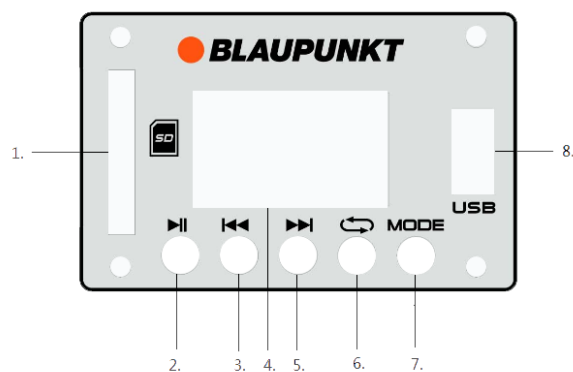**Owner's manual**

Model: PA/MB series

Professional Audio System

Many thanks to buy our model, please read and reference this manual carefully before operate the unit. Please keep the manual for future operation reference.
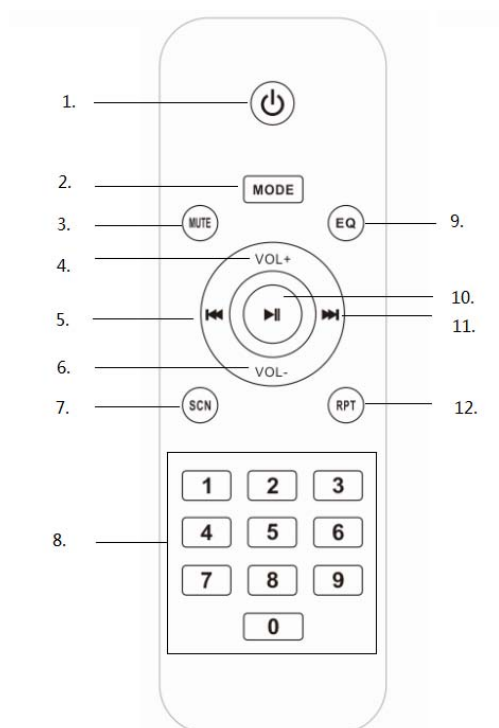
Important: Due to this is a universal manual for our PA and MB series model. Your ordered model(depend on model) may not include all functions on this manual, so you can choose and reference the relative content for the function operation correspond to your ordered model.

Control panel

1- SD card slot;
2- Play/pause button;
3- Previous button;
4- Display;
5- Next button;
6- Repeat button;
7- Mode button;
8- USB port;

Remote control

1- Power button;
2- Mode button;
3- Mute button;
4- Volume increase button;
5- Previous button;
6- Volume decrease button;
7- Radio station scanning button;
8- Digits button;
9- EQ button(Normal ,Rock, POP, Classic, Jazz, News);
10- Play/pause button;
11- Next button;
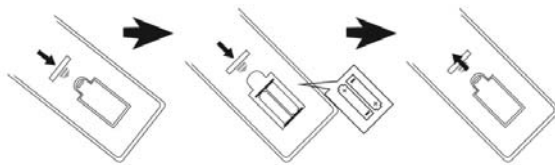12- Repeat button(repeat one/random/repeat all)

Power connection

Please check if the power source is correspond to the rating voltage spec which locates on the panel of unit. If it does not matching, please consult to your dealer or service center.
Insert the female terminal of power cord into the AC outlet, and then connect the power plug with the wall-mount socket in order to get the power source. Then switch on the main power button to turn on the display screen which means the power connection is succeed now.

Remote control battery installation

Open up the battery door and insert 2 x AAA dry battery into the compartment; please make sure the polarity of battery will aim and correspond to the positive and negative silkscreen-printed symbol in the compartment. Then close the battery door.

Notes:
a. The best working distance of remote control is within 5 meters without any obstacle in between. Please aim to the remote control sensor locates on the front of unit during operation.
b. The sensitivity of remote control will become weak when the battery power exhausted. Please replace it with fresh one for operation.
c. Please take out the battery in case of none-operation in a long time.
d. Please dispose the battery in an environment friendly way. Please reference the local government requirement for the detail.

General operation

1. **Power on/off:** switch the main power button on the panel can turn on or off the unit; you also can get standby on/off by press power button from remote control.
2. **Play source selection:** press the MODE button on the control panel or remote control can switch the play source between FM/Bluetooth/Line in/USB/SD in cycle.
3. **Volume adjustment:** Turn the main volume knob on the panel can increase or decrease the main output volume level. You can also adjust the volume in small step by press the VOL +/- button from remote control, but the remote control adjusted max volume level is limited by main volume setting level.
4. **Treble & bass adjustment:** Turn the treble/bass knob on the panel can adjust the output sound level.

5. **Sound silence:** press the MUTE from remote control can make the sound in silence; press it again to resume the sound output.

6. **Preset EQ:** Press the EQ button from remote control can switch the EQ between Normal ,Rock, POP, Classic, Jazz, News.(Function only available in USB/SD and Bluetooth mode)

7. **Play/pause:** press the button to pause the music, and press it again to resume the playback in Bluetooth/USB/SD mode.

8. **Repeat:** press the button to switch the music playback in repeat one/random/repeat all mode.

9. **Power and overload:** The power LED indicator will light on when the power connection is successful. The clip red color LED will flare in case of overload and detected. This occurs is in order to protect your speaker. Please reduce the volume level in order to prevent serious damage to speaker. (Power clip indicator only available in PA series)

FM radio operation

Before start the FM radio listening, please try to move the unit next to the window or other location in order to better FM reception. The unit was built-in an internal FM antenna.

1. **Auto scan and preset radio station (All-in-one):** short press the play/pause button on control panel, or press the scan button from remote control to auto scan and save the available radio station. The unit will auto play the first preset station after finished scanning. (max preset station: 99)

2. **Preset station picking up:** in radio mode, press the NEXT/PREVIOUS button on control panel or remote control to pick up and play the last and next preset station; or key-in the relative preset station number by digits button on remote control to fast pick up the station.

3. **Auto tune and fast go-to a specific FM station:**

3-1. Press and hold the NEXT/PREVIOUS button in few seconds on control panel or remote control to auto tune the available station in up or downward frequency. The unit will stop and auto-play the available station.

3-2. key-in the relative frequency number by digit button from remote control to skip and play the specific defined FM station. For example, you want to listen the FM station frequency at: 89.8MHz; then key-in 8-9-8 from remote control; and the unit will jump and play the station at 89.80MHz frequency accordingly.

USB/SD playback operation

The product includes USB/SD playback function which can decode and playback the music from a USB/SD storage device. Before start the operation, please copy the MP3 format music into the device; and insert the device into the unit first, because the USB/SD mode is only available when the device was plugged on unit successfully. Then the unit will detect and play the inside MP3 music automatically.

1. **Track selection:** short press the NEXT/PREVIOUS button to select previous and next track; press and hold the button for fast-forwarding and rewinding the playing music. Press the digits button from remote control can fast pick up the relative track.
2. In USB mode, you can achieve the play/pause, mute, repeat, EQ, treble/bass function etc. Please reference the operation from the general operation part on this manual.

Notes:
a. Connect the USB stick by a USB extension cable for playback is not recommended which may produce noise or intermittent sound due to audio data loss during transfer.
b. Decode and playback all MP3 format music is not guaranteed.
c. The max supported storage device is 32GB.
d. Some different device and brand may take a little long time to playback; please kindly note this is not mal-function.

Bluetooth operation
This product includes Bluetooth function which can wireless playback the music from other Bluetooth device (like smart phone, tablet etc).
1. Press the MODE button repeatedly to enter Bluetooth mode, a notice sound will come out from speaker which means the unit is ready to pair.
2. Enable the Bluetooth function on your device, and search the available device (please reference the device manual for operation), then check the available Bluetooth device on the list. Select " BP (PA/MB series model name)" for pairing.
3. Another notice sound will come out from the speaker after the Bluetooth pairing successfully.
4. Select and play the music from your Bluetooth device, then the sound will come out from the speaker
5. Press the previous/next button can select last and next track during playing.
6. In Bluetooth mode, you can achieve play/pause, mute, EQ, treble and bass adjustment etc. function. Please reference the operation from the general operation part on this manual.
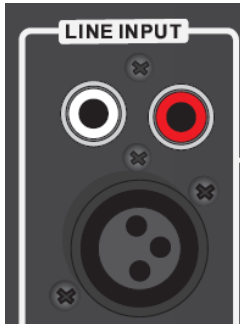
Notices:
a. All Bluetooth devices are not guaranteed for pairing successfully due to different design and brand.
b. The best working distance of Bluetooth is within 10 meters without any obstacle in between.
c. The unit only can pair and work with one Bluetooth device in one time.
d. In case of an incoming phone call during Bluetooth playback; the music will stop temporary, and resume to playback after end the phone call.
e. Please quit the current Bluetooth pairing before pair with other device, otherwise our model pairing name will not show on the device list.

Line in/AUX IN/MP3 link operation
In order to wire connection and playback the music with other player or amplifier, please follow up below operation.

1. Using the correct audio cable connect the AUX IN jack (RCA or Cannon type) on the panel of unit, and the another terminal connect with line-out jack of outsourcing player like MP3, CD,DVD, Mixer etc audio device.(Only model PA25 includes Cannon type connector)

2. Select the music and play on the outsourcing player, then the sound will output from the speaker.
3. In line-in playback mode, the main control is on the outsourcing player side. But you also can control the volume, mute the sound and adjust treble & bass on the speaker system.

Line out/Audio out

Using the correct audio cable connects with the line out jack (RCA or Cannon type) on the panel of the unit, and another terminal connect with AUX IN jack on other active speaker device. Then the sound will output both on the speaker and other speaker device. Please kindly note the main control is on our speaker side during line out playback mode. (This function only available in PA series)

Karaoke

The unit includes microphone function which allow you to sing a song at home or music party. Connect a microphone into the microphone input jack through 6.5cm plug or Cannon type plug (our model includes a 6.5cm wired microphone), and adjust the microphone output level properly by turn the volume control knob. Then you can start to sing.

Tips:
a. When you are using the microphone for Karaoke function, you can adjust the treble/ bass/echo/delay setting by turns the relative knobs.
b. There may have a big noise come out from speaker when you adjust volume/treble/bass/echo to high level due to overloading and distortion on microphone. This is not mal-function. So please turn and increase these settings slowly, and turn it back or turn off microphone for retrying in case of such big noise faced.
c. There have microphone priority function in our model. If you select it, the karaoke voice will output from speaker in priority (without background music); and resume to background music output automatically after you singing finished.

d. You can use the karaoke function and listen the music at same time; in case that you need increase the Karaoke volume and decrease the background music, you can try to adjust the separate microphone volume and main volume knob.(Special to our model PA25, that you need increase or decrease the background music individually by adjust the LEVEL knob which locates next to the Line-in jack).

e. Please turn off the microphone when you put it next to speaker, otherwise there will cause huge noise.

Battery power and charging

Our model has built-in rechargeable battery which can playback the music in outdoor without AC power connection. The unit will start to charge once the AC power connection is ready. The charging LED will in red color during charging, and turn to green color in case of fully charged. In case of low battery power, the output music will be abnormal or big distortion. Please arrange re-charge for playing. (Model PA25 has not built-in battery)

There also provide a DC 12V battery in connection jack which can connect and play with other external DC 12V battery power source directly.

Note:

Your battery lifetime will last longer if you follow up below simple guidelines for charging and storing.

a. For charging first few times, please charge the battery fully.

b. Recharge and store the unit within the temperature range of 5°C~35°C (40°F~95°F).

c. Do not charge longer than 24 hours. Excessive charging or discharging may shorten the battery's life.

d. Battery life naturally shortens slowly over time using.

e. The speaker can play music during charging. Please turn off the speaker and remove power plug if long time not to use.

f. Due to prolong charging and discharging, the unit battery life will be affected and playback time will also be shortened. We cannot guarantee the same playback consistently throughout and this is not include in our warranty and service.

g. Charging time: approximately 5~9 hours; music playback time: 3.5 hours around.

Placement

The speaker has been designed for placing on ground, table or speaker tripod (only available in small size model under PA series, tripod not include). Please avoid placing the unit in the corner of room or facing to a wall which may cause sound distortion due to low frequency increment.

Trouble shooting

1. The speaker cannot turn on.

a. Please check if the power connection is correct, and main power switch is on.

b. Please arrange re-charge in case of lower battery power.

2. No sound output.

a. check if the play source is corrected, also the connection status on audio cable.

b. Please try to adjust the volume knob.

3. Sound distortion.

a. Please try to adjust and play the music at a lower volume level.

b. Check the status of treble/bass setting.

4. Background noise on FM station.

a. try to move the unit in other place for better reception.

b. scan and switch to other station for listening.

Specification

Power source: AC 110-240V, 50/60 Hz.

FM frequency: 87.5-108.0 MHz.

USB rating: 5V, 200mA, 2.0 versions, supported up to 32GB storage device.

Bluetooth: V2.1+EDR, within 10 meters for operation.

RMS output power: 35W for model PA10.

38W for model PA12.

42W for model PA15.

160W for model PA25.

35W for model MB06.

36W for model MB10.

Treble & bass adjustment: -12dB~+12dB.

Built-in rechargeable lead-acid battery: Model PA10/12/15, MB06/10.

Power consumption: 50W (160W for Model: PA25).

Standby power consumption: <1W.

(The above spec may update without priority notice.)

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 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.

To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should
be maintained between the antenna of this device and persons during device operation.
To ensure compliance, operations at closer than this distance is not recommended.