



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 carefully.**
- On receipt of product, check for any signs of physical damage arising from shipping. If any damage is visible, contact your retailer immediately.
- Ensure that the amplifier is not installed in a confined or built-in space, such as a bookcase. The amplifier should be kept in an open area with good ventilation, and the ventilation openings should never be obstructed by items such as newspapers, tablecloths, or curtains.
- Warning: To avoid any potential hazards, use only attachments and accessories specified or provided by the manufacturer.
- Warning: To prevent the risk of fire or electric shock, keep the amplifier away from rain or moisture. The amplifier should not be exposed to dripping or splashing liquids, and no objects filled with liquids should be placed on top of it.
- When the amplifier is not in use or during transportation, take care of the power cord by tying it up with a cable tie. The power cord should be free from sharp edges that may cause abrasion. Before using it again, check that the power cord is not damaged. If any damage is found, replace it with a cord specified by the manufacturer or with the same specifications as the original one.
-  The marking "Correct Disposal of this product" indicates that this product should not be disposed of with other household waste throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, it should be recycled 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.
-  Warning: The apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

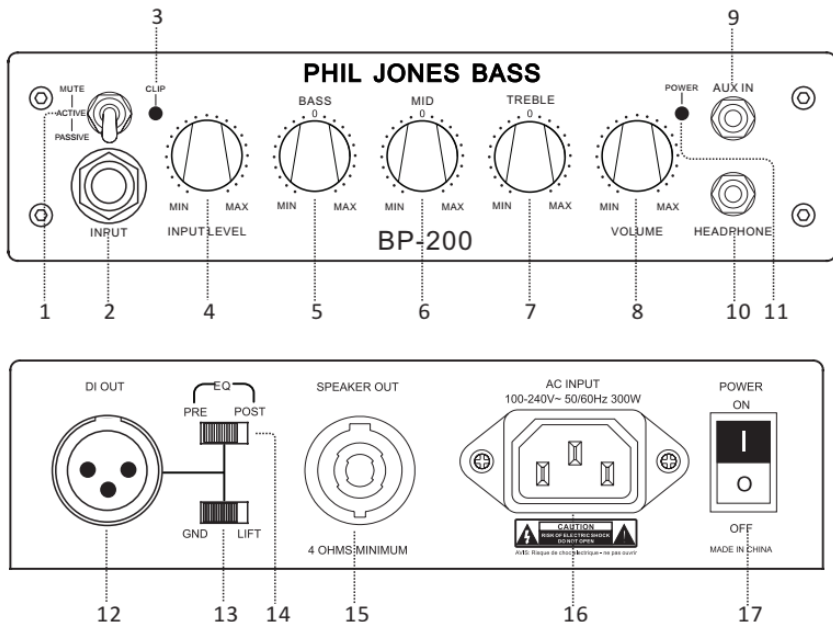
OVERVIEW OF THE BP-200 AMPLIFIER

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 both of speakers and headphone. 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 so you play.

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

NOTE: When power is on, the indicator will light up, if no signal come in the standby mode will activate after 30 minutes, the power indicator LED will light up with red. When a signal come in from INPUT or AUX socket, the amplifier will restart in about 2 seconds.

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 grounded 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 overpower 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.



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