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Fenton SHFB65

Fenton SHFB65 Passive Bookshelf Speakers User Manual

1. INTRODUCTION

Thank you for purchasing the Fenton SHFB65 Passive Bookshelf Speakers. This manual provides essential information for the safe and efficient use of your new audio equipment. Please read these instructions carefully before installation and operation, and retain them for future reference.

The Fenton SHFB65 speakers are designed to deliver high-fidelity audio, suitable for various applications including home stereo systems and home cinema setups. These passive speakers require an external amplifier for operation.

HIGH QUALITY SOUND

STEREO BOOKSHELF SPEAKERS



Figure 1: Fenton SHFB65 Passive Bookshelf Speakers

2. SAFETY INFORMATION

To reduce the risk of electric shock, fire, or damage to the equipment, please observe the following safety precautions:

- **Power Source:** These are passive speakers and do not connect directly to a mains power outlet. They must be connected to an appropriate audio amplifier.
- **Amplifier Compatibility:** Ensure your amplifier's output power and impedance match the speaker's specifications to prevent damage.
- **Ventilation:** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- **Water and Moisture:** Do not expose the speakers to rain, moisture, dripping, or splashing. Do not place objects filled with liquids, such as vases, on the speakers.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Placement:** Place speakers on a stable, level surface to prevent them from falling. The anti-slip rubber feet provide additional stability.
- **Cleaning:** Only clean with a dry cloth.

3. PACKAGE CONTENTS

The Fenton SHFB65 package includes:

- 2 x Fenton SHFB65 Passive Bookshelf Speakers
- User Manual (this document)

Please inspect the contents immediately upon receipt to ensure all parts are present and undamaged. Contact your supplier if any items are missing or damaged.

4. PRODUCT FEATURES

The Fenton SHFB65 speakers incorporate several design elements for optimal audio reproduction:

- **2-Way Speaker System:** Each speaker features a 6.5-inch woofer for low and mid-range frequencies and a 3-inch tweeter for clear high frequencies.
- **Bass-Reflex Design:** An integrated bass-reflex port on the rear of the cabinet enhances low-frequency response, providing deeper bass.
- **Gold-Plated Screw Terminals:** High-quality gold-plated screw terminals ensure a secure connection and optimal signal transfer from your amplifier.
- **Anti-Slip Rubber Feet:** Rubber feet are included on the base of each speaker to provide stability and minimize vibrations.
- **Durable Construction:** The speaker cabinets are constructed from wood, contributing to acoustic performance and durability.

2-WAY TECHNOLOGY



Figure 2: 2-Way Technology Illustration

5. SETUP

Proper setup is crucial for optimal sound quality and speaker longevity. These speakers are passive and require an external amplifier.

5.1 Placement

- Place the speakers on a stable, flat surface at ear level when seated.
- For stereo imaging, position the speakers equidistant from your listening position and spaced appropriately apart.
- Avoid placing speakers directly against a wall if possible, especially due to the rear bass-reflex port, to prevent excessive bass resonance. A distance of 10-30 cm from the wall is often ideal.

5.2 Connecting to an Amplifier

The Fenton SHFB65 speakers connect to your amplifier using speaker wire. Ensure your amplifier is turned off before making any connections.

1. **Prepare Speaker Wire:** Strip approximately 1-2 cm of insulation from both ends of your speaker wire. Twist

the exposed strands tightly to prevent stray wires.

2. **Connect to Speakers:** Unscrew the gold-plated terminals on the back of each SHFB65 speaker. Insert the exposed speaker wire into the hole, ensuring that the positive (+) wire (often marked with red or a stripe) connects to the red terminal and the negative (-) wire (often marked with black or plain) connects to the black terminal. Tighten the terminals securely.
3. **Connect to Amplifier:** Connect the other end of the speaker wire to the corresponding speaker output terminals on your amplifier. Again, ensure positive (+) connects to positive (+) and negative (-) connects to negative (-). Maintain consistent polarity for both speakers.

BASS REFLEX SYSTEM

NATURAL BASS SYSTEM



Figure 3: Rear Panel with Connections

Important: Incorrect polarity (e.g., positive to negative) will result in poor sound quality, particularly weak bass. Always double-check your connections.

6. OPERATING INSTRUCTIONS

Once the speakers are correctly connected to your amplifier:

1. Ensure all connections are secure.
2. Turn on your amplifier.

3. Select the desired audio source on your amplifier.
4. Start playing audio at a low volume and gradually increase it to your preferred listening level.

The volume and tone controls (bass/treble) are managed via your connected amplifier or audio source.

7. MAINTENANCE

To ensure the longevity and performance of your Fenton SHFB65 speakers, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the speaker cabinets. Do not use liquid cleaners, aerosols, or abrasive materials, as these can damage the finish.
- **Grilles:** The speaker grilles can be carefully removed for cleaning if necessary. Use a soft brush or vacuum cleaner with a brush attachment to remove dust. Reattach securely.
- **Environment:** Avoid exposing the speakers to direct sunlight, extreme temperatures, or high humidity.
- **Handling:** When moving the speakers, lift them carefully from the base. Avoid dropping or subjecting them to strong impacts.

8. TROUBLESHOOTING

If you encounter issues with your speakers, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|----------------------------|---|--|
| No sound from speakers | Amplifier not powered on Incorrect input selected on amplifier Loose or incorrect speaker wire connections Amplifier volume too low or muted | Ensure amplifier is on and functioning Select the correct input source Check all speaker wire connections for proper polarity and tightness Increase amplifier volume and check mute settings |
| Distorted or unclear sound | Overdriven amplifier/speakers Loose speaker wire connections Incorrect polarity Damaged speaker cone/tweeter | Reduce amplifier volume; ensure amplifier power matches speaker rating Check and secure all speaker wire connections Verify positive-to-positive and negative-to-negative connections Contact support if physical damage is suspected |
| Weak or no bass | Incorrect speaker polarity Speakers placed too far from walls Amplifier bass setting too low | Ensure correct polarity (+ to +, - to -) Adjust speaker placement closer to a wall (but not directly against it) Adjust bass settings on your amplifier |
| One speaker not working | Loose connection to that speaker Faulty speaker wire Amplifier channel issue | Check connections for the non-working speaker Swap speaker wires between channels to isolate the problem Test with another speaker if available to check amplifier channel |

If the problem persists after trying these solutions, please consult a qualified technician or contact Fenton customer support.

9. SPECIFICATIONS

The following table details the technical specifications for the Fenton SHFB65 Passive Bookshelf Speakers:

| Feature | Specification |
|-----------------------------|---|
| Model | SHFB65 |
| Speaker Type | Passive Bookshelf Speaker |
| System | 2-Way Bass-Reflex |
| Woofer Size | 6.5 inches |
| Tweeter Size | 3 inches |
| Max Power Output (per pair) | 200 Watts (2x 100W max) |
| Frequency Response | 35Hz - 19kHz |
| Impedance | 4 Ohms |
| SPL @ 1W/1m | 94 dB |
| Dimensions (per speaker) | 200 x 200 x 310 mm (Depth x Width x Height) |
| Weight (per speaker) | 6.6 kg |
| Cabinet Material | Wood |
| Connectivity | Speaker Cable (Gold-plated screw terminals) |
| Recommended Use | Home Audio Entertainment |

MEASUREMENTS

THE PERFECT SIZE FOR IN YOUR ROOM



Figure 4: Speaker Dimensions

10. WARRANTY AND SUPPORT

Fenton products are designed and manufactured to the highest quality standards. For information regarding warranty terms and conditions, please refer to the warranty card included with your product or visit the official Fenton website. For technical support or service inquiries, please contact your retailer or the Fenton customer service department.

Please have your model number (SHFB65) and purchase date available when contacting support.