Fishman PRO-LBT-700

Fishman Loudbox Performer BT Acoustic Combo Amplifier User Manual

Model: PRO-LBT-700

1. INTRODUCTION

The Fishman Loudbox Performer BT is a powerful 180-watt bi-amplified acoustic instrument and vocal amplifier designed for clear, transparent sound reproduction. This amplifier features two versatile input channels, each with 3-band EQ, feedback-fighting controls, and effects. Integrated Bluetooth connectivity allows for wireless audio streaming. An integrated kickstand provides optimal sound projection.

Figure 1: Front view of the Fishman Loudbox Performer BT Acoustic Combo Amplifier, showcasing its control panel and speaker configuration.

2. IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions thoroughly before operating the amplifier.

- Keep these instructions for future reference.

- Heed all warnings on the product and in this manual.

- Do not use this apparatus near water.

- Clean only with a dry cloth.

- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

- Only use attachments/accessories specified by the manufacturer.

- Unplug this apparatus during lightning storms or when unused for long periods of time.

- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

3. SETUP

3.1 Unpacking

Carefully remove the Loudbox Performer BT from its packaging. Retain the packaging materials for future transport or storage.

3.2 Placement

Place the amplifier on a stable, flat surface. The integrated kickstand can be used to tilt the amplifier back by 50 degrees for improved sound projection in close-range listening environments. Ensure adequate ventilation around the unit.

3.3 Power Connection

1. Ensure the amplifier's power switch is in the OFF position.

2. Connect the supplied AC power cord to the power inlet on the rear panel of the amplifier.

3. Plug the other end of the power cord into a grounded electrical outlet.

4. Turn the power switch to the ON position. The power indicator light will illuminate.

3.4 Connecting Instruments and Microphones

The Loudbox Performer BT features two identical input channels, each capable of accepting either a 1/4" instrument cable or an XLR microphone cable.

- **Channel 1 & 2 Input:** Connect your acoustic instrument via a 1/4" cable or a microphone via an XLR cable.

- **Phantom Power:** If using a condenser microphone, activate the +48V Phantom Power switch for the respective channel. Ensure the microphone is connected before activating phantom power.

3.5 Bluetooth Pairing

To connect a Bluetooth audio device for backing tracks or accompaniment:

1. Ensure Bluetooth is enabled on your audio device (e.g., smartphone, tablet).

2. Press the **Bluetooth Pair** button on the Loudbox Performer BT's control panel. The Bluetooth indicator light will flash, indicating it is in pairing mode.

3. On your audio device, search for available Bluetooth devices and select "Fishman Loudbox BT".

4. Once paired, the Bluetooth indicator light on the amplifier will glow solid. You can now stream audio wirelessly to the amplifier.

4. OPERATING THE LOUDBOX PERFORMER BT

4.1 Channel Controls (Channels 1 & 2)

- **Gain:** Adjusts the input sensitivity for the connected instrument or microphone. Start with the gain low and gradually increase until the desired volume is achieved without clipping.
- **Low, Mid, High EQ:** These controls allow you to shape the tonal characteristics of your sound.
  - **Low:** Boosts or cuts bass frequencies.
  - **Mid:** Boosts or cuts midrange frequencies, crucial for instrument and vocal clarity.
  - **High:** Boosts or cuts treble frequencies for brightness or warmth.
- **Anti-Feedback:** Helps to eliminate feedback. Adjust this control to find the frequency that is causing feedback and reduce it.
- **Effects Level:** Controls the amount of the selected effect (Reverb, Chorus, Delay, Flanger) applied to the channel.
- **Phase Switch:** Inverts the phase of the input signal, which can help reduce feedback or improve tone when used with certain pickups or microphones.

4.2 Master Section

- **Master Volume:** Controls the overall output volume of the amplifier.
- **Effects Select:** Choose from various built-in digital effects (Reverb, Chorus, Delay, Flanger).
- **Effects Parameter:** Adjusts a specific parameter of the selected effect (e.g., decay time for reverb, rate for chorus).
- **Aux Input Level:** Controls the volume of the auxiliary input.

4.3 Rear Panel Connections

- **DI Output (XLR):** Balanced XLR outputs for sending the signal to a mixing console or PA system. Separate DI outputs are available for Channel 1, Channel 2, and a Mix output.
- **Aux Input (1/4" & 1/8"):** Connect external audio devices (e.g., MP3 players, drum machines) for playback through the amplifier.
- **Effects Loop (Send/Return):** Allows for the integration of external effects pedals or processors.

5. MAINTENANCE

- **Cleaning:** Wipe the amplifier's exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the amplifier in a dry, temperature-controlled environment. If possible, use a protective cover to prevent dust accumulation.
- **Ventilation:** Ensure that the ventilation openings are clear of obstructions to prevent overheating.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No sound output	Power not connected or switched on. Master Volume or channel Gain too low. Instrument/microphone cable faulty or incorrectly connected. Speaker protection engaged.	Check power connection and switch. Increase Master Volume and channel Gain. Test with a different cable or ensure secure connection. Turn off, wait a few minutes, then restart.
Feedback (howling sound)	Microphone too close to speaker. High gain settings. Room acoustics.	Adjust microphone position. Reduce channel Gain. Use the Anti-Feedback control. Engage Phase switch if applicable.
Bluetooth not pairing	Amplifier not in pairing mode. Device too far away. Previous device still connected.	Press the Bluetooth Pair button. Move device closer to the amplifier. Disconnect from previous device or restart Bluetooth on both devices.
Distorted sound	Input signal too hot (Gain too high). Master Volume too high. Faulty cable or instrument.	Reduce channel Gain. Lower Master Volume. Test with different cables/instruments.

7. SPECIFICATIONS

Model	PRO-LBT-700
Output Wattage	180 Watts
Speakers	1x5 Inches + 1x8 Inches with Tweeter
Channels	2 (Instrument/Microphone)
Connectivity	Bluetooth Wireless
Dimensions (L x W x H)	22 x 20 x 16 inches
Item Weight	1 pounds
Material	Wood
Color	Brown

8. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Fishman website or contact their customer service department. Keep your proof of purchase for warranty claims.
Manufacturer: Fishman
Website: www.fishman.com