



User Manual

100V 6 ZONES MIXER AMPLIFIER
BP-PA-AMP250W-6Z



Enjoy it.

About the Manual

This User Manual is available and effective upon completion of development of the PA Amplifier with Bluetooth, Pre-amplifier and Zones. The User Manual includes product description, matters needing attentions in use, instructions on system connection and technical specifications of the terminal. Please read this User Manual carefully before connection, installation and use and operate in accordance with corresponding instructions in the Manual.



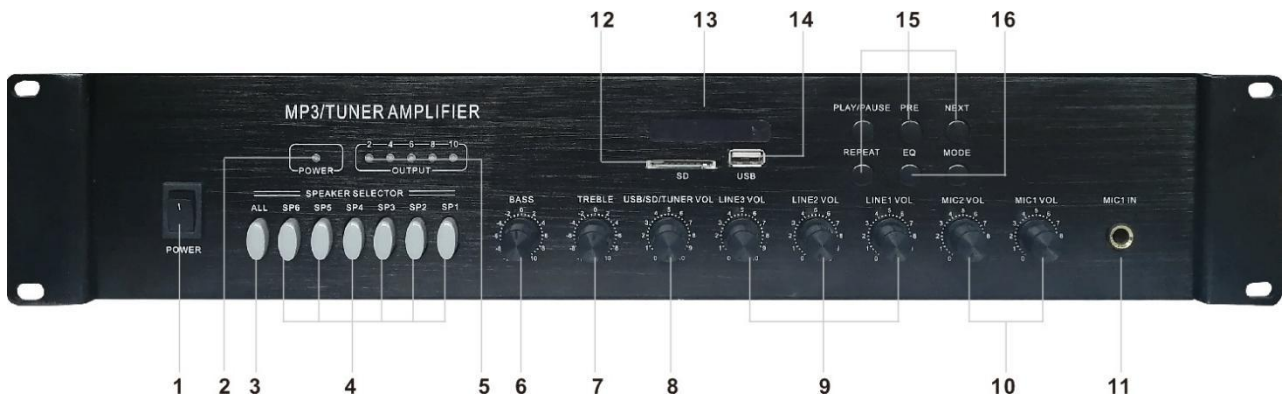
This symbol on the rear panel indicates matters needing attentions, please use or operate the product in accordance with corresponding instructions.

Please keep this User Manual in good custody for future use.

Features

- IntegrateMP3 player, FM tuner, Bluetooth, 6-zone selector, preamplifier and power amplifier.
- Control **MP3/TUNER/Bluetooth** with the remote controller, which includes mode switching, program selection, volume adjustment, repeat mode,and **EQ** mode.
- **LED** display can indicate volume, host status, program number, etc.
- 2 MIC inputs, 3 AUX inputs, and 1 AUX output for public address.
- **4 Ω** rated output.
- With **6-zone** selector.
- With mute function for priority input.
- Treble and Bass control.
- 5-unit **LED** level meters for monitoring working status.
- Output short circuit protection and alarm.

Front Panel



- | | |
|---|---|
| <ul style="list-style-type: none"> 1. POWER 2. POWER LED 3. All Zones ON 4. 6-zone Switch Button 5. LEVEL LEDs 6. BASS 7. TREBLE | <ul style="list-style-type: none"> 8. MP3/TUNER/BLUETOOTH VOL. 9. LINE VOL. 10. MIC VOL. 11. MIC1 IN (Priority) 14. USB 15. MP3/TUNER/BLUETOOTH Play Control 16. EQ. Audio Source Selection Button |
|---|---|

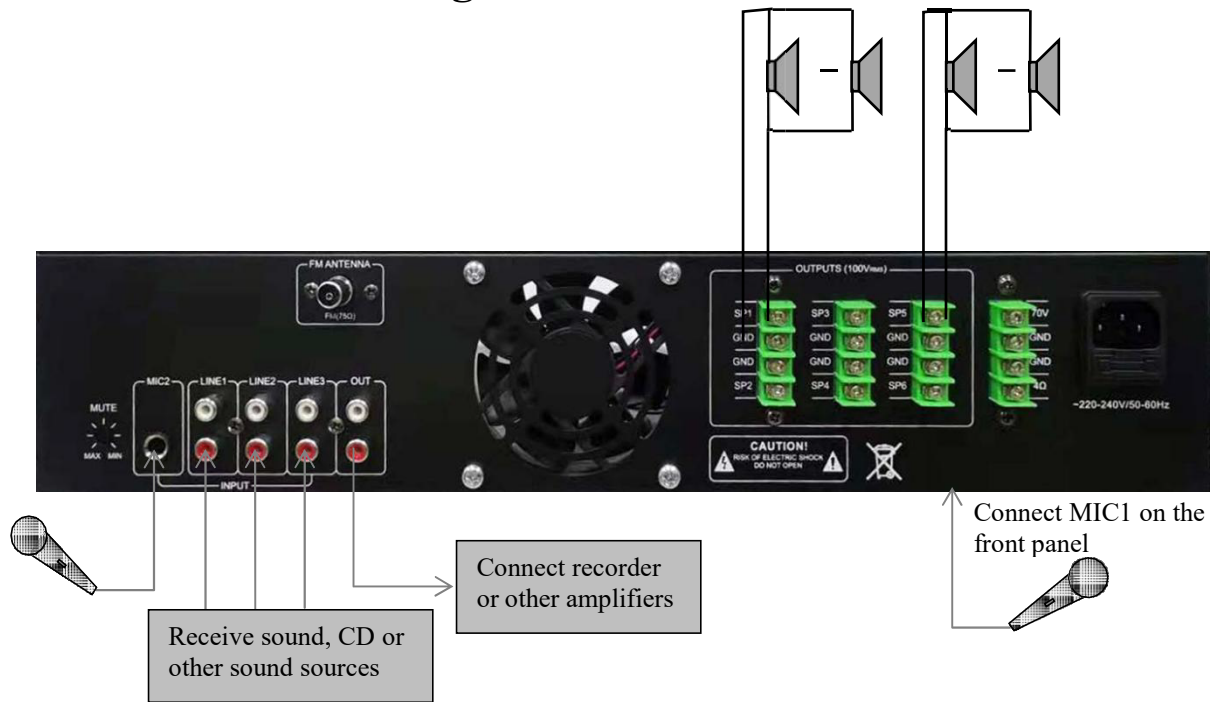
Note: It indicates there is an overload and distortion when the first 4 LEDs are on. In this case, please adjust related volume knobs to make the 3th or 4th LEDs flash.

Rear Panel



- | | |
|---|---|
| <ul style="list-style-type: none"> 1. MUTE 2. MIC2 IN 3. AUX1, AUX2, and AUX3 IN 4. AUX OUT (To another amplifier) 5. Fan Port 6. 4Ω Output | <ul style="list-style-type: none"> 7. Fuse 8. FM Antenna 9. 100V Zone Output 10. 70V Output 11. Power Cord |
|---|---|

System Connection Diagram



Note: The ON/OFF of the zone is realized by the zone button on the panel.

Instructions on Remote Controller

1. On/Off button.
2. Mute button. Press the button, the current program will be muted and the LED will flash.
3. Stop button.
4. MODE: MP3, Tuner, and Bluetooth.
5. RPT button. In the MP3 mode, press it for single cycle or list cycle.
6. EQ sound effect. In the MP3 mode, press it to select sound effects, including classical, jazz, rock, bass and pop.
7. Previous song, and back button for radio channel.
8. Play/Pause, Auto Search for radio channel.
9. Next song, and forward button for radio channel.
10. VOL-: Turn down the volume.
11. VOL+: Turn up the volume.
12. 0-9 numerical buttons. Select the MP3 playback serial number or store the searched radio program by number.



Operating Instructions on MP3

In order to play the program, please press “MP3/TUNE/BLUE” button or the “Mode” button on the remote controller (please refer to the Instructions on Remote Controller) for switching.

1. To Play MP3 Program

1) Start to Play: Switch to the MP3 play by the above means (No such operation if it is playing MP3 programs.), insert the USB storing MP3 programs into the USB interface, and then the machine will play automatically. Use the button 15 on the panel of machine or the remote controller (Please refer to Instructions on Remote Controller.) to select the track to be played, and press the button 15 to control the pause.

2) Repeat Mode: In the MP3 mode, the user can use the remote controller to select the repeat mode of the program with the options of repeat one and repeat all. Press the “RPT” button once, and the LED will display “ONE” indicating the repeated playing of the current played track; press the “RPT” button again, and the LED will display “ALL” indicating the repeated playing of all the tracks in the USB.

3) EQ Mode: The machine has five EQ modes, including Classical, Jazz, Rock, Bass and Pop modes. It is allowed to select modes through the “EQ” button on the remote controller. Press the “EQ” button, the LED will display any of “Eq0” to “Eq4”. Press the “EQ” button continuously, five modes such as “Eq0\Eq1\Eq2\Eq3\Eq4” will appear in order, among which the user can select as required.

4) USB/SD: The MP3 player of the machine can play the program from the USB interface, or that from the SD interface, but it will select the program on the last inserted memory for playing. For example, if it is playing the program from the USB interface now, and a SD card is inserted into the machine, it will play the MP3 program automatically from the SD card.

2. To Play Radio Channel Program of Tuner

Switch to the “TUNE” play mode by the above means, and then start to play the radio program.

1) Search Channel: Before playing the radio program, the user shall first search the radio channel. For this machine, there are two operating methods for searching channel.

a. Search the radio channel with the MP3 song selection buttons “◀▶” on the remote controller. Press the song selection button once, the radio frequency will increase or decrease by 0.1MHz. Press the button continuously to enable the frequency to increase or decrease to a certain channel. By such method, the searched channels will not be stored by number. However, as the machine itself has the memory function, the channel played upon the shutdown will be played automatically upon the next start-up.

b. Search automatically from low-frequency stage to high-frequency stage with the “▶” button on the machine panel or the “USB/SD” button on the remote controller. By such method, the searched channels will be stored by number in turns starting from 1, so as to facilitate direct calling of the channel.

2) Call Channel: It is allowed to directly call and play the channels searched and stored by automatic search. The user can use the buttons “◀▶” on the machine panel to select forward and backward the memorizing number to call the channel for play or the button “▶” , “EQ” or the numeric buttons from “0-9” on the remote controller to select the memorizing number to call the channel for play.

3. To Play the Bluetooth Program

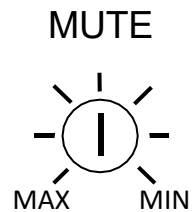
Switch to the “BLUE” play mode by the above means. Please turn on the Bluetooth of the mobile phone, search for the Bluetooth device, and find the device name of “DSPXX” for successful matching and playing audio sources from the phone.

Note:

In the event that the machine is not inserted with a **USB** prior to start-up, it will automatically enter the **AUX** mode upon start-up. At this moment, if it is inserted with a **USB**, it will automatically switch to the **MP3** mode. In the event that the machine is inserted with a **USB** prior to start-up, it will automatically enter the **USB** mode and play the audio files in the **USB**.

Mute Function

MIC1 is an input jack with the highest priority, the signal input from which will override the signal input from other ports. The level of mute can be adjusted within the range from MAX to MIN by the mute controller “MUTE” on the rear panel of the machine. It is preset at the “MAX” when leaving the factory.



Installation Precautions

1. Do not block vents.
2. Do not use this unit if the electrical power cord is frayed or broken.
3. The amplifier should not be placed in any of the following areas:
 - 1)with poor ventilation;
 - 2)with high humidity or heavy dust;
 - 3)exposed to direct sunlight;
 - 4)with high ambient temperature or adjacent to heat-generating equipment;
 - 5)susceptible to vibration.
4. Always operate the unit with the safety ground.
5. Make sure the power outlet conforms to the plug of the unit.
6. If an alarm rings after the power has been on and the signal has been input, there must be an short-circuited output line. In such case, please cut the power off immediately. Do not power on until the fault has been removed.

Packing List

No.	List	Quantity
1	PA Amplifier with MP3, SD and Bluetooth	1 set
2	Warranty Card	1 copy
3	Certificate	1 copy
4	Plastic Washer	4 pieces
5	White 5×19 Whole Machine Fixing Screw	4 pieces
6	1500MM/Audio Cable	1 piece
7	FM Antenna	1 piece
8	MP3/FM Module Remote Controller	1 piece
9	Power Line	1 piece

Specification

Model: BP-PA-AMP250W-6Z	
Rated output power	250W
Load regulation	From full load to no load, ≤3dB
Input sensitivity	MIC: 50mV-60mV (Unbalanced) LINE: 330mV-350mV (Unbalanced)
Frequency response	80Hz-16kHz (±3dB)
THD	≤5% (1kHz, under normal working condition)
SNR	LINE: ≥70dB
Tone adjustment	BASS: ±10dB±2dB (100Hz) TREBLE: ±10dB±2dB (10kHz)
Protection function	DC, overload, and short circuit
Mute function	MIC1 IN will override other inputs
Power supply	AC220-240V/50-60Hz
Power Consumption	350W
Machine dimension (mm)	(L × W × H) 485 × 330 × 88

CAUTION

- When the power switch is “OFF”, the machine is not completely disconnected from the power grid. For the sake of safety, please pull the power cord plug out of the socket when not using the equipment.
- The equipment shall not be subject to water drops or splashes and objects such as vases filled with water shall not be placed on the equipment.
- To reduce the risk of electric shock, do not remove the cover. If necessary, please ask professional personnel to repair.
- The symbol ⚡ on the rear panel indicates hazardous live. The connection of these terminals must be operated by the instructed person.
- The equipment is connected to the power grid through the power cord plug. In case of equipment failure or danger, the connection between the unit and the power grid can be disconnected by pulling out the power cord plug. Therefore, it is required to place the power socket where the power cord can be plugged and unplugged conveniently.

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