HiBy HIBYR6G3

HiBy R6 gen3 DAP Player User Manual

Model: HIBYR6G3

Introduction

Thank you for choosing the HiBy R6 gen3 Digital Audio Player. This manual provides essential information for setting up, operating, and maintaining your device. Please read it thoroughly to ensure optimal performance and longevity of your player. The HiBy R6 gen3 is a high-resolution audio player designed for audiophiles, featuring advanced amplification, dual DAC chips, and a versatile Android operating system for an unparalleled portable listening experience.

Safety Information

- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Avoid dropping or subjecting the device to strong impacts.
- Do not disassemble, repair, or modify the device yourself. Refer to authorized service personnel.
- Use only the provided or approved charging cable and power adapter.
- Prolonged listening at high volume levels may cause permanent hearing damage. Adjust volume to a safe level.
- Keep the device away from water and other liquids.

Package Contents

Please check the box for the following items:

- HiBy R6III Player
- Player Case
- Type-C USB Cable
- Instruction Manual (this document)
- Screen Protectors

Product Overview

Familiarize yourself with the components of your HiBy R6 gen3 player.



Figure 1: Front and Back View of the HiBy R6 gen3 Player. Shows the device's display on the front and the HiBy logo and product information on the rear panel.



Figure 2: Top View of the Player. Highlights the knurled volume knob and power button located on the top edge of the device.



Figure 3: Bottom View of the Player. Displays the various audio output ports (3.5mm, 4.4mm balanced, line out) and the USB Type-C port for charging and data transfer.

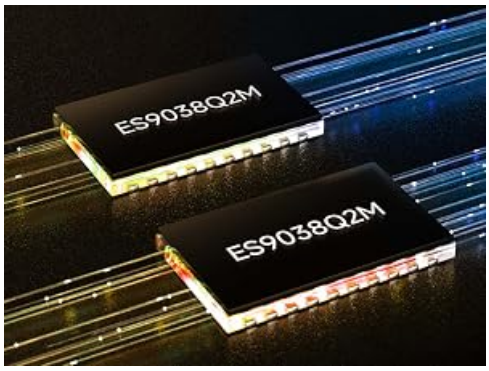


Figure 4: Dual ES9038Q2M DAC Chips. An illustration showing the two digital-to-analog converter chips, indicating their role in high-fidelity audio processing.

Key Features:

- **Amplification:** Features Class A and Class AB headphone amplifiers for robust driving capability and exceptional sound performance, suitable for various headphones.
- **DAC Architecture:** Dual ES9038Q2M DAC chips operating simultaneously for peak performance in both single-ended and balanced outputs. Supports native DSD512, PCM 32bit/768kHz, and MQA 16x.
- **Operating System:** Runs on Android 12 with a Qualcomm Snapdragon 665 processor, 4GB RAM, and 64GB ROM, ensuring smooth operation and app compatibility. Expandable memory up to 2TB via microSD.
- **Connectivity:** Supports Bluetooth 5.0 (LDAC, aptX, aptX HD, SBC, AAC) and dual-band Wi-Fi (2.4GHz/5GHz) for versatile wireless connections.
- **Output Options:** Multiple physical ports including 3.5mm and 4.4mm headphone outputs, line outputs, USB digital audio input/output, and coaxial digital output.

Setup

1. Initial Charging

1. Connect the provided Type-C USB cable to the player's USB-C port.
2. Connect the other end of the cable to a compatible USB power adapter (not included) or a computer's USB port.
3. Allow the device to charge fully before first use. The charging indicator will show the status.

2. Inserting a MicroSD Card (Optional)

The HiBy R6 gen3 supports up to 2TB of expandable memory.

1. Locate the microSD card slot on the side of the player.
2. Gently insert the microSD card into the slot until it clicks into place. Ensure the card is oriented correctly.
3. To remove, gently push the card inward until it springs out.

3. Powering On/Off

- **To Power On:** Press and hold the Power button (located near the volume knob) until the HiBy logo appears on the screen.
- **To Power Off:** Press and hold the Power button until a power-off menu appears. Select "Power off" to shut down the device.
- **To Restart:** From the power-off menu, select "Restart".
- **Screen On/Off:** Briefly press the Power button to turn the screen on or off.

4. Initial Setup Wizard

Upon first power-on, the device will guide you through an initial setup process:

- Select your preferred language.
- Connect to a Wi-Fi network for internet access and system updates.
- Follow on-screen prompts to complete the setup.

Operating Instructions

1. Basic Navigation

- The HiBy R6 gen3 operates on Android 12, similar to a smartphone. Use touch gestures (tap, swipe, pinch) to navigate the interface.
- Swipe down from the top of the screen to access the notification panel and quick settings.
- Use the physical buttons on the side for volume control and track navigation (Next/Previous).

2. Playing Music

The HiBy Music app is pre-installed for local music playback and advanced audio settings.

- **Local Files:** Transfer music files to the internal storage or microSD card via USB connection to a computer. Open the HiBy Music app to scan and play your library.
- **Streaming Services:** Download and install your preferred streaming apps (e.g., Amazon Music, Tidal, Qobuz, Spotify) from the Google Play Store.



Figure 5: Music Playback Interface. The screen displays the HiBy Music app with album art, track information, and playback controls.

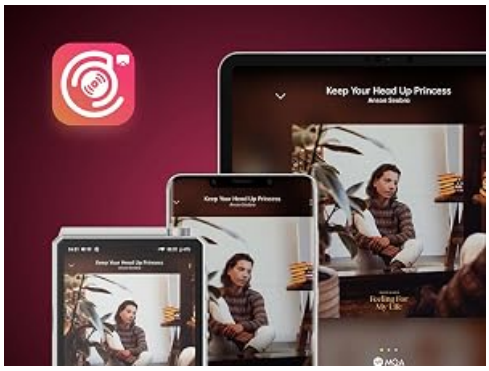


Figure 6: HiBy Music App. Illustrates the user interface of the HiBy Music application, which is central to managing and playing audio on the device.

3. Audio Output Modes

The HiBy R6 gen3 offers various output options:

- **Headphone Out (PO):** Use the 3.5mm or 4.4mm balanced ports for direct headphone connection.
- **Line Out (LO):** Dedicated 3.5mm or 4.4mm balanced line out ports for connecting to external amplifiers or active speakers.
- **USB Digital Audio:** Connect to a USB DAC or use the R6 gen3 as a USB DAC for your computer.
- **Coaxial Digital Output:** For connecting to external DACs or audio systems via coaxial cable.

4. Bluetooth and Wi-Fi Connectivity

- **Bluetooth:** Go to Settings > Connected devices > Bluetooth to pair with Bluetooth headphones or speakers. Supports high-quality codecs like LDAC and aptX HD.
- **Wi-Fi:** Go to Settings > Network & internet > Wi-Fi to connect to wireless networks for streaming, app downloads, and firmware updates.



Figure 7: Wireless Connectivity. Depicts the device's capability for Bluetooth and Wi-Fi connections, essential for modern audio streaming and device interaction.

5. Amplifier Modes (Class A / Class AB)

The R6 gen3 allows you to switch between amplifier modes:

- **Class A:** Provides constant peak output power, high drive ability, and fast response for superior sound quality, ideal for demanding headphones. Note: This mode consumes more power and generates more heat.
- **Class AB:** An efficient amplification mode that balances driving power, sound quality, and battery life, suitable for everyday listening.
- Switch between modes via the quick settings panel or within the HiBy Music app settings.



Figure 8: Amplifier Modes. Explains the characteristics of Class A and Class AB amplification modes, detailing their performance and power consumption differences.

Maintenance

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the device. For stubborn smudges, slightly dampen the cloth with water. Avoid harsh chemicals or abrasive materials.
- **Storage:** Store the player in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, charge the battery to about 50% to preserve its lifespan.
- **Battery Care:** Avoid fully discharging the battery frequently. For optimal battery health, try to keep the charge between 20% and 80%.
- **Software Updates:** Regularly check for and install firmware updates to ensure optimal performance, new features, and bug fixes. Updates can usually be found in the device's settings under "System" or "About device".

Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low battery; system crash.	Charge the device for at least 30 minutes. Perform a forced restart by holding the Power button for 10-15 seconds.
No sound output.	Volume too low; incorrect output selected; faulty headphones/cable.	Increase volume. Check if headphones are properly connected. Verify output settings in quick settings or HiBy Music app. Test with different headphones.
Wi-Fi/Bluetooth connection issues.	Out of range; interference; incorrect password; software glitch.	Ensure device is within range. Restart Wi-Fi/Bluetooth on the player. Forget and re-pair Bluetooth devices. Restart router/access point.
Apps crashing or slow performance.	Too many apps running; low storage; outdated software.	Close background apps. Clear app caches. Free up storage space. Check for system updates. Restart the device.
MicroSD card not recognized.	Card not inserted correctly; incompatible format; faulty card.	Reinsert the card. Ensure it is formatted to a compatible file system (e.g., FAT32, exFAT). Test with another microSD card.

SPECIFICATIONS

Feature	Detail
Model Name	HIBYR6G3
Operating System	Android 12
Processor	Qualcomm Snapdragon 665
RAM	4GB
Internal Storage	64GB
Expandable Memory	Up to 2TB via Micro SD card
DAC Chips	Dual ES9038Q2M
Amplifier Type	Class A and Class AB
Max Audio Resolution	Native DSD512, PCM 32bit/768kHz, MQA 16x
Display	5-inch AMOLED
Bluetooth	Bluetooth 5.0 (LDAC, aptX, aptX HD, SBC, AAC)
Wi-Fi	2.4GHz and 5GHz (up to 433Mbps)
Connectivity Ports	3.5mm Headphone Out (PO), 4.4mm Balanced Headphone Out (PO), 3.5mm Line Out (LO), 4.4mm Balanced Line Out (LO), USB Type-C, Coaxial Digital Out
Battery	1 Lithium Ion battery (included)

Feature	Detail
Item Weight	1.21 pounds
Dimensions	8.66 x 5.12 x 2.17 inches (Package Dimensions)



Figure 9: Estimated Playtime. A table illustrating approximate battery life based on output type (3.5mm PO, 4.4mm BAL) and amplifier mode (Class A, Class AB).

Warranty and Support

HiBy products come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package or visit the official HiBy website.
For technical support, troubleshooting assistance, or service inquiries, please contact HiBy Customer Service. You can find contact information on the official HiBy website or through the retailer where you purchased the product.
Online Resources:

- HiBy Official Website: www.hiby.com
- HiBy Store on Amazon: HiBy Store

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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.

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