



PHIL JONES BASS





BP-200 AMPLIFIER

OWNER'S MANUAL

Thank you for your purchase of the PJB BP-200.

The BP-200 is a result of our ongoing dedication and passion at PJB for designing innovative high-performance products for the musician. Reading this manual will enable you to achieve the optimum performance from the BP-200 and we hope many years of enjoyment and service.

READ THIS FIRST

- Before using the BP-200 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 retailer.
- Keep all original packing.
- Do not use this amplifier in a way that would compromise its ventilation system. When operating, never cover the heat sink on rear panel.
- Do not locate this amplifier near any heat source.
- This amplifier must be connected only to a power source specified in this manual.
- For safety do not leave the amplifier plugged into a power source for long periods of time when not in use.
- Do not let liquid or any foreign objects fall into any openings on the amplifier.
- Never use this amplifier if it has:
 1. Suffered any physical damage.
 2. Been subjected to any liquids, rain or moisture.
 3. Damaged cables connected to it.
- If any of the above occurs, the amplifier should be examined by qualified service personnel.
- Always operate this amplifier with the correctly rated fuse.
- Never use this amplifier without proper grounding.
- The mains plug is used as disconnect device, the disconnect device shall remain readily operable.
-  Protective earthing terminal. The amplifier should be connected to a mains socket outlet with a protective earthing connection.
-  Correct Disposal of this product. This marking indicates that this product should not be disposed 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.
- The apparatus should not be exposed to dripping or splashing.

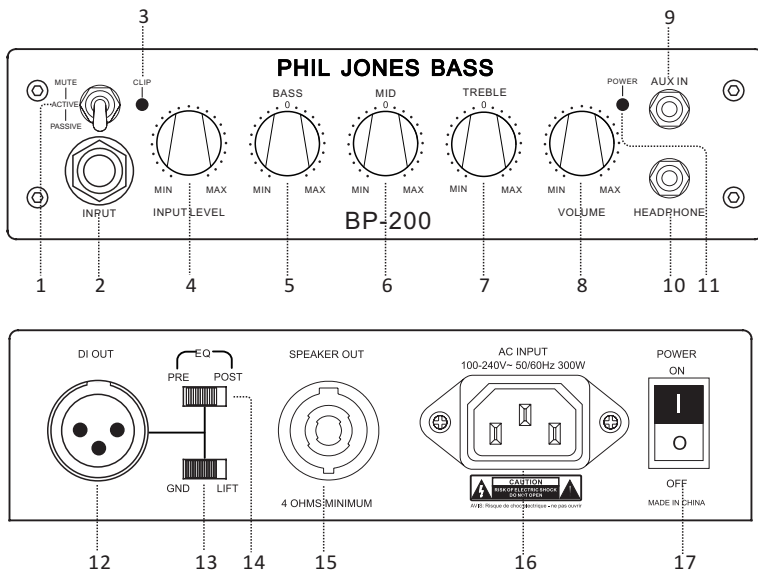
OVERVIEW OF THE BP-200 AMPLIFIER

The BP-200 is a D-Class power amplifier and a pure class A single channel pre-amplifier housed in a machined aluminum/steel enclosure. D-Class amplifiers are highly efficient and therefore produce far less heat than the conventional class AB amplifiers. The compactness and light weight allows this amplifier to be carried in the musician's instrument gig-bag.

FEATURES

- A switchable input, for active (high-output) and passive (high pickup impedance) basses.
- Single switch ACTIVE/PASSIVE/MUTE.
- Variable input sensitivity control to match instrument output with amplifier.
- Input overload indicator.
- Sub sonic filter to reduce excessive loudspeaker cone motion.
- Dedicated 3-Band EQ for total tonal control of instrument.
- Headphone out jack.
- Balanced line out with pre/post EQ and ground lift switches.
- Pre amp output (Line Out jack).
- Neutrik high-current socket can accommodate ¼ jack or a Speakon plug.
- Main Power on/off switch.
- IEC AC input 100-240 volts AC. (Operates on all world voltages).

FRONT PANEL AND BACK PANEL OVERVIEW



1. INPUT /MUTE SWITCH

Top Position: Mute On

Middle Position: Low sensitivity for mainly active basses. For basses with onboard electronics. Input matched for low signal to noise ratio and optimum transfer of electrical signal from modern high-end active basses.

Bottom position: High sensitivity for passive basses that do not have active electronics, suited for older 'vintage' basses. This setting is precisely matched to high impedance pickups enabling them to faithfully reproduce the true frequency and dynamic range of the instrument.

2. INSTRUMENT INPUT JACK

This is a standard ¼ inch mono jack socket.

For the best possible sound, we recommend you use the PJB BI-12 instrument cable as it has very low self-capacitance and absolute shielding resulting in greater transparency of sound and less noise than other instrument cables.

3. LED CLIP/MUTE INDICATOR

Green is Mute, Red is overloaded input.

4. INPUT LEVEL ADJUSTMENT

This is a fine-tuning adjustment (+/- 10dB) to get the precise match from your bass to the amp. When the RED LED is continuously lighting up, reduce the level on the input level control.

5. BASS EQ CONTROL

6. MID RANGE EQ CONTROL

7. TREBLE EQ CONTROL

8. MASTER VOLUME CONTROL

This is the master volume control and it controls how much power you send to your speakers as well as the line out socket on the back of the amp. When setting up your tone or plugging in your instrument, you should keep this control at a low level. All instruments are different when it comes to how much output is from the pickups. Likewise for players, depending on how hard or soft you play. Note this control is a true “Audio Taper” control so that the level position may be set higher compared to other amps that use a “Linear Taper” control. The “Audio Taper” control has far more precision in controlling your output and uses the full rotation to control level, unlike Linear controls that just use the first few degrees of turn and give the impression the amplifier has more volume than what it actually has.

9. AUXILLARY INPUT SOCKET

10. HEADPHONE OUT SOCKET

We recommend the PJB H850 headphones as they were designed for bass and high-fidelity music reproduction. They are a perfect match to the BP-200. When a headphone is connected to the jack, the speaker output will be disconnected and the sound from you speakers will be muted.

11. LED POWER ON INDICATOR

12. BALANCED LINE OUT

This is an ultra-low impedance (200Ω) balanced line out for use with recording or PA mixing consoles. This output is not controlled by the volume control. Changing the level on your instrument, or input level will however, vary the DI output.

13. BALANCED LINE OUT GROUND LIFT SWITCH

Sometimes AC Hum is induced into a sound system due to that both PA and bass amp are connected to different ground potential (known as ground loop). This switch disconnects the amps grounding to PA or recording system to eliminate this hum.

14. BALANCED LINE PRE/POST EQ

This switches the EQ in or out on balanced line. You may choose the tone you have on your amp to go into the PA or for recording or you can use external EQ on mixing console the signal is sent to.

15. LOUDSPEAKER OUTPUT

The BP-200 amplifier will work on any load from 16Ω down to 4Ω, which is the safe maximum load for this amplifier. This socket accepts both Speakon and ¼ inch jack plugs. Do not use a standard instrument cable as these are not designed to work as speaker cables. If you use this type of cable the sound quality will be severely degraded. Use a proper speaker cable with 12-to-16-gauge wire. The shorter the speaker cable is, the better the sound quality will be as shorter cables have less resistance. For Speakon type cables, we recommend that you use PJB SS-3 or the Higher Performance SS-4 high current speaker cables. These dedicated high-current, low-resistance cables. Using inferior, higher resistance cables will greatly impair the performance of your system.

16. AC INPUT SOCKET

This accepts grounder IEC cables. This amp can work on any AC voltage from 100-250volts.

17. POWER ON/OFF SWITCH

This switches the main power on and off in the amplifier.

OPERATION & POSITIONING

TURN THE VOLUME DOWN on the BP-200 before plugging in your instrument.

Connect the speaker or speakers to the BP-200. For best results with this amplifier you should use PJB loudspeaker cabinets and PJB cables. We highly recommend the PJB SS-4 speaker cables for amplifier to cabinets. As they have virtually no loss so there is maximum transfer of power from amplifier to speaker.

Try not to excessively boost the EQ on bass frequencies as this may hurt your speakers.

If you hear that your speakers are distorting and the overload indicator is on, TURN DOWN THE VOLUME CONTROL!

The BP-200 amplifier is rated as 210 watts into 4 ohms but that does not mean it is the maximum output power. This is the output power without audible distortion.

Hard driving the BP-200 can cause it to over power beyond 300 WATTS with distortion. It is always a good idea to have speaker power handling to be double the amplifier power rating. If the amp is subjected to some kind of overload signal, then the speakers won't blow.

For the best possible sound, we recommend you use the PJB BI-12 instrument cable as it has very low self-capacitance and absolute shielding resulting in greater transparency of sound and less noise. Using this cable will give a richer tone to your instrument.

TRANSPORTING AND STORING THE BP-200

When Storing:

- Keep in a dry location preferably at room temperature in the gig bag.
 - Do not store in temperatures below -4 F (-20 C) or above 104 F (40 C).
 - Do not allow it to get wet. If this occurs, never turn it on in this condition.
 - Do not leave the BP-200 permanently connected to a power source.
- Transporting Always use a protective case, gig bag or cover to prevent damage.

SPECIFICATIONS

Amplifier

210 Watts RMS D class amplifier.

Frequency Response

Passive and Active input:16Hz- 20KHz

Maximum Output Power

At least 120 watts RMS at 8 ohms

At least 210 watts RMS at 4 ohms

Signal to Noise Ratio

Better than ≥ 85 dB(A) (EQ off, Volume on Full.)

Impedance

Passive Input: $>2M\Omega/22pF$

Active Input: $>2M\Omega/22pF$

Balanced Line Out: $<200\Omega$

Levels

Passive Input: 200mV-1.5V

Active Input: 600mV-3V

AUX Input: 300mV(MAX)

Balanced line Out: Typical 400mV

EQ: CENTER FREQUENCIES

Bass shelf 100Hz, ± 15 dB;

Mid 1KHz Bandwidth 120Hz-10KHz, ± 15 dB;

Treble shelf 10KHz, ± 15 dB.

Weight: 2.6 lbs / 1.2 kg

Dimensions: 6.9 in W x 2.1 in H x 6.7 in D (176 x 53 x 170 mm)

The BP-200 comes with a 7 ft (1.8m) AC Grounded IEC Power Cord.

SERVICE/WARRANTY INFORMATION

PJB amplifiers carry a 2-year limited warranty on parts and labor.

Products must be purchased from an authorized PJB dealer.

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 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 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;
- Speakers are not covered for damages caused by incorrect connection, or when powered beyond the limit described in the user manual. Manufacturing defects are typically detected during early usage;
- Repairs or modifications by anyone other than authorized PJB service agent;
- Damages/defects caused by forces of nature 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 product from an online source.
- When a local distributor is available, customer who prefers to purchase across country online maybe required to pay shipping charges to retailer in order to obtain service.

Warranty policies differ in countries outside of USA. Please check with local distributors for warranty information in your region. Register first with your local distributor if available will give you better and quicker service when needed.

Further questions, please contact your local distributors, or PJB by email info@philjonespuresound.com.

PHIL JONES BASS

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For servicing outside USA please contact our distributor in your country.

Information can be found on our website.



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