



LY INTERNATIONAL ELECTRONICS

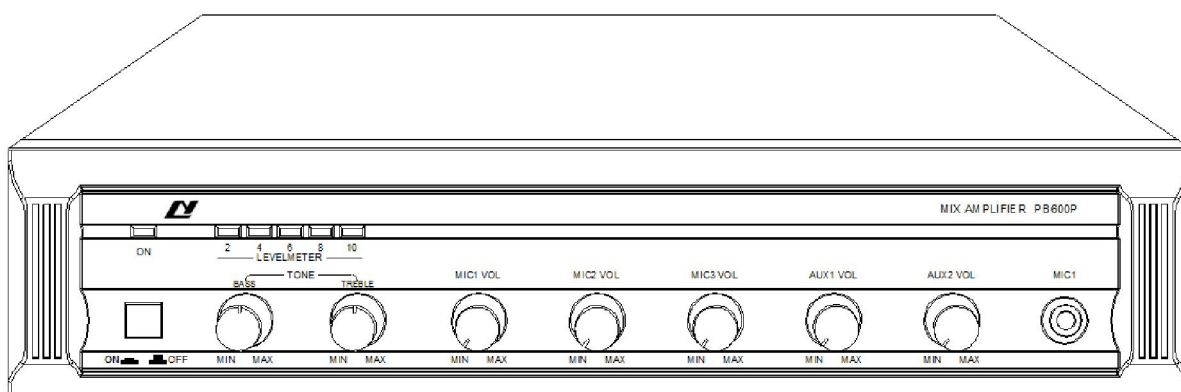
## MIXER AMPLIFIER

**PB200P**

**PB300P**

**PB600P**

**PB1000P**



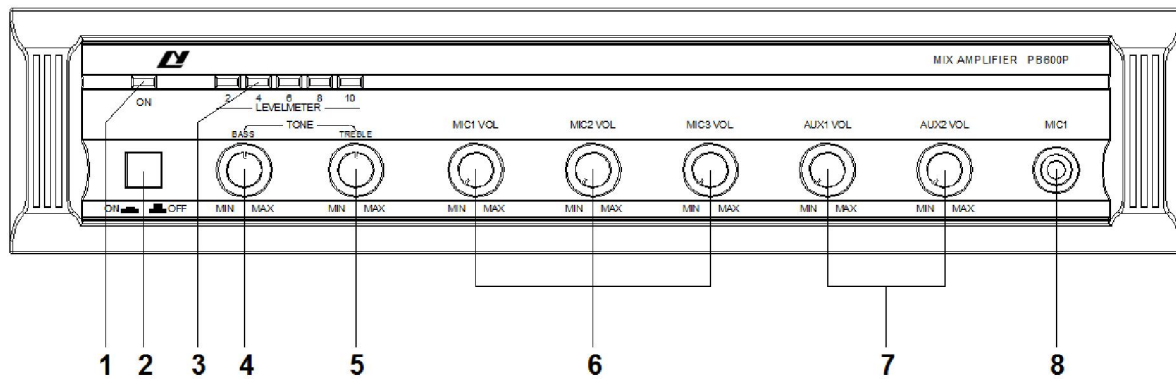
## OWNER'S MANUAL

Before operating, please read this manual carefully.

### *FEATURES*

- Three microphone inputs, two auxiliary inputs, and one AUX output for link.
- Transformer for the speaker outputs at 100V, 70V and 4Ω.
- Muting function.
- Individual volume control.
- Low and high tone control.
- A five-element LED level meter is provided for the quick and easy visual monitoring of sound level.
- The protection and alarm in case of output short-circuit.

## FRONT PANEL



**1 LED power indicator**

For main power.

**2 Power switch**

For main power.

**3 AED level meter**

Indicate output level.

**4 Bass control**

Adjust bass response.

**5 Treble control**

Adjust treble response.

**6 MIC volume control**

Adjust microphone volume.

**7 AUX volume control**

Adjust AUX input volume.

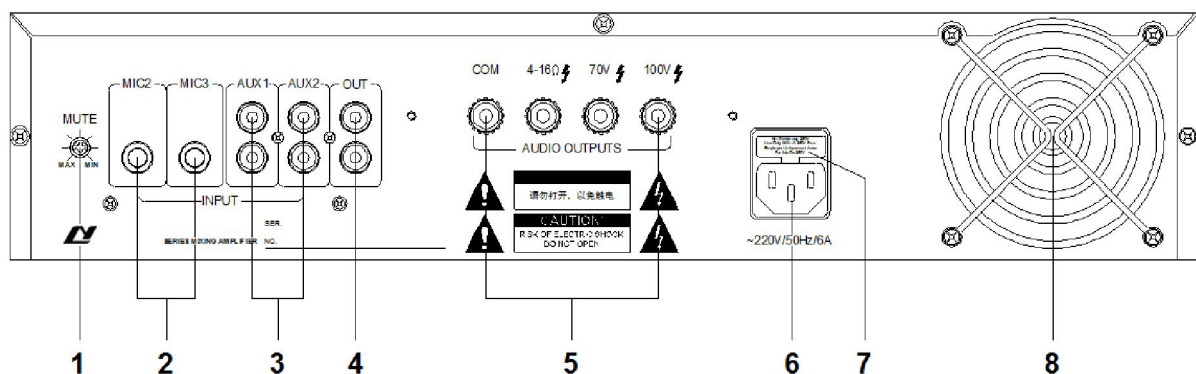
**8 MIC1 input jack**

Connect to microphone of unbalanced 30-600Ω with 1/4" phone plug. The muting function is activated while the signal is sent to MIC1.

### Note:

When all the five elements of the LED level meter remain lit, it indicates that the sound is distorted. In such a case, adjust each volume controlling button, until LED element 4 (+8dB) and LED element 5(+10dB) shall flash.

## REAR PANEL



**1 Mute control**

Adjust muting function.

**2 MIC2 input & MIC3 input**

Connect to the microphones at unbalanced 30-600Ω with 1/4 phone plug. The signals from MIC2 and MIC3 will be muted by the signal from MIC1.

**3 AUX1 input & AUX2 input Prevent the excessive**

Connect to auxiliary source equipment.

**4 AUX output**

Connect to amplifier.

**5 Output terminals**

Connect to speakers.

**6 AC power connector**

Connect to AC power source.

**7 AC fuse**

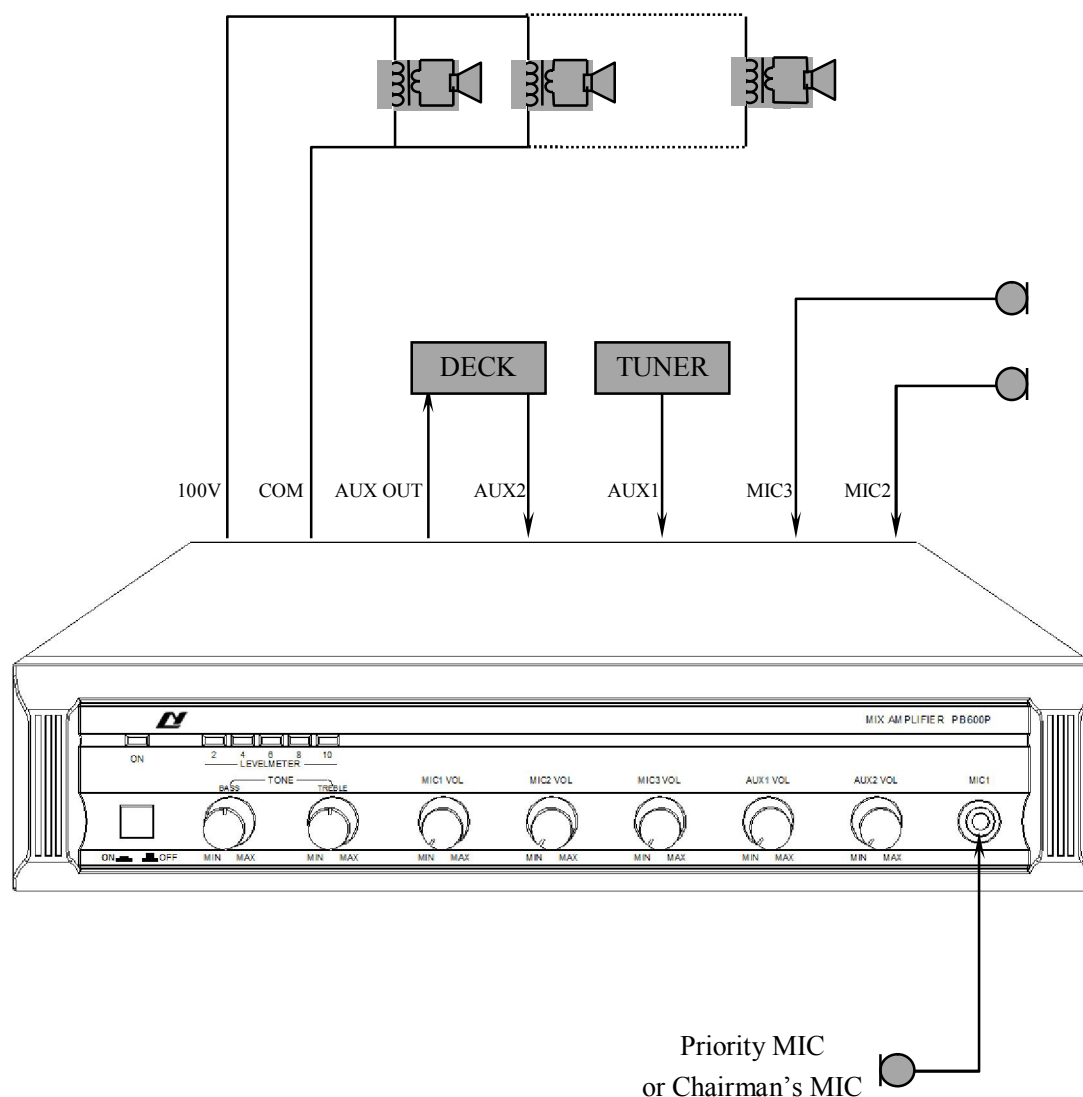
AC current flow.

**8 Fan intake window**

**Note:**

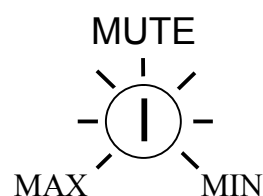
When connecting to speakers, use one pair of speaker output terminals only.

## Connections



## MUTING FUNCTION

This model provides muting function. The inputs from **Mic2**, **Mic3**, **Aux 1** and **Aux 2** are automatically muted by the input from **Mic1**, as the signal from **Mic1** overrides other input signals. The level of **MUTE** can be adjusted within the range from MAX to MIN by adjusting **MUTE** control button on the rear panel. It is preset at MAX before shipping from the factory.



## ***PRECAUTION OF INSTALLATION***

- 1. Do not block ventilation holes.**
- 2. The amplifier should not be placed in any of the areas:**
  - 1) with poor ventilation;**
  - 2) exposed to direct sunlight;**
  - 3) with high ambient temperature or adjacent to heat-generating equipment;**
  - 4) with high humidity or heavy dust;**
  - 5) susceptible to vibration.**
- 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.**

**Always operate the unit with the AC ground wire connected to the electrical system's ground.**
- 5. If an alarm rings after the power has been on and the signal has been fed, there must be an of output short-circuit trouble. In a such case, please turn the power off. Do not turn on the power again, until the trouble shall be resolved.**

## ***SPECIFICATIONS***

| Model                        | PB200P                                                           | PB300P | PB600P | PB1000P |
|------------------------------|------------------------------------------------------------------|--------|--------|---------|
| Rated output                 | 60W                                                              | 120W   | 250W   | 350W    |
| Output regulation            | Less than 3dB, from off-load to full load                        |        |        |         |
| Speaker output               | Balanced 4Ω, 70V, 100V                                           |        |        |         |
| AUX output                   | ≥1V                                                              |        |        |         |
| Input sensitivity            | Mic1,2,3 : 600Ω, ≤3mV, unbalanced                                |        |        |         |
|                              | AUX1,2 : 10kΩ, ≤300mV, unbalanced                                |        |        |         |
| Frequency response           | 50Hz -16kHz (±3dB)                                               |        |        |         |
| Distortion                   | < 0.5% at 1kHz, 1/3rated power                                   |        |        |         |
| The ratio of signal to noise | Mic1,2 and 3 : 75dB                                              |        |        |         |
|                              | AUX1 and 2 : 80dB                                                |        |        |         |
| Tone                         | Bass : ±10dB(100Hz)                                              |        |        |         |
|                              | Treble : ±10dB(10kHz)                                            |        |        |         |
| Protection                   | AC fuse; DC voltage; overload; short-circuit.                    |        |        |         |
| Muting function              | Mic 1 overrides other input signals with 0-( -30 )dB attenuation |        |        |         |
| Power requirements           | AC 220V-240V/50Hz-60Hz                                           |        |        |         |
| Power consumption            | 120W                                                             | 250W   | 500W   | 650W    |
| Outer Packing Size (mm)      | (L×W×H) 520×430×195                                              |        |        |         |
| Unit Size (mm)               | (L×W×H) 420×338×88                                               |        |        |         |
| Gross weight                 | 10.3kg                                                           | 10.8kg | 14.8kg | 15.2kg  |
| Net weight                   | 8.5kg                                                            | 9kg    | 13kg   | 13.4kg  |

Specifications are subject to change without notice

### **CAUTION**

- When the “Power switcher” is off, please pull out the power cord from the socket. Please keep the equipment out of water.
- To reduce the risk of electric shock, do not remove the cover.
- No user parts inside. Refer servicing to qualified service personnel.

LY International Electronics Co. Ltd.

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