

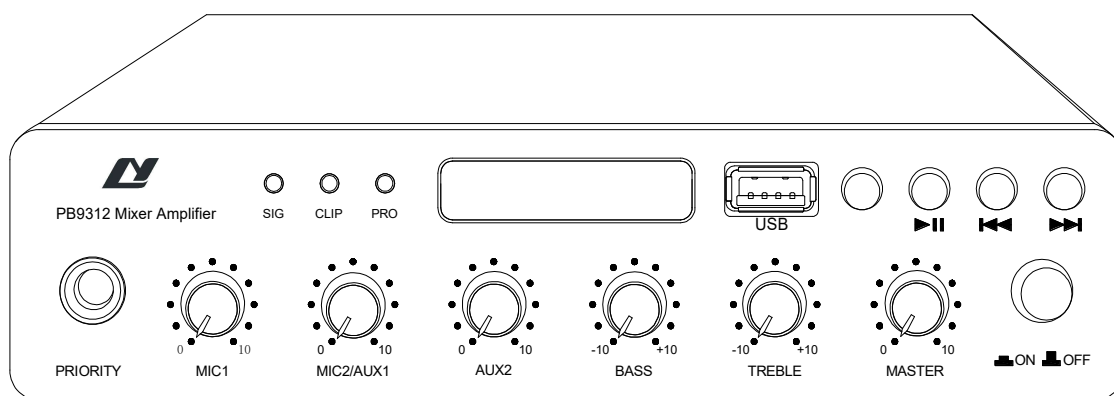


Public Address System

Digital Mixer Amplifier

PB-9306

PB-9312



Operation Instructions

Welcome to use our public address system. For the better use of this product, please read this instruction carefully prior to use.

About this User Manual

This User Manual is available and effective upon completion of development of the mixer amplifier PB9306/PB 9312. The User Manual includes system description, matters needing attentions in use, instructions on system connection, instructions on use of product and technical specifications of the network address center. 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.

Content

1. PRODUCT DESCRIPTION.....	错误!未定义书签。
1.1 FEATURES	1
2. APPEARANCE DESCRIPTION	1
2.1 Front panel.....	1
2.2 rear panel	3
2.3 SIDE PANEL.....	-4 -
3. WORKING MODE	4
3.1Bluetooth mode	错误!未定义书签。
3.2 USBmode	错误!未定义书签。
3.3 Line mode.....	错误!未定义书签。
4. REMOTE CONTROL INSTRUCTIONS	5
PACKING LIST	-7-
PERFORMANCE	-7-

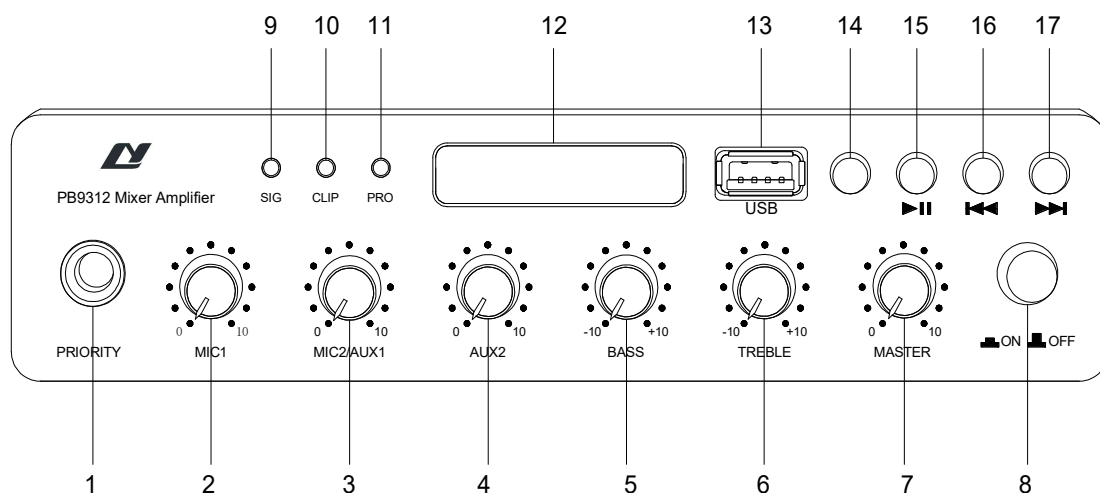
1. Product Description

1.1 Features

- With Bluetooth & MP3 & Line mode
- Wireless Bluetooth playing function
- With Signal level indicator (SIG), Clip Indicator (CLIP), and Protection indicator (PRO)
- Built-in 100V RMS priority input and EMC input
- Two MIC inputs, one with phantom input and one with priority input.
- Three-way line input, one way is for connecting lotus socket interface, one way for connecting the XLR interface, one way for connecting 2P terminal interface;
- Two way output: one is 100V output , another AUX output.
- There are three levels of priority. “PRIORITY IN ” on the rear panel is the first level; PRIORITY MIC1 is the second level; others are the third level.
- Protection from short-circuit, overload and high temp and temperature-controlling fan.
- There is master volume control; Microphone can line can be controlled separately; treble and bass control .
- Remote control
- 24V mode of power supply. When 24V power supply is connected, when AC powers off, the equipment will switch to 24V mode of power supply.

2. Appearance Description

2.1 Front panel



1. Mic 1 second level priority input**2. MIC1 volume adjustment**

Adjust the volume of **MIC1**, turn clockwise to turn up, turn counter clockwise to turn down.

3. MIC2/AUX1 volume adjustment

Adjust the volume of **MIC2/AUX1**, turn clockwise to turn up, turn counter clockwise to turn down.

4. AUX2 volume adjustment

Adjust the volume of **AUX2**, turn clockwise to turn up, turn counter clockwise to turn down.

5. Bass volume adjustment

The central position as the benchmark, turn counter clockwise to turn down the bass, turn clockwise to turn up the bass

6. Treble volume adjustment

The central position as the benchmark, turn counter clockwise to turn down the treble, turn clockwise to turn up the treble

7. Master volume adjustment

Adjust the level of all signals (except EMC), turn clockwise to turn up the volume, turn counter clockwise to turn down the volume.

8. Power switch

Press “ON” to turn on the power, press “OFF” to close the power

9. Signal level indicator (SIG)**10. Clip Indicator (CLIP)****11. Protection indicator (PRO)****12. Digital display**

It is for displaying the mode.

13. USB interface

Insert flash drive here and provide music for MP3.

14. Mode switcher

Bluetooth mode (BLUE), U-disk MP3 mode, line input mode (LINE) mode can be switched

15. Play/Pause

In mode of MP3 or Bluetooth playing, press it and it will pause. In mode of on-line input, press it and it will mute.

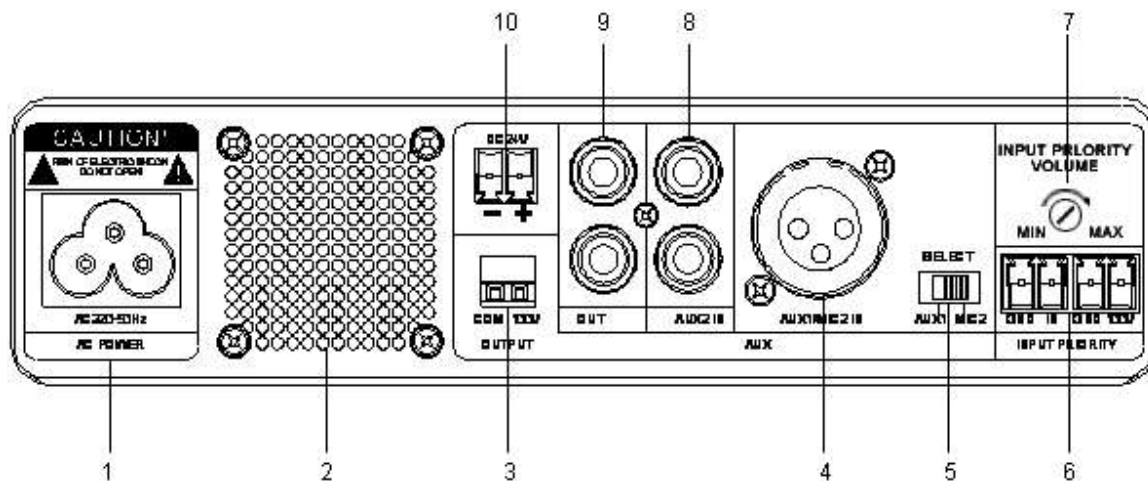
16. Last song

In U-disk and Bluetooth mode, press this key to switch to the “last song” and long press this key to turn down the volume

17. Next song

In U-disk and Bluetooth mode, press this key to switch to the “next song” and long press this key to turn down the volume

2.2 Rear panel



1. AC220V Power input socket

The interface is to supply the working power. Insert the plug onto the machine, then connect the power grid.

2. Cooling fan window

3. Speaker output interface

4. LINE1 /MIC2 IN balanced input interface

It can connect with microphone or other external audio

5. LINE1/PP/MIC2 switcher

LINE1/PP/MIC2 audio selection switcher, it can choose AUX1 or MIC2 or phantom power for MIC2 (PP switch) by sliding to right or left. (Note: when PP is on, only phantom power driven microphone can be connected. Please don't connect any other signal source)

6. Input port for the line with the highest level of priority out of two lines

7. Volume adjustment for the line with the highest level of priority

8. AUX2 input interface

9. 1VRMS AUX output

10. DC24V input interface

3. Working mode

With 3 mode:USB mode, Bluetooth mode, Line mode

3.1 Bluetooth mode

Press MODE to display “BLUE” on the digital screen, the “BLUE” will always flash until device and mobile phone pairing success, the name is “Bluetooth”. After finishing the pairing, the user can play music on the mobile phone. It has excellent wireless transmission function,.

3.2 USB mode

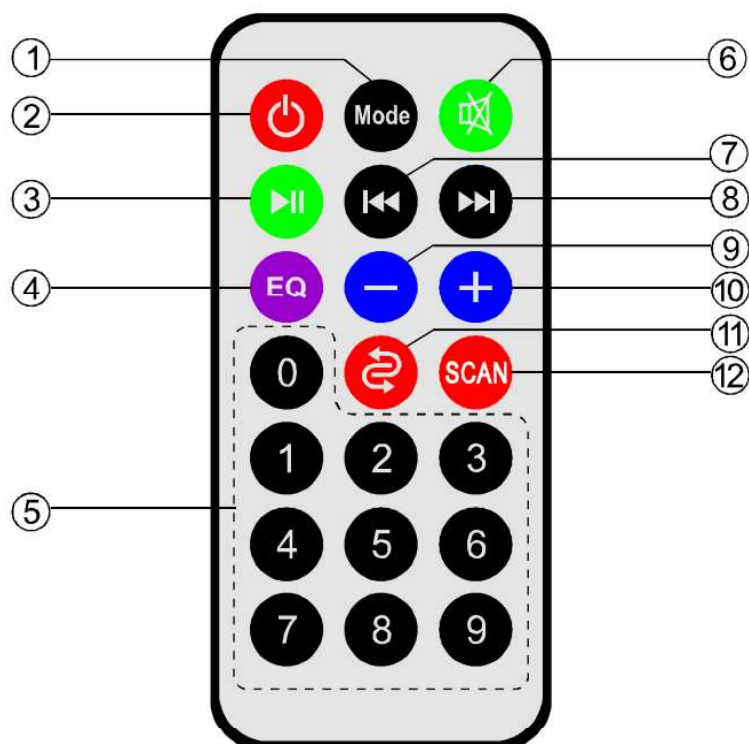
When the USB is inserted, it will switch to USB mode automatically (plug and play). The equipment will play MP3 music in the flash drive.

3.3 Line mode

The system

The system default line mode and digital displays AUX without flash drive or Bluetooth connection.

4. Remote control instructions



Function key description:

- ① Mode main function key, working mode switch.
- ② Power switch
- ③ Play & Pause/ (Search the audio automatically when in FM)
- ④ EQ sound effect
- ⑤ 0-9 song selection key, can be composed of digital channel selection when in FM
- ⑥ Mute key
- ⑦ Last song/ (Last audio when in FM)
- ⑧ Next song/ (Next audio when in FM)
- ⑨ Vol -
- ⑩ Vol +
- ⑪ Single repeat
- ⑫ Record key

Safety Precautions

1. Safety Precautions

- Please do NOT connect this device to the power source, before the system is correctly wired.
- It is important to ensure that input voltage to the device is the same as required voltage of the device; otherwise the device may be damaged.
- There is dangerous voltage in the device, which may cause personal electric shock. Please do NOT open the case without permission, to avoid potential risks of electric shock.
- The device is not completely disconnected from power source when it is switched "OFF". For sake of safety, please disconnect the device from the socket if it is not in use.
- Please do NOT place the device where it is extremely cold or hot.
- Good ventilation must be provided in the working environment of the device, to avoid excessive temperature during its operation, which may cause damages to the device.
- Please unplug the device from power socket in raining and wet days or if the device is not in use for a long time.
- Please disconnect the power plug from sockets, to ensure the device has been completely disconnected from power source, before any component is removed from or re-installed in the device or before any electric connector of the device is disconnected or reconnected.
- In case of any failure of the device, please do NOT open the case and repair without permission from a professional personnel, to avoid accident or additional damages to the device.
- Please do NOT place any corrosive chemicals near or on the device.

2. Matters needing attention

- Our company provides a three-year free warranty service (including free replacement parts) over quality issues as from the date of purchase, provided that the device is installed and used in accordance with requirements specified in the User Manual.
- For warranty, the user must show the Warranty Card and the receipt kept by the user and purchase invoice of the device as supporting documents.
- The following conditions are beyond the scope of warranty:
 - (1) Product damage due to improper installation, use or handling;
 - (2) Product damage due to abnormal conditions (such as excessive power source voltage or ambient humidity);
 - (3) Product damage due to acts of God;
 - (4) Product SN is changed, altered or removed;
 - (5) Product has been repaired or modified by any person without duly authorization from our company;
- Please keep the User Manual and Warranty Card in good custody.
- For issues and precautions not mentioned in this User Manual, if required, please contact the distributor or visit our website.
- In case of any failure in the warranty period, please contact service personnel (or distributor) of our company for service. The company shall not be made liable for damages due to unauthorized dis-assembly or maintenance or service by unauthorized personnel.

Packing list

No.	List	Quantity
1	PB9312D or PB9306D	1
2	Manual	1
3	Guarantee card	1
4	Certificate	1
5	1.8 mter power wire	1
6	Remote control	1
7	2P plug	5
8	1500MM two cat audio wire	1

Specification

Model		PB9312D	PB9306D
Rated Power		120W(Note: Don't connect it with constant pressure speakers whose rated power is higher than 120W)	60W(Note: Don't connect it with constant pressure speakers whose rated power is higher than 60W)
Speaker Output		100V	
Sensitivity	MIC 1 Input Sensitivity	0.005(±0.001) VRMS	
	MIC 2 Input Sensitivity	0.006(±0.001) VRMS	
	LINE1 IN,LINE2 IN, PRIORITY IN	0.3 (±0.02)VRMS	
	PRIORITY IN-100V	100 VRMS	
SNR	100 VRMS	≥74db(Maximum of the volume)	
	LINE2 IN,INPUT PRIORITY	≥80db (Maximum of the volume)	
Frequency Response		80Hz-15kHz (±3dB)	
Distortion		≤0.5% (in normal 1K situation)	
Voltage Operating Range		AC180-250V	AC180-250V,DC24V
Pitch	Bass	±10dB (100Hz)	
	Treble	±10dB (100Hz)	
Equipment Size (W×H×L)		200×190×44mm	
Net Weight		1.5kg	
Gross Weight		2kg	

Technical specifications are subject to change without prior notice.

Caution

- The device is not completely disconnected from power source when it is switched "OFF". For sake of safety, please disconnect the device from the socket if it is not in use.
- Please keep this device off water drops or splash or vase filled with water or any other articles of similar nature.
- Please do NOT remove the cover of the equipment; otherwise you may get an electric shock. Where necessary, repair to the equipment should be conducted by qualified professionals.
- All terminals on the device marked with ⚡ are live and dangerous, and should be connected by trained personnel.
- This is connected to power source via the plug and any failure or danger occurs, the user can disconnect the device from power source by pulling out the plug out from the socket, therefore, it is required that the power socket should be located somewhere with easy access.

Ly International Electronics Co., Ltd.