

HiBy R6III 2025

HiBy R6III 2025 High-Resolution Digital Audio Player

Instruction Manual

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1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient use of your HiBy R6III 2025 High-Resolution Digital Audio Player. Please read this manual thoroughly before operating the device and retain it for future reference. The HiBy R6III 2025 is a portable digital audio player designed for high-fidelity sound reproduction. It features switchable Class A and Class AB headphone amplifiers, a quad-DAC setup, Android 12 operating system, and extensive connectivity options to deliver an exceptional audio experience.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your product package:

- 1 HiBy R6III unit
- 1 protective case
- 1 USB Type-C to Type-C charging cable
- 1 user manual (this document)
- 3 screen protector films

3. PRODUCT OVERVIEW

The HiBy R6III 2025 features a robust design with various ports and controls for optimal user interaction and audio performance.

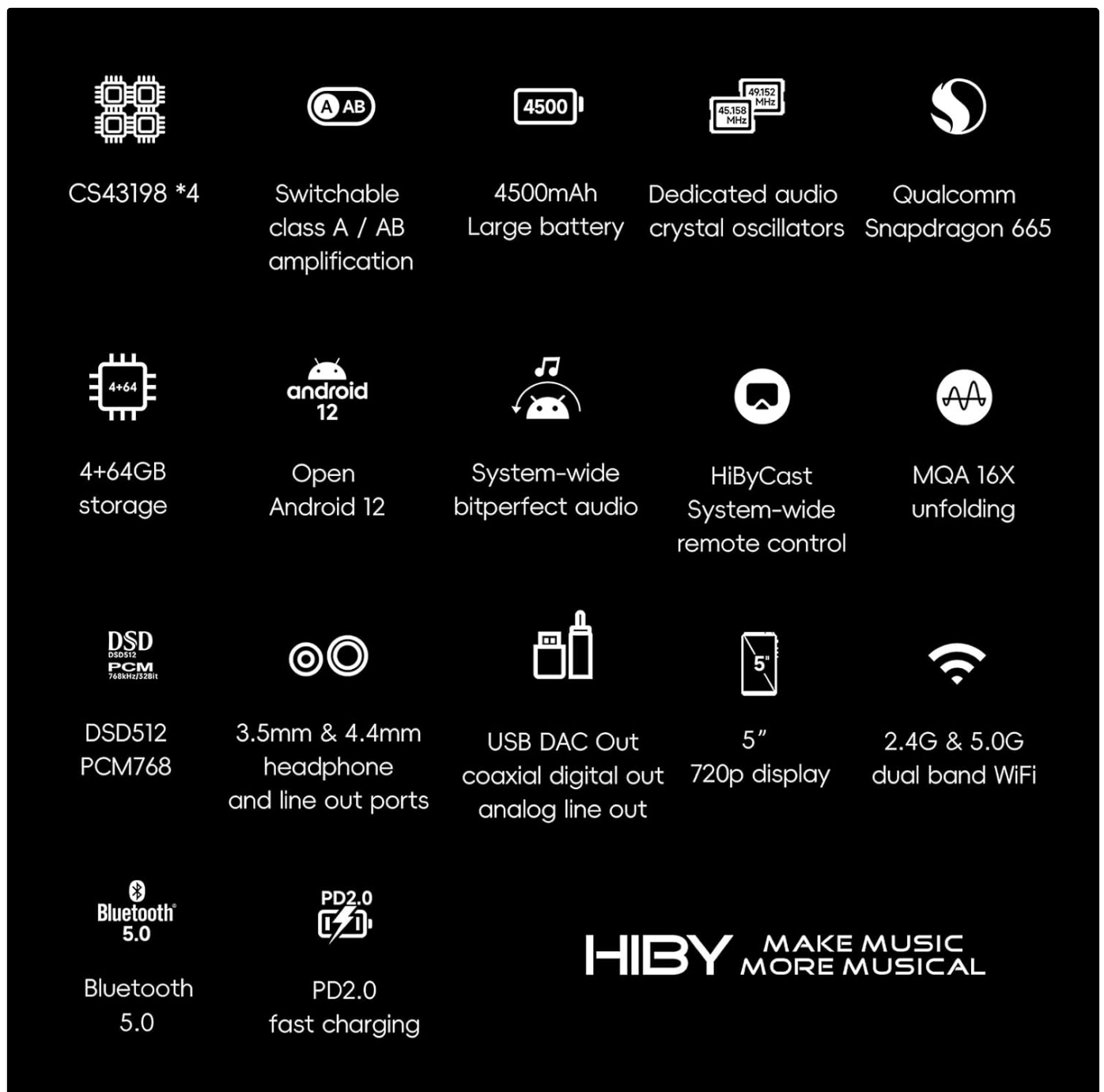


Image 3.1: Overview of the HiBy R6III 2025's key features, including CS43198 DACs, Class A/AB amplification, 4500mAh battery, dedicated audio crystal oscillators, Qualcomm Snapdragon 665 processor, 4+64GB storage, Android 12, system-wide bitperfect audio, HiByCast, MQA 16X unfolding, DSD512/PCM768 support, 3.5mm & 4.4mm headphone/line out ports, USB DAC out, coaxial digital out, analog line out, 5-inch 720p display, 2.4G & 5.0G dual-band WiFi, Bluetooth 5.0, and PD2.0 fast charging.

3.1. Physical Controls and Ports

- **Power Button:** Located on the side, used for powering on/off and screen lock/unlock.
- **Volume Knob:** Top-mounted for precise volume control.
- **Playback Control Buttons:** Side-mounted buttons for play/pause, next track, and previous track.
- **USB Type-C Port:** For charging, data transfer, and USB DAC functionality.
- **3.5mm Headphone Output:** Standard single-ended headphone jack.
- **4.4mm Balanced Headphone Output:** Balanced headphone jack for enhanced audio performance.
- **Line Outputs:** Dedicated 3.5mm and 4.4mm line outputs for connecting to external amplifiers.
- **Micro SD Card Slot:** For expandable storage up to 2TB.

Porte cuffie e line out da 3,5 mm e 4,4 mm



Image 3.2: Close-up view of the HiBy R6III 2025's audio output ports, showing the 3.5mm and 4.4mm headphone and line out connections.

4. SETUP

4.1. Charging the Device

Before first use, fully charge the HiBy R6III 2025. Connect the provided USB Type-C cable to the device's USB-C port and the other end to a compatible USB power adapter (not included) or a computer's USB port. The device supports PD2.0 fast charging. A full charge typically takes several hours.

- The battery indicator on the screen will show charging status.
- Average battery life is approximately 13 hours, depending on usage.

4.2. Powering On/Off

- **To Power On:** Press and hold the Power button on the side of the device until the screen lights up.
- **To Power Off:** Press and hold the Power button until a power-off menu appears on the screen. Select "Power off" to

shut down the device.

- **Screen Lock/Unlock:** Briefly press the Power button to lock or unlock the screen.

4.3. Initial Configuration

Upon first power-on, you will be guided through the initial Android 12 setup process. Follow the on-screen prompts to configure language, Wi-Fi, and other basic settings.



Image 4.1: The HiBy R6III 2025 running Open Android 12, showing device information and settings, including CPU (Snapdragon 665), DAC (CS43198 x 4), RAM (4.0 GB), ROM (64.0 GB), Battery Capacity (4500.0 mAh), and Amplifier Type (Class_AB).

4.4. Storage Management

The device comes with 64GB of internal storage. You can expand this by inserting a Micro SDXC card into the dedicated slot. The device supports up to 2TB expandable memory.

- Ensure the device is powered off before inserting or removing a Micro SD card.
- Gently push the Micro SD card into the slot until it clicks into place.

5. OPERATING INSTRUCTIONS

5.1. Basic Navigation

The HiBy R6III 2025 operates on Android 12, providing a familiar touchscreen interface. Navigate through menus and applications by tapping, swiping, and pinching on the 5-inch LCD or LED display.

5.2. Audio Playback

The device supports a wide range of audio formats including MP3, AAC, FLAC, WAV, DSD (up to DSD512 native), and PCM (up to 768 kHz). It also supports MQA 16x unfolding for master quality audio.



Image 5.1: Visual representation of the four CS43198 DACs, highlighting the device's high-quality audio processing capabilities.

Opzione amplificatore cuffie Classe A



Image 5.2: Illustration of the Class A amplifier option, indicating the device's ability to drive demanding headphones with high fidelity.

MQA 16X



Image 5.3: The HiBy R6III 2025 supports MQA 16X unfolding, allowing for playback of master quality authenticated audio files.

5.2.1. Amplifier Modes

The R6III 2025 features switchable Class A and Class AB amplification. You can select the desired amplifier mode through the device settings to optimize audio performance for different headphones and listening preferences.

- **Class A:** Provides a warmer, more detailed sound, ideal for critical listening. May consume more power.
- **Class AB:** Offers a balance of power efficiency and sound quality, suitable for general use.

5.3. Connectivity

The device offers versatile connectivity options:

- **Bluetooth 5.0:** Supports high-quality codecs including LDAC, aptX, aptX HD, SBC, and AAC for wireless audio streaming to compatible headphones or speakers.
- **Wi-Fi:** Supports 2.4 GHz and 5 GHz bands with speeds up to 433 Mbps for streaming music services and firmware updates.

- **USB DAC Functionality:** Connect the R6III 2025 to a computer via USB-C to use it as an external DAC.
- **Coaxial Digital Output:** For connecting to external DACs or audio systems via a coaxial cable.
- **Analog Line Output:** Dedicated line outputs (3.5mm and 4.4mm) for connecting to external amplifiers or active speakers.

5.4. App Installation

Running on Open Android 12, the HiBy R6III 2025 allows for the installation of third-party applications. You can download and install streaming apps, music players, and other utilities from the Google Play Store or other trusted sources.



Image 5.4: The Qualcomm Snapdragon 665 processor ensures smooth operation and responsiveness for the Android 12 system and applications.

5.5. HiByCast Remote Control

Utilize the HiByCast feature for system-wide remote control of your R6III 2025 from another device, such as a smartphone. Refer to the HiByCast application instructions for pairing and usage.

6. MAINTENANCE

6.1. Cleaning

Wipe the device with a soft, dry, lint-free cloth. Do not use abrasive cleaners, solvents, or aerosol sprays. Avoid getting moisture into openings.

6.2. Battery Care

- Avoid exposing the device to extreme temperatures (hot or cold) as this can degrade battery performance.
- For long-term storage, charge the battery to approximately 50% and store the device in a cool, dry place.
- Do not attempt to replace the battery yourself. Contact authorized service personnel for battery replacement.

6.3. Software Updates

Periodically check for firmware updates to ensure optimal performance and access to new features. Updates can typically be found in the device's settings menu under "System Updates" or on the official HiBy website.

7. TROUBLESHOOTING

If you encounter issues with your HiBy R6III 2025, refer to the following common solutions:

Problem	Possible Solution
Device does not power on.	Ensure the device is fully charged. Connect to a power source and try again. If unresponsive, perform a hard reset by holding the power button for 10-15 seconds.
No sound output.	Check headphone connections. Ensure volume is not muted or too low. Verify correct output selected in settings. Test with different headphones.
Bluetooth connectivity issues.	Ensure Bluetooth is enabled on both devices. Unpair and re-pair the devices. Move closer to the connected device. Restart both devices.
Wi-Fi connection unstable.	Check Wi-Fi signal strength. Restart your Wi-Fi router. Forget and reconnect to the Wi-Fi network on the device.
Slow performance or app crashes.	Close unnecessary background applications. Clear cache of problematic apps. Restart the device. Consider a factory reset if issues persist (back up data first).
Micro SD card not recognized.	Ensure the card is inserted correctly. Try reinserting the card. Test with a different compatible Micro SD card. Format the card if necessary (this will erase all data).

8. SPECIFICATIONS

Below are the technical specifications for the HiBy R6III 2025 Digital Audio Player:

Feature	Detail
Model Name	R6III 2025
Brand	HiBy

Feature	Detail
Operating System	Android 12
Processor	Qualcomm Snapdragon 665
RAM	4 GB
Internal Storage (ROM)	64 GB
Expandable Storage	Micro SDXC, up to 2 TB
DAC Chipset	4x Cirrus Logic CS43198
Amplifier Type	Switchable Class A and Class AB
Supported Audio Formats	MP3, AAC, FLAC, WAV, DSD (up to DSD512 native), PCM (up to 768 kHz), MQA 16x
Bluetooth Version	5.0 (LDAC, aptX, aptX HD, SBC, AAC)
Wi-Fi	2.4 GHz & 5 GHz (up to 433 Mbps)
Screen Size	12.7 Centimeters (5 inches)
Screen Technology	LCD or LED
Headphone Outputs	3.5mm (single-ended), 4.4mm (balanced)
Line Outputs	3.5mm, 4.4mm
Digital Outputs	USB Digital Audio, Coaxial Digital
Battery Capacity	4500 mAh
Average Battery Life	13 Hours
Charging Port	USB Type-C (PD2.0 Fast Charging)
Color	Silver
UPC	717352340769

9. WARRANTY AND SUPPORT

The HiBy R6III 2025 comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official HiBy website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact HiBy customer support through their official website or the contact information provided in your warranty documentation.

Official HiBy Website: www.hiby.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question