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HiBy FC1 II

HiBy FC1 Portable Headphone Amplifier User Manual

Model: FC1 II | Brand: HiBy

INTRODUCTION

The HiBy FC1 is a compact and powerful portable headphone amplifier and USB DAC designed to significantly enhance the audio quality from your smartphones, PCs, and other compatible devices. Featuring the advanced CS46L41 DAC chip, it supports high-resolution audio formats up to PCM 384kHz/32Bit, delivering a superior listening experience. Its plug-and-play design and robust aluminum alloy body make it an ideal companion for audiophiles on the go.



Image: The HiBy FC1 Portable Headphone Amplifier in black, showcasing its compact form factor and side-mounted volume controls.

KEY FEATURES

- **High-Fidelity Audio:** Equipped with the CS46L41 chip, supporting PCM 384kHz/32Bit for exceptional sound quality.
- **Versatile Connectivity:** Functions as a USB-C DAC and can be used with iOS, Android, Windows, MAC, and Linux

devices.

- **Powerful Output:** Delivers 65mW@32Ω, capable of driving a wide range of HiFi earphones.
- **Plug-and-Play:** No driver installation required for most operating systems.
- **Durable Design:** Features an aluminum alloy body for enhanced durability.
- **Intuitive Controls:** Includes physical volume buttons and an RGB indicator light for easy operation.

Hi-Res Certified Music Quality



Image: The HiBy FC1 in green, highlighting its Hi-Res Audio certification with a vibrant sound wave background.

HiFi DAC

Supports playback of PCM 44.1 / 48 / 96 / 192 / 384 kHz



Image: A detailed view of the CS46L41 DAC chip, the core component responsible for the FC1's high-fidelity audio processing.



High Driving Power

Image: The orange HiBy FC1 connected to a smartphone and headphones, illustrating its capability to provide high driving power for various earphones.



Computer Audio Decoding

Image: The orange HiBy FC1 connected to a laptop, demonstrating its function as an external audio decoder for computers.



3.5mm Headphone Port

Image: A close-up view of the 3.5mm headphone port on the HiBy FC1, ready for headphone connection.

Best Match For The HiBy Music App



Image: The HiBy FC1 connected to a smartphone, showing its seamless integration and optimal performance with the HiBy Music App.



Image: The black HiBy FC1 resting on a ukulele, emphasizing its durable all-metal body construction.



Image: A side view of the green HiBy FC1, clearly showing the integrated hardware volume buttons for easy audio control.

WHAT'S IN THE BOX

Upon opening your HiBy FC1 package, you will find the following items:

- FC1 USB DAC (Headphone Amplifier)
- USB A to C adapter
- Type-C to Type-C OTG interconnect cable
- User Manual
- Warranty Card
- QC Certification Card

What's in the box



FC1 headphone DAC+amp



Type-C to Type-C OTG interconnect



User manual



USB A to C adapter



warranty card



QC certification card



Packing box

Image: A visual representation of all items included in the HiBy FC1 retail package.

SETUP GUIDE

Connecting to Smartphones (Android/iOS)

1. **Identify Port:** Determine if your smartphone has a USB-C port or a Lightning port.
2. **Connect FC1:** Use the provided Type-C to Type-C OTG interconnect cable to connect the HiBy FC1 to your smartphone's charging/data port. If your phone uses a Lightning port, you will need a separate Lightning to USB-C adapter (not included) to connect to the FC1.
3. **Connect Headphones:** Plug your 3.5mm headphones into the 3.5mm headphone port on the HiBy FC1.
4. **Play Audio:** Start playing audio on your smartphone. The audio will now be routed through the HiBy FC1, utilizing its DAC and amplifier for improved sound quality.

Connecting to Computers (Windows/Mac/Linux)

- 1. Identify Port:** Determine if your computer has a USB-A or USB-C port.
- 2. Connect FC1:** Use the provided Type-C to Type-C OTG interconnect cable to connect the HiBy FC1 to a USB-C port on your computer. If your computer only has USB-A ports, use the included USB A to C adapter with the Type-C to Type-C cable.
- 3. Connect Headphones:** Plug your 3.5mm headphones into the 3.5mm headphone port on the HiBy FC1.
- 4. Select Audio Output:** On your computer, navigate to your sound settings (e.g., Sound Preferences on Mac, Sound Settings on Windows). Select "HiBy FC1" or a similar device name as your default audio output device.
- 5. Play Audio:** Begin playing audio. The sound will now be processed and amplified by the HiBy FC1.

OPERATING INSTRUCTIONS

Volume Control

The HiBy FC1 features dedicated hardware volume buttons on its side. Press the '+' button to increase the volume and the '-' button to decrease it. These buttons control the output volume directly from the FC1.

RGB Indicator Light

The FC1 is equipped with an RGB indicator light that provides visual feedback on the current audio sampling rate:

- Blue:** Indicates standard resolution audio (e.g., 44.1kHz, 48kHz).
- Green:** Indicates high-resolution audio (e.g., 88.2kHz, 96kHz, 176.4kHz, 192kHz).
- Red:** Indicates ultra-high-resolution audio (e.g., 352.8kHz, 384kHz).

This indicator helps you confirm that your high-resolution audio files are being played back at their intended quality.

MAINTENANCE

- Cleaning:** Use a soft, dry, lint-free cloth to clean the exterior of the HiBy FC1. Avoid using abrasive cleaners, solvents, or strong chemicals, as they may damage the finish.
- Storage:** When not in use, store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- Handling:** While the aluminum alloy body is durable, avoid dropping the device or subjecting it to strong impacts, which could damage internal components.
- Connectivity:** Ensure that cables are inserted and removed gently to prevent damage to the ports.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound output.	Incorrect audio output device selected on computer/smartphone; loose cable connection; headphones not fully plugged in.	Verify "HiBy FC1" is selected as the audio output. Ensure all cables are securely connected. Check headphone plug.
Sound is distorted or hissing.	Volume too high; incompatible audio format; faulty cable or headphones.	Reduce volume. Ensure audio format is supported. Try different headphones or cables to isolate the issue.
Device not recognized by computer/smartphone.	Faulty USB port; incorrect cable; operating system driver issue (rare for plug-and-play).	Try a different USB port. Use the provided cables. Restart your device. Check for OS updates if necessary.
RGB indicator light not working or showing unexpected color.	No audio playback; low power; device malfunction.	Ensure audio is playing. Reconnect the device. If the issue persists, contact support.

SPECIFICATIONS

Model Number	FC1 II
DAC Chip	CS46L41
PCM Support	Up to 384kHz/32Bit
Output Power	65mW@32Ω
Headphone Output	3.5mm single-ended
Input Port	USB Type-C
Body Material	Aluminum Alloy
Item Weight	0.3 ounces
Package Dimensions	4.88 x 2.72 x 1.5 inches
Country of Origin	China
Date First Available	October 29, 2024

WARRANTY AND SUPPORT

Warranty Information

The HiBy FC1 Portable Headphone Amplifier comes with a standard manufacturer's warranty. Please refer to the included Warranty Card in your product packaging for specific terms, conditions, and duration of the warranty. Keep your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting, or any inquiries regarding your HiBy FC1, please visit the official HiBy website or contact their customer support. You can often find FAQs, driver downloads, and contact information on their support page.

Note: Specific contact details may vary by region. Please check the HiBy official website for the most up-to-date support information.

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