

HiBy W3 II

HiBy W3 II Headphone Amp Bluetooth 5.2 Receiver USB DAC User Manual

Model: W3 II | Brand: HiBy

1. INTRODUCTION

The HiBy W3 II is a versatile portable audio device designed to enhance your listening experience. It functions as a high-fidelity Digital-to-Analog Converter (DAC) and headphone amplifier, a Bluetooth 5.2 receiver, and a USB DAC for various devices. This manual provides detailed instructions for its setup, operation, and maintenance.



Image 1.1: The HiBy W3 II Headphone Amp, a compact black device with a clip, featuring control buttons and audio ports.

2. KEY FEATURES

- **HIFI DAC AMP:** Utilizes the CS43131 integrated DAC and amplifier for high-fidelity audio conversion and powerful amplification.
- **Bluetooth 5.2 Receiver:** Features the latest Bluetooth SoC, supporting Bluetooth 5.2 and Hi-Res Bluetooth codecs including UAT, LDAC, aptX, aptX HD, AAC, and SBC.
- **192kHz UAT Transmission:** Supports an industry-leading 192kHz transmission sample rate with the in-house UAT Bluetooth codec for superior audio quality.
- **NFC Pairing:** Supports one-touch NFC pairing for quick and convenient device connection.
- **Dedicated Controller App:** Remotely controlled by the HiByBlue app, offering features like sample rate readout, Bluetooth codec display, battery level monitoring, EQ adjustment, and firmware updates.
- **USB DAC Dongle Mode:** The Type-C port allows use as a USB DAC, transforming the device into a USB dongle or computer sound card.
- **Car Mode:** Automatically powers on with the car and connects to a smartphone, ideal for in-car audio systems.

Supports Bluetooth 5.2 And All Hi-Res Bluetooth Codecs



Qualcomm
aptX HD



Qualcomm
aptX



Image 2.1: The HiBy W3 II supports Bluetooth 5.2 and various Hi-Res Bluetooth codecs, including UAT, LDAC, aptX, aptX HD, AAC,

and SBC, indicated by logos.



Image 2.2: A close-up view of the CS43131 DAC chip, highlighting its role in high-fidelity audio processing.



Image 2.3: A detailed image of the Bluetooth 5.2 QCC5125 chip, responsible for the device's advanced wireless connectivity.

3. PACKAGE CONTENTS

Please check the package for the following items:

- HiBy W3 II Headphone Amp Bluetooth Receiver
- USB-C Charging Cable
- User Manual (this document)

4. PRODUCT OVERVIEW AND CONTROLS

Dongle Mode



Image 4.1: Diagram illustrating the controls and ports of the HiBy W3 II, including power, volume, microphone, and LED indicator.

Controls and Indicators:

- **Power Button:** Located on the side.
- **Volume + Button:** Located on the side.
- **Volume - Button:** Located on the side.
- **3.5mm Headphone Jack:** Located at the top.
- **USB-C Port:** Located at the bottom for charging and USB DAC mode.
- **Microphone (MIC):** Small hole near the 3.5mm jack.
- **Multicolor LED Indicator:** Provides status feedback.
- **NFC Area:** Located on the back for one-touch pairing.

5. SETUP

5.1 Charging the Device

Before first use, fully charge the HiBy W3 II. Connect the supplied USB-C cable to the device's USB-C port and the other end to a USB power adapter (not included) or a computer's USB port. The LED indicator will show charging status.



Image 5.1: An illustration showing the battery indicator, representing the 320mAh battery and approximately 10.5 hours of playtime.

5.2 Power On/Off

- **Power On:** Hold the Power button for approximately 2 seconds. The LED will illuminate.
- **Power Off:** Hold the Power button for approximately 3 seconds until the LED turns off.

5.3 Bluetooth Pairing

1. Ensure the device is powered off.
2. Hold the Power button for approximately 3 seconds until the LED flashes rapidly, indicating pairing mode.
3. On your smartphone or other Bluetooth device, search for "HiBy W3 II" in the Bluetooth settings.
4. Select the device to connect. The LED will change to a steady blue light upon successful connection.

5.4 NFC Pairing (One-Touch)

For devices with NFC capability:

1. Ensure NFC is enabled on your smartphone.
2. Touch your smartphone to the NFC icon/area on the HiBy W3 II.
3. Confirm the pairing request on your smartphone. The devices will connect automatically.

Supports NFC One-touch Bluetooth Pairing



Image 5.2: A smartphone being tapped against the HiBy W3 II to initiate NFC one-touch Bluetooth pairing.

6. OPERATING MODES

6.1 Bluetooth Receiver Mode

After successful Bluetooth pairing, connect your wired headphones to the 3.5mm headphone jack of the HiBy W3 II. Audio from your paired device will now be transmitted wirelessly to your headphones through the W3 II.

192kHz Bluetooth Audio Support



Image 6.1: A smartphone displaying music playback, with an arrow pointing to the HiBy W3 II, illustrating 192kHz Bluetooth audio support via UAT codec.

6.2 USB DAC Dongle Mode

Connect the HiBy W3 II to a computer, smartphone, or other compatible device using the USB-C cable. The device will function as an external sound card, bypassing the internal DAC of your source device for improved audio quality.

User Guide



Image 6.2: The HiBy W3 II connected via its USB-C port to a source device, demonstrating its use in USB DAC Dongle Mode.

6.3 Car Mode

When Car Mode is enabled via the HiByBlue app, the W3 II will automatically power on when your car starts and connect to your previously paired smartphone, providing seamless audio integration with your car's system.

Car Mode



Image 6.3: The HiBy W3 II clipped in a car interior, illustrating its functionality in Car Mode for integrated audio playback.

6.4 Phone Calls

- **Take/End Calls:** Tap the Power button.
- **Reject Call:** Hold the Power button for 1 second.

6.5 Music Control

- **Play/Pause:** Tap the Power button.
- **Volume Up:** Short press the Volume + button.
- **Volume Down:** Short press the Volume - button.
- **Next Song:** Long press the Volume + button.
- **Previous Song:** Long press the Volume - button.

6.6 Clear Pairing

To clear all paired Bluetooth devices, press the Volume + and Volume - buttons simultaneously while the device is

powered on.

7. HiByBLUE CONTROLLER APP

The HiByBlue app provides extended control and customization options for your W3 II. Download the app from your device's app store.

App Functions:

- Readout of current sample rate and Bluetooth codec.
- Monitor battery level.
- Adjust Equalizer (EQ) settings.
- Perform firmware updates.
- Enable/disable Car Mode.

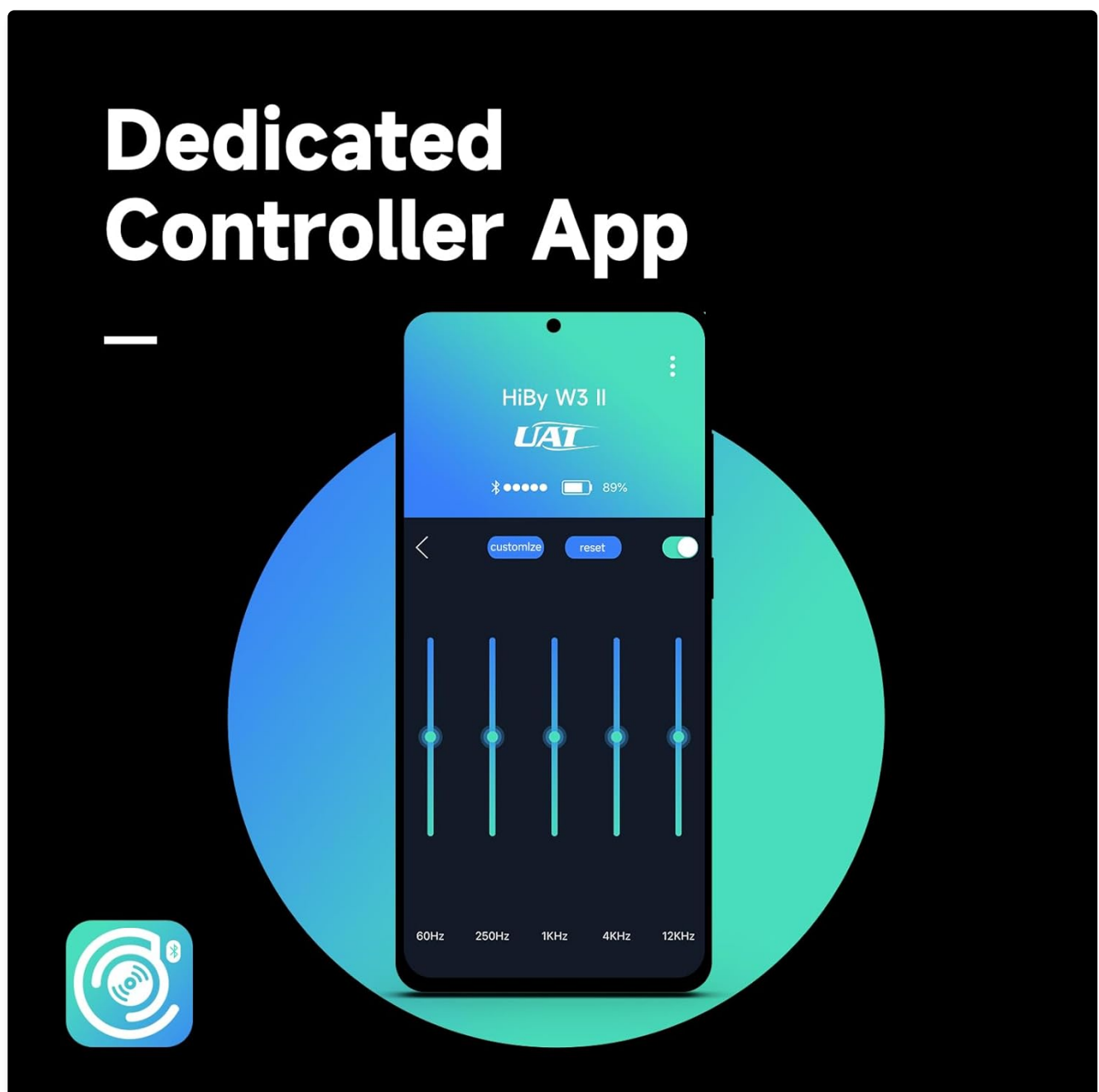


Image 7.1: A smartphone screen displaying the HiByBlue dedicated controller app interface, showing equalizer settings and device status.

8. MAINTENANCE

- Keep the device dry. Avoid exposure to moisture or liquids.
- Clean the device with a soft, dry cloth. Do not use harsh chemicals or abrasive materials.
- Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid dropping or subjecting the device to strong impacts.

9. TROUBLESHOOTING

9.1 No Sound

- Ensure the device is powered on and fully charged.
- Verify that your headphones are properly connected to the 3.5mm jack.
- Check the volume levels on both the HiBy W3 II and your source device.
- Confirm that the HiBy W3 II is successfully paired and connected to your source device via Bluetooth or USB.

9.2 Cannot Pair via Bluetooth

- Ensure the HiBy W3 II is in pairing mode (LED flashing rapidly).
- Disable and re-enable Bluetooth on your source device.
- Move the devices closer to each other to ensure they are within range.
- Clear previous pairing records on both the HiBy W3 II (by pressing Volume + and - simultaneously) and your source device.

9.3 Short Battery Life

- Ensure the device is fully charged before use.
- Battery life can vary based on volume level, audio codec used, and environmental factors.
- If battery life significantly degrades, contact customer support.

10. SPECIFICATIONS

Feature	Specification
Model Number	W3G2-Black
DAC Chip	CS43131
Bluetooth Version	5.2
Supported Bluetooth Codecs	UAT, LDAC, aptX, aptX HD, AAC, SBC
Battery	1 Lithium Ion battery (included)
Approximate Play Time	10.5 hours
Item Weight	3.2 ounces
Package Dimensions	3.78 x 2.64 x 1.61 inches





Manufacturer	HiBy
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11. WARRANTY AND SUPPORT

The HiBy W3 II comes with a standard manufacturer's warranty. For detailed warranty information, please refer to the warranty card included in your package or visit the official HiBy website. For technical support, troubleshooting assistance, or any inquiries regarding your product, please contact HiBy customer service through their official channels.

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Related Documents - W3 II

	<p>HiBy R2 II Portable Digital Audio Player User Guide</p> <p>User guide for the HiBy R2 II portable digital audio player, covering its features, functions, and usage. Learn about supported audio formats, buttons, ports, touch controls, wireless capabilities, firmware updates, and important precautions.</p>
	<p>Přehravač HiBy M300: Uživatelská příručka</p> <p>Komplexní uživatelská příručka pro digitální audio přehravač HiBy M300. Seznamte se s funkcemi, tlačítky, porty, operačním systémem Android 13, připojením Bluetooth a Wi-Fi, aktualizací firmwaru a bezpečnostními upozorněními.</p>
	<p>HiBy R1 Portable Digital Audio Player User Guide</p> <p>User guide for the HiBy R1 portable digital audio player, detailing its features, buttons, ports, audio format support, wireless connectivity, file transfer, firmware upgrades, and important cautions.</p>
	<p>HiBy R5 Resolution Music Player Quick Start Guide</p> <p>Comprehensive quick start guide for the HiBy R5 Resolution Music Player. Learn about its buttons, ports, Android 9 OS, wireless connectivity (WiFi, Bluetooth), firmware updates, DTA audio architecture, factory reset, and using it as a USB DAC. Includes detailed instructions and troubleshooting tips.</p>



[HiBy Music User Manual: Comprehensive Guide to Features and Settings](#)

Detailed user manual for the HiBy Music app, covering features like music import, scanning, equalizer, MSEB, plugins, playback settings, HiBy Link, lyrics display, artwork, and more. Optimized for SEO and accessibility.



[HiBy R3 Pro User Manual: Portable Hi-Fi Lossless Audio Player](#)

User guide for the HiBy R3 Pro, a high-fidelity portable digital audio player supporting a wide range of lossless and lossy audio formats including MQA, DSD, FLAC, and WAV. Learn about its advanced features like WiFi, Bluetooth 5.0, USB DAC functionality, and HiByLink app control.