker immediately.
- 27.- **POWER**: On/Off switch of the portable amplifier.
- 28.- **AC 110V**: Power input for the 110V/60Hz power supply.

Product Specifications

- Type:** Active portable speaker
Speaker Size: 30 x 16.5 x 15.5 inches
Material of Speaker: Wooden case + Steel grille
HF unit: Horn tweeter 80 mm magnet
MF unit: 6.5" midrange driver
LF unit: 15" woofer
Frequency Response: 40Hz - 20kHz
RMS Power: 250W
Built-in Battery: 12V/20Ah lead-acid battery
Play Time on Full Charge: 5-40 hours
Battery Life: Over 2,000 recharge cycles
Audio input: Bluetooth, USB, SD card, Aux in (RCA or 3.5mm stereo), Microphone input 2, Guitar input
Features: Support TWS function, Aux output, 10 knobs sound adjustment, microphone priority, etc.
Power Supply: 110V/60Hz

Troubleshooting Guide

Malfunction	Reason	Solution
No electricity	The power is off The battery runs out	Turn on the power Charge the battery or use external AC power supply
No sound	No audio input The signal cable is not connected The main volume was turned to minimum No songs in USB drive External signal source is wrong Poor contact or the signal line is broken	Change signal source Make sure input is plugged in properly Make sure USB drive contains music Make sure volume is turned up via remote
No sound in wired mic	The microphone line do not insert the port completely The MIC.VOL is off	Turn on microphone Turn MIC VOL up Check correct cable is used 1/4" mono
wireless mic not working	No batteries in microphone The sound of microphone was distorted	Open the wireless mic Install batteries into microphone Change batteries

