

PHIL JONES BASS[®]

BIGHEAD PRO

HA-2

MULTI-FUNCTION PRE/HEADPHONE AMPLIFIER HA-2 BIGHEAD PRO



OWNER'S MANUAL

Thank you for purchasing the BIGHEAD PRO HA-2. A great deal of dedication and passion went into designing and building this innovative, unique and high-performance product. Reading this manual will enable you to get the best performance from it and it will give you many years of service.

READ THIS FIRST

Before using the BIGHEAD PRO HA-2 please read ALL the instructions.

- On receipt of product, check for any signs of physical damage arising from shipping. If any damage is visible contact your dealer.
- Do not install this equipment in a confined or building-in space such as a bookcase or similar unit, and remain good ventilation conditions at an open site. The ventilation should not be impeded by covering the ventilation openings with items such as newspaper, table-cloths, curtains etc.
- CAUTION: Danger of explosion if a battery is incorrectly replaced. Replace only with the same or equivalent type.
- WARNING: The batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
- WARNING: Only use attachments/accessories specified or provided by the manufacturer (such as the exclusive supply adapter etc).
- WARNING: To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture. It shall not be exposed to dripping or splashing.
- When not in use and during movement, please take care of the power cords, e.g. tie up the power cords with the cable tie or something like that. It shall be free from sharp edges and the like that can cause abrasion of the power cords. When put into use again, please make sure the power cords were not damaged, If any damages found, please look for the service person to replace the power cords specified by the manufacturer or have the same characteristics as the original one.
-  Correct Disposal of this product. This marking indicates that this product should not be disposed of with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

OVERVIEW OF THE BIGHEAD PRO

The BIGHEAD PRO has many features in a small package.

1. Headphone Booster: Connect up a smartphone or audio device to auxiliary input and unleash the true potential of your music to your headphones.

The output power is more than six times than that of an iPhone. The increase in power will add extra dynamics and resolution to your audio.

2. Headphone Amp for Guitar and Bass Instruments: The BIGHEAD PRO features a specifically developed 2-Band EQ system optimized mainly for bass instruments but can also work for any type of other instruments due to the broadband spectrum of the HF boost and cut. Input level control allows any type of passive or active instruments to be connected with perfect impedance and signal level matching.

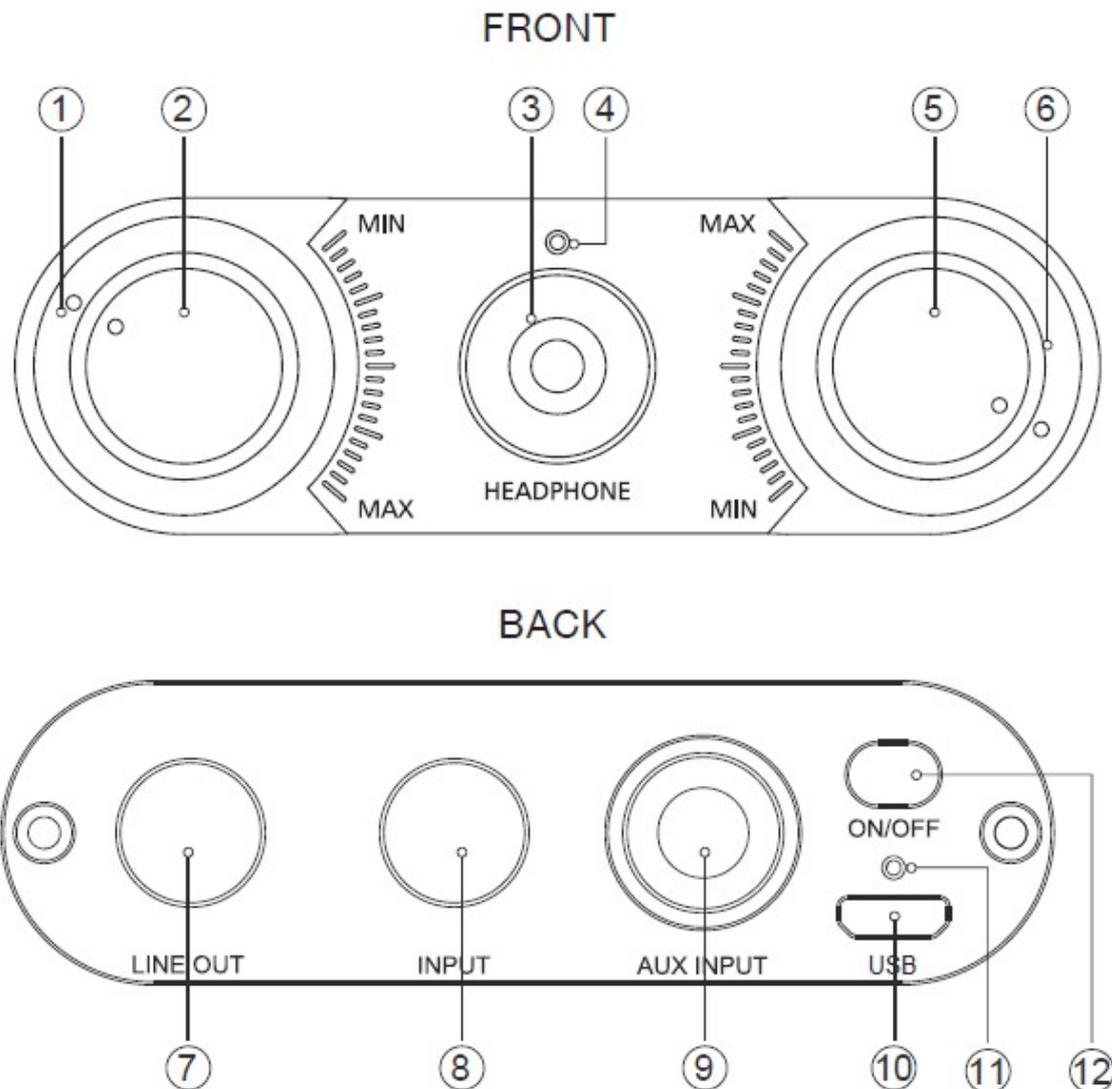
3. Digital Recording Device: The Micro USB can be connected to a computer for recording directly for use with software such as Pro Tools, Cakewalk or Garage Band.

4. Digital Playback: The USB also allows a digital signal to be converted back to Analog playback.

5. Pre Amplifier: The Line out jack can be connected to the input of another amplifier, giving the amp a high quality signal with EQ.

The BIGHEAD PRO features an internal rechargeable lithium-ion battery which can last up to 8 hours of continuous use or can be connected to a smartphone charger via the micro USB for AC operation.

FRONT & BACK PANEL OVERVIEW



1. Input Level Gain (Outer Control)

Instrument only. This will match the level of an instrument to BIGHEAD PRO. If the signal is distorted then turn this control down until distortion has gone.

2. Master Volume Control (Inner Control)

Controls level of both instrument and AUX signal.

3. Headphone Jack

Standard stereo 3.5mm headphone jack. AUX signal is stereo and instrument is a mono signal.

4. Power Indicator

5. Treble Cut/Boost (Inner Control)

Cut and boost signal +/- 18dB of the instrument only not AUX signal.

6. Bass Cut/Boost (Outer Control)

Cut and boost signal +/- 18dB of the instrument only not AUX signal.

7. Line Out Jack

The preamp in the BIGHEAD PRO is of recording studio quality, so the line out is a very pure signal for recording or driving another amplifier.

8. Bass Instrument Input Jack

This is a high impedance input and is designed for all passive and active instruments.

9. Stereo AUX Input Jack

This is a stereo mini jack and can accept any signal from iPod, iPad, and computer or drum machine.

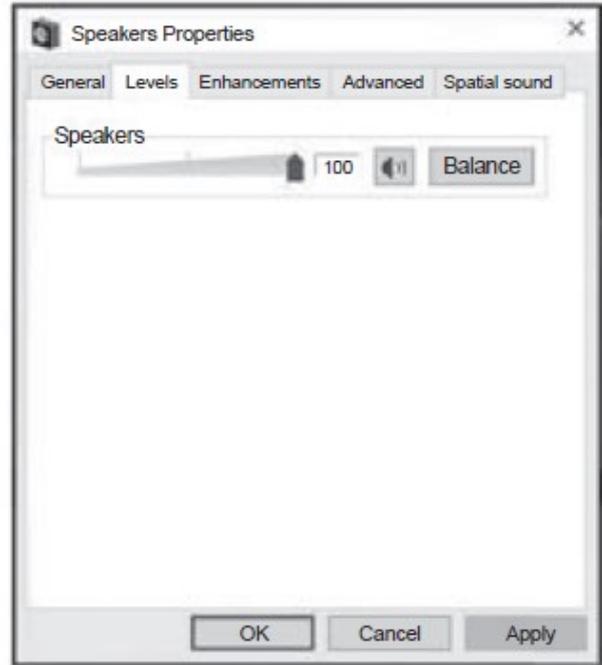
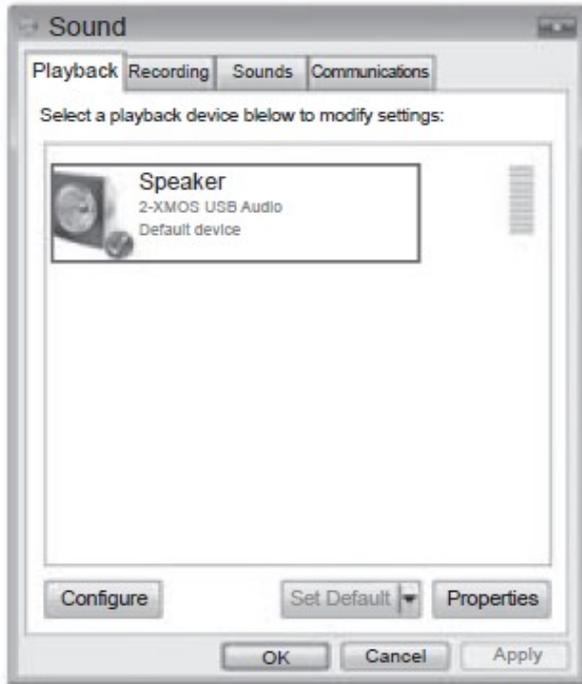
10. USB Digital Audio Interface

- When connected, HA-2 will enumerate using device name string "PJB HA-2", while on older Windows versions, name string will be shown as "XMOS USB Audio".
- In USB mode, volume can be adjusted by VOLUME knob.
- Default USB driver for audio on Windows 7 / Windows 8 / Windows 10 operation system supports only USB Audio Class 1, which limits the audio stream to only 2 channels PCM with highest sample rate of 96KHz. To support PCM with higher sample rate and DSD stream, USB interface of HA-2 is built on USB Audio Class 2, therefore specific driver is needed for using with Windows 7 / Windows 8 / Windows 10. Please refer to <http://pjbworld.com/cms/index.php/product-ha-2/> for details.
- Please understand Windows XP operation system is no longer maintained by Microsoft, driver software to work with Windows XP is no available. Please contact after service for further support.
- USB driver in Mac OS supports USB Audio Class 1 and USB audio Class 2 by default, therefore no dedicated driver software is needed for HA-2 to use with Mac computer.
- In USB mode, PCM stream with various sample rates is supported, including 44.1KHz/48KHz/88.2KHz/96KHz/176.4KHz/192KHz/352.8KHz/384KHz. Highest resolution for PCM stream is 24bit. DSD playback with sample rate of 2.822MHz and 5.644MHz is supported, the stream is output with DoP mode.
- When using with smart devices, like Android phone/Pads etc., please connect HA-2 to the smart device using dedicated USB OTG adapter cable, and install corresponding APP if needed (like Sony Neutron music player etc.).

When in USB mode, if the current OS system is Windows, the DSD audio file is played and output in DoP mode (DSD over PCM). During the playback, please keep the system master volume at maximum setting. Lower the master volume will result in no output or noise output.

Setting sequence of master volume is:

"System console" → "Audio and Hardware" → "Sound" → "Playback", double click the XMOS icon, select the level page, and set the master volume to maximum.



Note: default music player in Mac OS does not support DSD or DoP music playback.

11. Charging Indicator

Red light steady lit = charging Red light off = fully charged

12. Power On/Off Switch

SPECIFICATIONS

Headphone Output Power: 300mW

Frequency Response: 10Hz-40KHz

Impedance: 16-64 ohms

Controls: Master Volume, Input Gain,
Treble/Bass for Instrument Input Signal

Jacks: Headphone (3.5mm stereo mini), Line Out (1/4" Phone),

Input (1/4" Phone), AUX Input (3.5mm stereo mini),

Micro USB for Battery Charge and Digital Signal Interface

Dimensions (WxDxH): 3" x 5.9" x 0.9" (75 x 149 x 24 mm)

Weight: 0.6 lbs (290 g)

PARTS INCLUDED

Soft Cover 3.5mm/ Jack Cable/ Micro USB Cable

SERVICE/WARRANTY INFORMATION

PJB Bighead Pro HA-2 carries a 2-year limited warranty on parts and labor.

Products must be purchased from an authorized PJB dealer to receive warranty service.

Buyer must complete and return the enclosed warranty card within 15 days of purchase, or register online by www.pjbworld.com

This warranty covers defect in materials or workmanship that occurs in normal use. Within warranty period PJB or its local distributor will repair or replace the defect unit free of labor and parts charge.

It is the buyer's responsibility to use the unit strictly according to instructions written in the owner's manual.

This warranty is not transferable; it is provided to the original owner only.

Damage/defects caused by the following conditions are not covered by this warranty:

- Improper handling, neglect or failure to operate the unit in compliance with the instructions given in the user manual;
- Connection or operation in any way that does not comply with the technical or safety regulations applicable in the country where the product is used;
- Repairs or modifications by anyone other than authorized PJB service agent;
- Damages/defects caused by force majeure or any other condition that is beyond the control of PJB.

IMPORTANT:

- In all warranty issues your first line of communication should be to the retailer you purchased from, even if you have purchased the product from an online source.
- When a local distributor is available, a customer who prefers to purchase across the country online may be required to pay shipping charges to the retailer in order to obtain service.

Warranty policy might differ in countries outside of US. Please check with local distributors for warranty information in your region.

Further questions, please contact PJB by email info@philjonespuresound.com

PHIL JONES BASS

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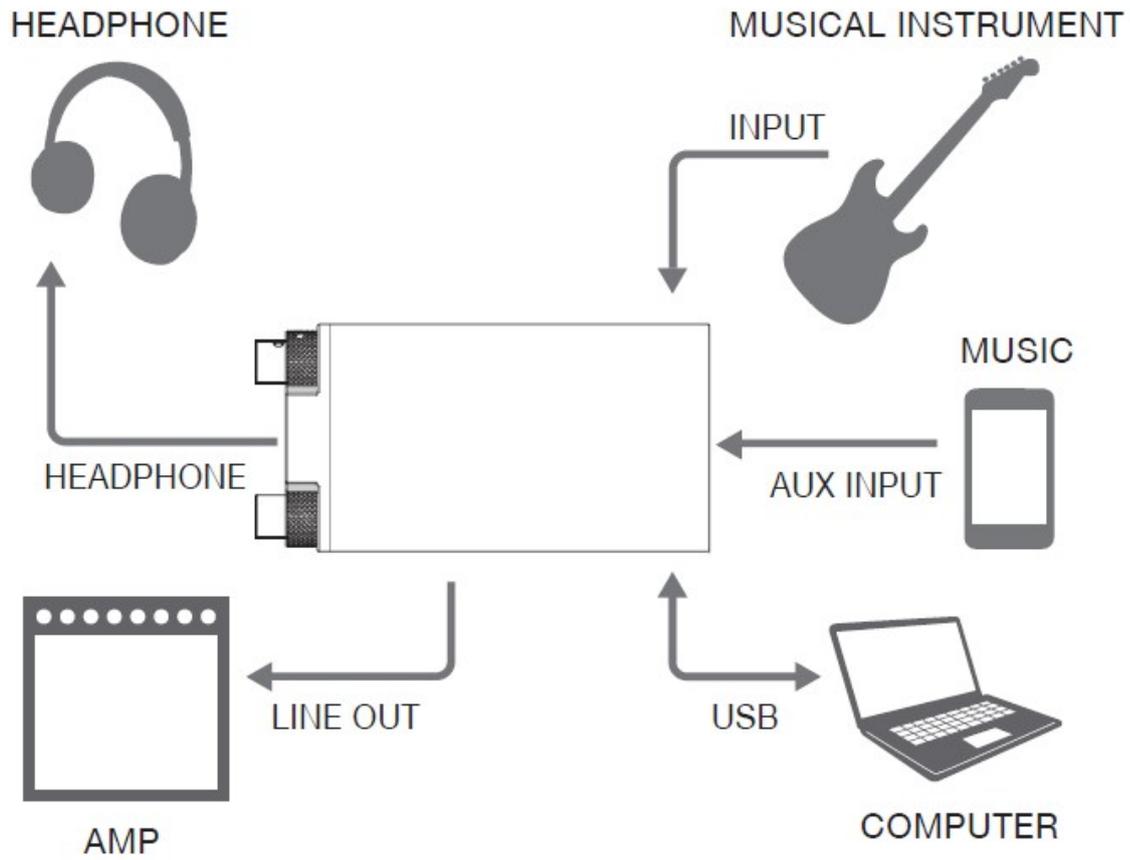
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For servicing outside USA please contact our distributor in your country. Information can be found on our website.

CONNECTION



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