



CAUTION: Do not open the equipment cover arbitrarily,
so as not to electric shock. Please contact the professionals
to maintain if necessary .



6 ZONE MIER AMPLIFIER

PB-2807Z/PB-2813Z/PB-2826Z/PB-2836Z/PB-2850Z

USER MANUAL

Limited Warranty

We warrant that the hardware products it manufactures will be free from defects in materials and workmanship.

The warranty term, beginning on the date of invoice, is one year for Parts replacement, two years for parts repair and six months on accessories.

This warranty does not cover damage or failure caused by alterations, mishandling, abuse, misuse, neglect, accident or resulting from any cause other than a product defect.

In case of defects in material and workmanship under normal use and conditions, we will replace or repair products covered under this limited warranty that are returned to our facility.

To request warranty service, you must contact our international sales team within the warranty period, ship the products back to us in their original or equivalent packaging (freight prepaid). If we repair or replace a product, its warranty term is not extended.

Disclaimer

Information contained in this manual is subject to change without prior notice and does not represent a commitment on the part of the vendor. We shall not be liable for any loss or damages whatsoever arising from the use of information or any error contained in this manual.

It is recommended that all services and repairs on this product be carried out by us or its authorized dealer.

This product must only be used for the purpose it was intended by the manufacturer and in conjunction with this operating manual.

We cannot accept any liability whatsoever for any loss or damages caused by service, maintenance or repair by unauthorized personnel, or by use other than that intended by the manufacturer.

Thank you for purchasing the 6 Zone Mixer Amplifier Series. Please carefully follow the instructions in this manual to ensure long, trouble-free use of the equipment.

Accessories

AC power cord	1
User manual	1
Audio cable	1
Warranty card	1

Safety Precautions



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION

Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.

- Before installation or use, be sure to carefully read all the instructions in this section for correct and safe operation.
- Be sure to follow all the precautionary instructions in this section, which contain important warnings and/or cautions regarding safety.
- After reading, keep this manual handy for future reference.



Descriptions & Features

The 6 Zone Mixer Amplifier Series features three microphone inputs and two line inputs.

Features three microphone inputs and two line inputs, 60/120/240/350/500 watts of rated amplifier power is available with either 70/100-volt and 4 to 16 ohms (Ω) loads.

Also includes a balanced line level output for adding additional power amplifiers.

The unit also features muting function, that MIC1 overrides MIC2, MIC3, AUX1, AUX2 with 0~30dB attenuation.

And features complete protection is provided for output short circuit, overload, high temperature peak current limiters.

- ※ Standard 19" 2U metal housing with front panel of aluminium alloy.
- ※ Powerful amplifier tubes.
- ※ 3 microphone inputs, 2 AUX inputs and 1 AUX Output.
- ※ 70/100-volt and 4 to 16 ohms(Ω) output loads.
- ※ 6 zone 100V speaker outputs with individual switch and LED indicator.
- ※ Individual volume controller for inputs.
- ※ Master volume controller for all inputs.
- ※ BASS and TREBLE tone controllers.
- ※ Features muting function that MIC1 input overrides others of MIC2, MIC3, AUX1, AUX2 with 0~30dB attenuation.
- ※ Protections of short circuit, overload, high temperature.
- ※ Includes a line level output for adding additional amplifiers.

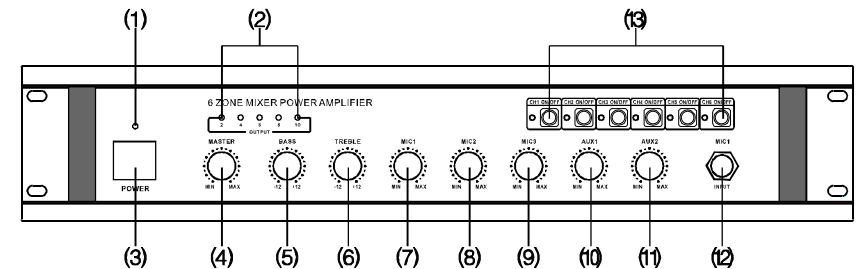
Installation Notes

1. This amplifier is used in PA system, should be located in the good ventilation place, do not lay in the surrounding of high temperature.
2. Do not expose the equipment under the rain or the surrounding with water and other liquid, so as not to cause fire or electric shock.
3. Please use under specified voltage (AC220~240V, 50/60Hz). It may cause fire or electric shock when the voltage value higher than the specified.
4. Do not cut off or change the power cable, so as not to cause damage, additional, do not let the power cable near the heater, also do not lay the heavy object which include the equipment on the cable. so as not to cause fire or electric shock.
5. After finishing speaker connection, please be sure to recover the protection cover in the output port. because it can reach to 100V output voltage in the output port, so do not touch the these ports, so as not to be electric shock. And these ports can not as the power of other equipments.
6. Do not install or lay this equipment on the location of instability, such as shaking or skew of the table, lest equipment falling and causing injury to persons or damage to equipment and property.
7. If the hand is wet, please do not use hand directly to insert or pull out the power plug, it may cause electric shock.
8. If you want to pull out the power plug, be sure to hold the plug, do not hold cable. when the power cable damaged, using this equipment maybe cause fire or electric shock.
9. If you want to move the equipment, please be sure to pull out the plug from the socket.
10. Do not block the ventilation place on the equipment shell, otherwise it may cause internal overheating and fire.
11. Do not install this equipment in the place where has humidity, more dust, direct sunlight, heater, soot, vapor, otherwise it may cause fire and electric shock.

Operation Notes

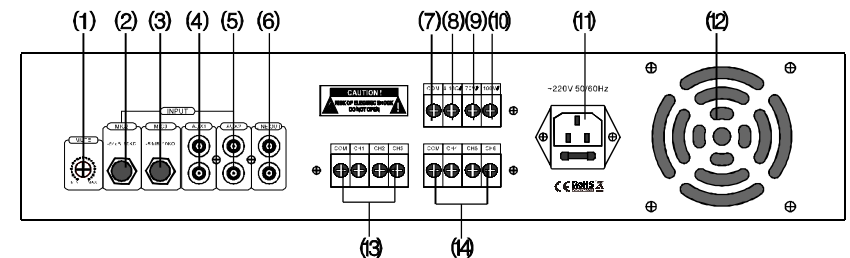
1. This equipment has passed the strict inspection, however, you should turn off the power, pull out the power plug when discover some following anomalies in case, and contact the dealer.
 - A. If smelled smoke and peculiar smell which set out from the equipment.
 - B. If water or any metal immerge or fall into the equipment.
 - C. If the equipment fell or the shell damaged.
 - D. If the power cable damaged.
 - E. If the equipment failed.
 - F. If the equipment distorted badly.
2. This equipment contains high voltage components, please do not arbitrarily open, so as not to cause fire or electric shock, if need to maintain, please contact dealer or professionals to handle
3. Do not lay liquid container or metal on the equipment top, if they fall into the equipment, it may cause fire or electric shock
4. Do not fall metal or flammable object into the ventilation slot, so as not to cause fire or electric shock. Do not touch the power plug when thundering and fulmination, so as not to cause injury of electric shock .
5. Do not lay heavy object on the equipment top, so as to avoid falling or damage, and even cause injury to persons or damage to equipment and property, in addition, heavy object falling itself may cause injury or damage
6. If found voice distortion situation, please do not operate this equipment for long time, this is also a fault alarm message, if use unceasingly ,it may cause overheating and fire.
7. To clean equipment, please contact with the dealer, if the dust accumulated in the equipment for long time, it may cause fire or damage.
8. Lay this equipment on a stable location, and make a appropriate treatment to prevent falling, otherwise it may cause the equipment falling, and cause injury to persons or damage to equipment and property.
9. So as to avoid the inner temperature to rise, the equipment should be 10 centimeter far from the barrier.

Front Panel



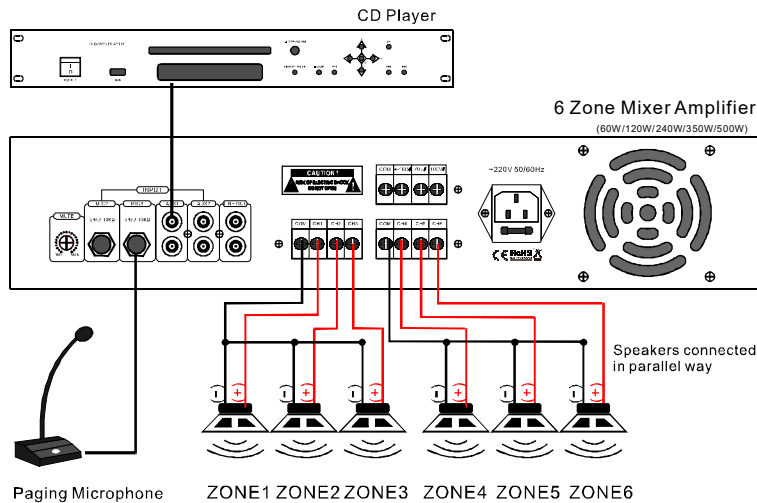
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|--|----------------------|-------------------------|
| (1) Power Indicator | (2) Signal Indicator | (3) Power Switch ON/OFF |
| (4) Master Volume | (5) Bass Control | (6) Treble Control |
| (7) MIC1 Volume | (8) MIC2 Volume | (9) MIC3 Volume |
| (10) AUX1 Volume | (11) AUX2 Volume | (12) MIC1 Input |
| (13) Zone 1-6 selectors and indicators | | |

Rear panel



- | | | |
|--------------------------------|---------------------|--------------------------------|
| (1) Mute Sensitivity Control | (2) MIC2 Input | (3) MIC3 Input |
| (4) AUX1 Input | (5) AUX2 Input | (6) AUX Output |
| (7) COM Terminal | (8) 4-16 Ω Terminal | (9) 70V Terminal |
| (10) 100V Terminal | (11) AC Power Inlet | (12) Ventilation Outlet |
| (13) Zone 1-3 terminals (100V) | | (14) Zone 4-6 terminals (100V) |

Connection Illustration



Important Note:

- 4-16Ω output drives the speakers based on impedances.
- 70V/100V outputs drive the speakers with transformer.
- Do not use both the 4-16 Ω, 70V and 100V terminals at the same time.
- Mute sensitivity control
Adjust the threshold level to activate the MIC1 input priority function.

Safety Notes

1. Be sure to read these notes before using
2. Be sure to comply the most important safety notes of safety symbol and message in the manual content.
3. It has electricity in the output port, please operate this equipment under the guidance of professionals.

Specifications

Model	PB-2807Z	PB-2813Z	PB-2826Z	PB-2836Z	PB2850Z
Rated Power	60W	120W	240W	350W	500W
Output Terminals	Low impedance:4-16 ohms(Ω)				
	60W	Voltage line:70V(70 ohms(Ω)) 100V(143 ohms(Ω))			
	120W	Voltage line:70V(38 ohms(Ω)) 100V(77 ohms(Ω))			
	240W	Voltage line:70V(19 ohms(Ω)) 100V(39 ohms(Ω))			
	350W	Voltage line:70V(14 ohms(Ω)) 100V(28 ohms(Ω))			
	500W	Voltage line:70V(10 ohms(Ω)) 100V(20 ohms(Ω))			
MIC. Input	MIC1/MIC2/MIC3:600 ohms(Ω) 10-15 mV ,unbalanced				
LINE Input	AUX1/AUX2:10k ohms(Ω) 200-470 mV ,unbalanced				
AUX Output	0.775V (0 dB)				
6 Zone Outputs	100V line voltage				
Freq. Response	60 Hz ~ 15k Hz (± 3 dB)				
THD	<0.5% at 1kHz,1/3 of rated power				
S/N	Line:85 dB , MIC:>72 dB				
Tone	BASS:100 Hz (± 10 dB) , TREBLE:12k Hz (± 10 dB)				
Mute Sensitivity	MIC1 overrides MIC2、 MIC3、 AUX1、 AUX2 with 0~30 dB attenuation				
Controls	Volume controls,tone/treble control,mute control,power control				
Cooling Fan	DC 12V FAN				
Indicator	AC: 'POWER' ,level: '2、 4、 6、 8、 10'				
Protection	FUSE×4A	FUSE×4A	FUSE×6A	FUSE×6A	FUSE×8A
	AC FUSEx1,short circuit,overload,high temperature				
Power Cord	(3×0.75 mm ²)×1.5M (standard)				
AC Power	AC220V~240V 50-60Hz optional				
Consumption	95W	185W	350W	485W	675W
Dimension	89(H)×483(W)×366(D) mm				
Packing Size	185(H)×520(W)×435(D) mm				
Net Weight	10.50kg	11.50kg	13.80kg	14.50kg	15.50kg
Gross Weight	11.80kg	13.10kg	15.40kg	15.80kg	17.20kg