



PUBLIC ADDRESS AMPLIFIER

*Communication &
Security Systems*

MIXING AMPLIFIER

MODEL:

PB-3060Z

PB-3120Z

PB-3240Z

PB-3360Z

PB-3480Z

***Warning: Before attempting to connect, operate or adjust the Amplifier,
please read the instruction completely and carefully and save this Manual***

FEATURES:

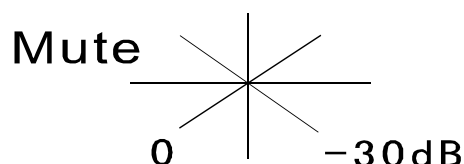
1. 3 Mic Inputs, 2 Aux Inputs and 1 AUX out for Link ;
2. Speaker outputs with Line Transformer 100V, 70V & 80hm;
3. Muting function;
4. Individual Volume control;
5. Low and High Tone control;
6. Led level meter provided for a quick and easy Monitoring of the Sound Level;
7. Short-Circuit protection and Alarm;

PRECAUTIONS:

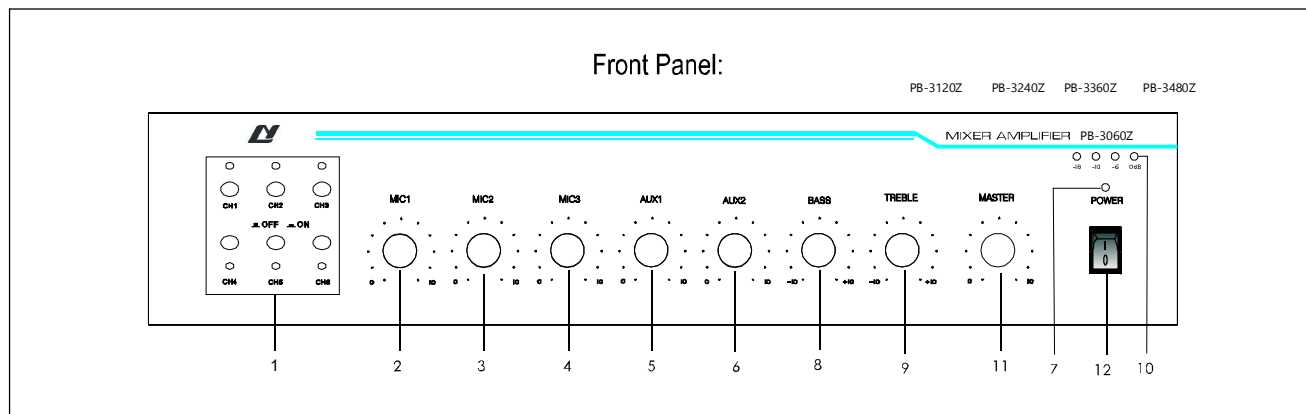
1. Do not block ventilation holes;
2. The Amplifier should not be placed in areas:
 - a) with poor ventilation;
 - b) exposed to direct sunlight;
 - c) with high ambient temperature or adjacent heat/generating equipments;
 - d) with high humidity or dust levels;
 - e) susceptible to vibrations;
3. Make sure the power outlet conforms to the plug of the unit;
4. Do not use this unit if the electrical power cord is frayed or broken;
5. Always operate the unit with AC ground wire connected to the electrical system ground;
6. If an alarm rings while power has been turned on and signal has been fed, there must be a trouble of output shorted. Please turn off and correct the trouble then turn it on again;

MUTE FUNCTION:

This Amplifier provides MUTING Function. MIC2, MIC3, AUX1 and AUX2 are automatically mute by MIC1 Input (signal from MIC1 overrides the other input signals). The attenuation level can be adjusted 0-30dB by adjusting MUTE Control (4) presented on the Rear Panel. It is adjusted -30dB before shipping.

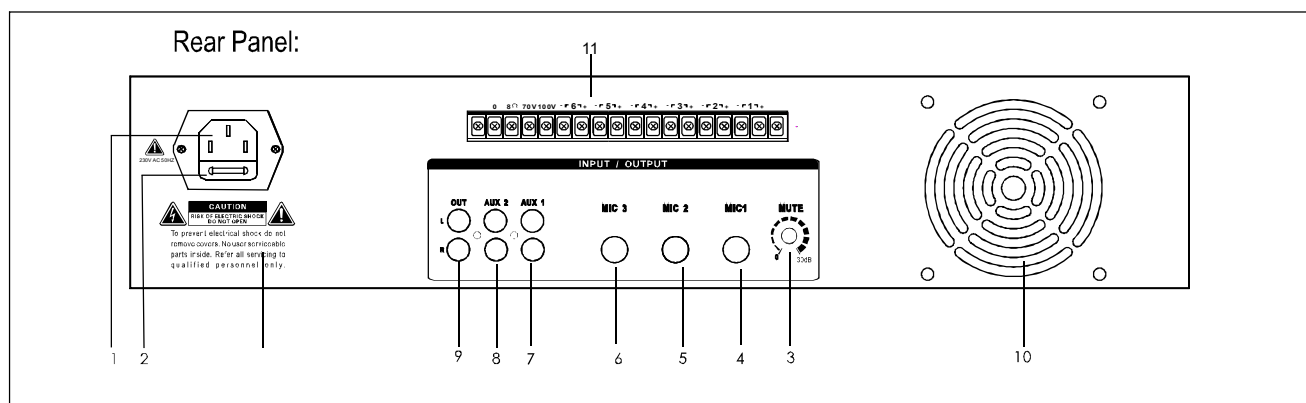


FRONT PANEL CONTROL FUNCITONS:



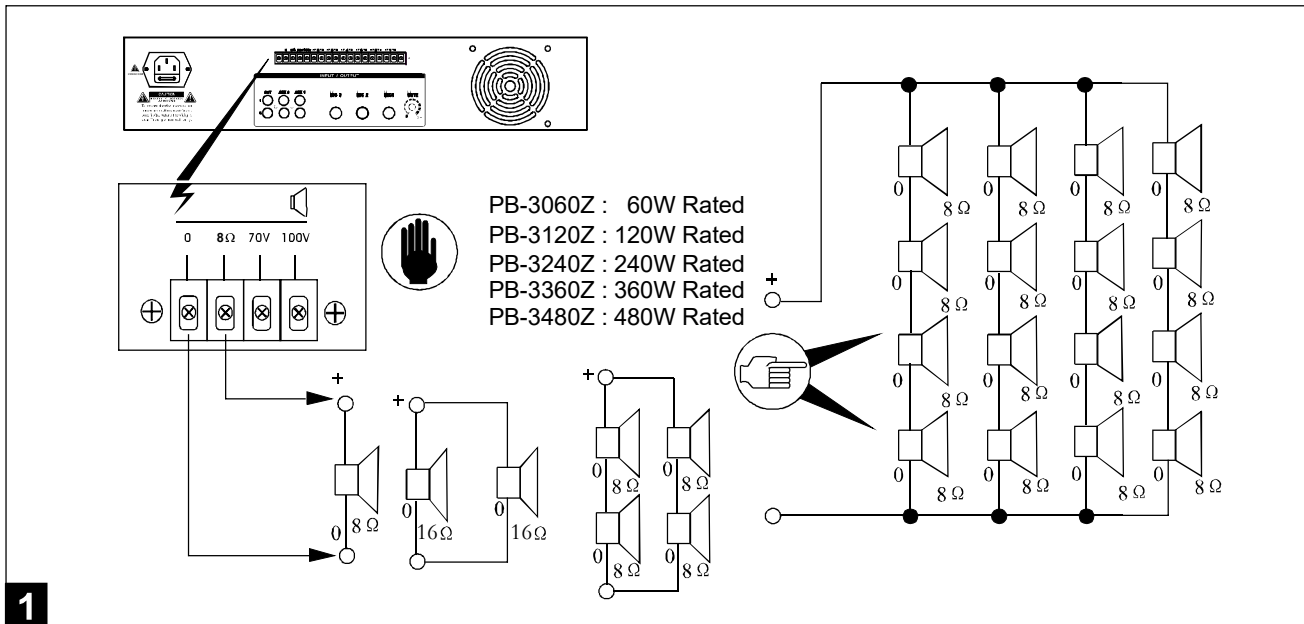
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|--------------------------|----------------------------|
| 1. ZONE | 7. Power indicator; |
| 2. MIC 1 Volume Control; | 8. Bass Control; |
| 3. MIC 2 Volume Control; | 9. Treble Control; |
| 4. MIC3 Volume Control; | 10. Led Level Meter; |
| 5. AUX1 Volume Control; | 11. MASTER Volume Control; |
| 6. AUX2 Volume Control; | 12. Power Switch; |

REAR PANEL CONTROL FUNCITONS:



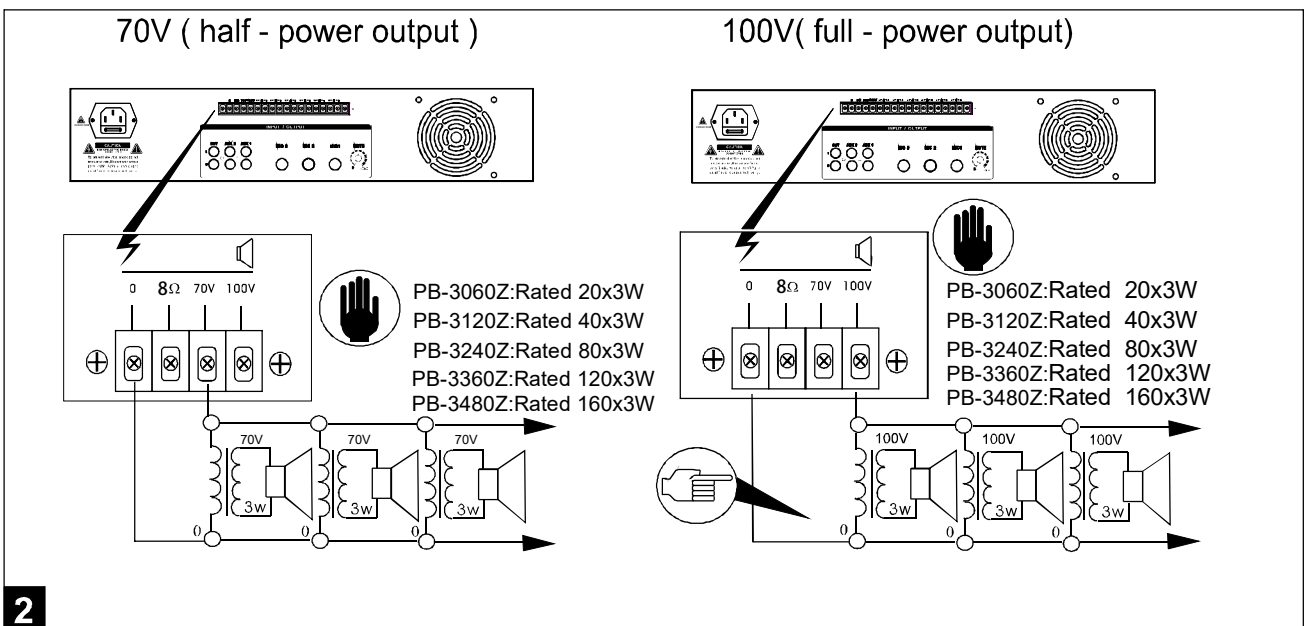
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|---------------------------------|---------------------------------------|
| 1. Power Input socket - 3 pole; | 6.Signal Input socket - Mic3 |
| 2. AC Fuse; | 7.AUX Input socket - AUX1 |
| 3.MUTING control; | 8.AUX Input socket - AUX2 |
| 4.Signal Input socket -Mic1 | 9.AUX Output socket |
| 5.Signal Input socket -Mic2 | 10. FAN |
| | 11. Output Terminals 8 Ohm,70v or100v |

CONNECTING LOUDSPEAKERS



Low-impedance loudspeakers are connected across the 0 and 8 ohm terminals in series or parallel so that the total impedance is equal to (or greater than)8ohms.

NOTE : Ensure that the loud-speakers are wired inphase by connecting the “0” terminals (sometimes marked with a red dot) as shown in fig.1.

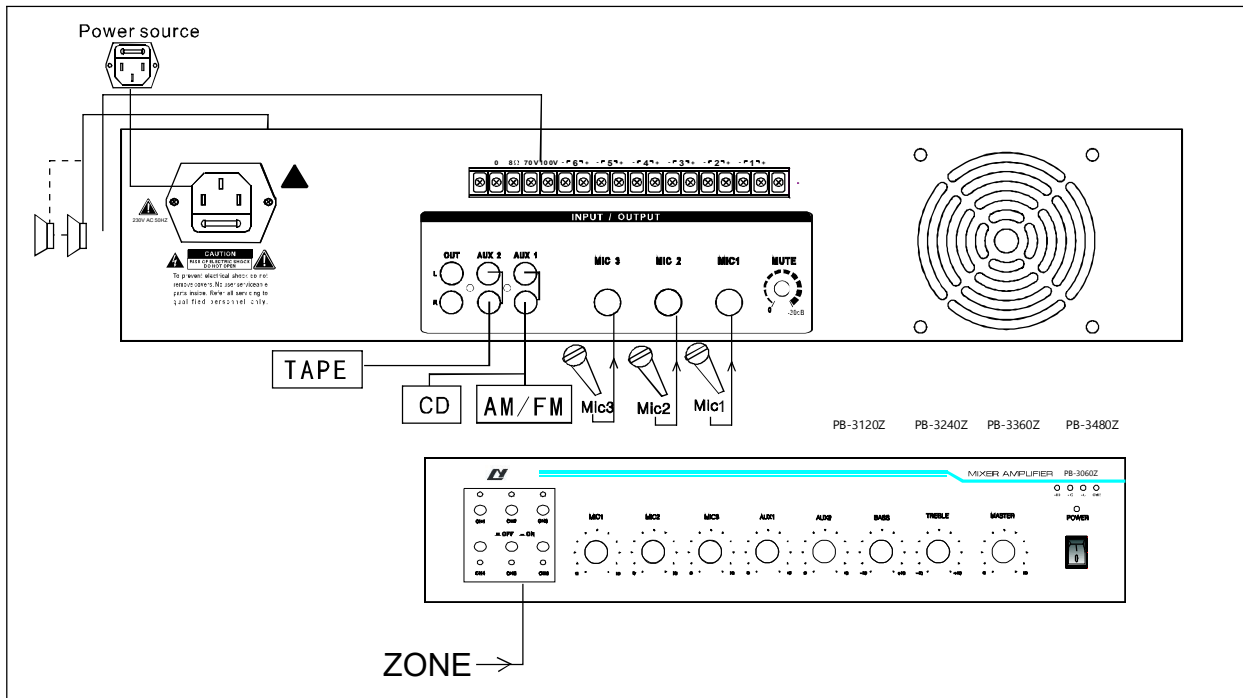


The transformer- coupled amplifier output can drive the loudspeakers transformer with 100 V line input.

Caution: Ensure that the total power handling capacity of the loudspeakers is sufficient for the amplifier nominal output power.

Do not connect 3 or more loudspeaker output terminals at the same time.

CONNECTIONS:



1. ZONE Player;
2. AUX Input and Output connections are made via RCA connectors;
3. Speaker can be connected using Spade plugs.
4. This unit can drive Loudspeakers transformer with 70V or 100V line Input. Ensure that Total Power handling capacity of the Loudspeakers is sufficient for the Amplifier nominal Output Power;
5. Low Impedance Loudspeakers are connected across the COM and 8Ω Terminals in series or parallel so that the Total Impedance is equal or greater than 8Ω.

TECHNICAL SPECIFICATIONS:

Model:	PB-3060Z	PB-3120Z	PB-3240Z	PB-3360Z	PB-3480Z
Power source	230V/ 50Hz				
Power consumption	120W	240W	480W	720W	960W
Output	60W	120W	240W	360W	480W
Max.output power	90W	180W	360W	540W	720W
Frequency response	100Hz~16000Hz \pm 3dB				
DISTORTION(THD)	<0.1% at 1000Hz, 1/3 rated output power				
Output	8 Ω ,70V,100V				
Aux output	600 Ω 1V (0dBV)				
Input	Mic1,2,3:600 Ω , 6 mV (-55dBV)				
	Aux1,2:10K Ω ,250mV (-17dBV),				
S/N ratio	Mic1.2.3: \geq 66dB				
	Aux1.2: \geq 70dB				
Tone control	Bass: \pm 10dB at 100Hz				
	Treble: \pm 10dB at 10000Hz				
Protection	AC Fuse, DC Voltage ,Overload and short circuit				
Muting function	0~-30dB				
Dimensions (Wx Hx D)	430x88x260mm				430x88x388mm
Net weight	6.0KG	8.0KG	10.0KG	12.6KG	16.3KG

Specifications are subject to be changed without notice