

# iBasso Balanced Headphone Amp PB2

Owner's manual

## Main Features:

- 32V voltage swing
- Up to 2500mW output power
- Takes Balanced and Single End inputs, and provides Balanced and Single End outputs
- 3-Setting gain jumpers for impedance matching
- 10 DIP sockets for OPAMP and Buffer rolling
- 4-layer gold plated PCB
- Rechargeable battery pack

## Contents:

iBasso PB2, power adapter, rubber feet, leather pouch, connection cable, and warranty card.

Also comes with the following OPAMPs and Buffers.

OPAMP/BUF	Qty.	L/R	BUF	Singe	Dual
AD797 (Blue)	4	•	•	•	—
OPA604	4	•	—	•	—
BUF634U	4	—	•	•	—
BUF634P WB	4	—	•	•	—
Dummy adapter	4	—	•	•	—

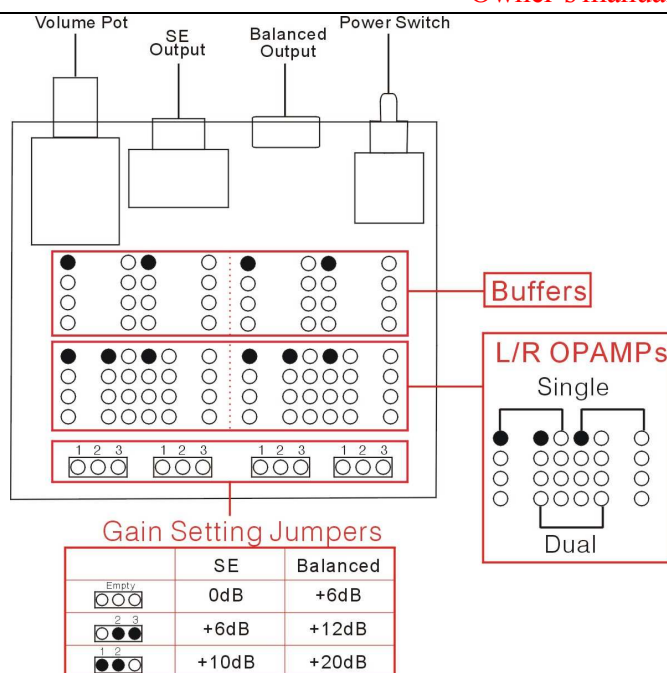
OPA604\*4, and BUF634U\*4 are inserted on the PB2.

## ⚠ Caution:

To protect your hearing, please do not listen at extremely high volume levels. Extended high volume listening can lead to permanent hearing loss.

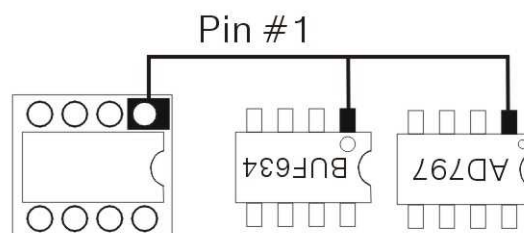
## OPAMP and Buffer Rolling

Before you open the enclosure to roll the OPAMP or buffer, please make sure the PB2 is turned off. The OPAMP and Buffer can be damaged by static. It is better to roll the OPAMP in a static-free environment. Always check it is a single or dual OPAMP before rolling the OPAMP, and make sure it is being placed into the right socket.



## Direction of Inserting the OPAMP and Buffer:

In the follow picture, shows the first pin of the OPAMPs, Buffers, or dummy adapters. In the above picture, there is a black hole on each OPAMP or Buffer sockets, which is where the first pin should go. (Be aware of that, inserting the OPAMP or Buffer in a wrong direction may damage it, which is not covered by warranty.)



## Charging the Battery, & Using External Power Supply

When the furnished AC adapter is connected, the PB2's battery is bypassed; the PB2 is using the 16V external power source. When the charge switch turns to On Position, the PB2 starts charging. The red color charging lamp turns on at the same time. It takes about 4 hours to charge the completely drained battery pack. At the point the red color charge lamp goes off, the battery is about 80% charged. If keeping the AC adapter plugged, the PB2

is on trickle charge mode. After 2 more hours, the battery will be fully charged. PB2 has overcharge protection; you can leave the amp plugged and no over-charging concerns.

## *Warranty:*

iBasso PB2 (excluding accessories and battery pack) to be free from malfunctions and defects in both materials and workmanship for one year from the date of purchase. Buyer should retain the warranty card. The warranty card will be required with any request for warranty repair.

This warranty does not apply when failure is due to, accident alteration, water infiltration, modification, unauthorized service, misuse, abuse, use with incompatible accessories or attachments, failure to follow operations, or claim made after the duration of this warranty.

For further product and warranty information, please go to [www.iBasso.com](http://www.iBasso.com).

## *Specifications:*

Power Source: Built-in 12.6V Li-Polymer Battery Pack, or  
16V External Power Supply

Frequency Response: 10Hz~150 KHz -0.5dB

Signal to Noise Ratio: -115dB

Output power: Up to 2500mW+2500mW into 32  $\Omega$

Gain: +6dB/ +12dB/ +20dB (Balanced Output)

0/ +6dB/ + 10dB (Single End Output)

Battery Life: >20 Hours

Battery Charge Time: 4 Hours

Recommended Headphone Impedance: 8~600 $\Omega$

Case dimension: 2.2W x 3.9L x 0.95H (inch)

55W x 1001L x 24H (mm)

Weight: 168g or 5.9oz