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› HiBy /

› HiBy R6III 2025 DAP Player Hi Res Audio MP3 Player with Class A&AB Amp/Android 12/Bluetooth 5.0/WiFi/64G+2TB Expandable Memory R6III2025-BK User Manual

HiBy R6III

HiBy R6III 2025 DAP Player User Manual

Model: R6III2025-BK

1. INTRODUCTION

Thank you for choosing the HiBy R6III 2025 Digital Audio Player. This device is designed to provide an exceptional high-fidelity audio experience with advanced features and a user-friendly Android interface. This manual will guide you through the setup, operation, and maintenance of your new HiBy R6III 2025 to ensure optimal performance and enjoyment.



Figure 1.1: HiBy R6III 2025 Digital Audio Player

The HiBy R6III 2025 DAP Player in black, showcasing its sleek design and vibrant display with music playback interface.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Dual Amplification Modes:** Features switchable Class A and Class AB headphone amplifiers for versatile sound performance and robust driving capability.

- **Advanced DAC Architecture:** Equipped with four Cirrus Logic CS43198 flagship DACs for 8-channel monoblock output, supporting DSD512 native, PCM 768kHz, and MQA 16x playback.
- **Powerful Performance:** Runs on Android 12 with a Qualcomm Snapdragon 665 processor, 4GB RAM, and 64GB ROM, ensuring smooth operation and app compatibility.
- **Extensive Connectivity:** Supports Bluetooth 5.0 (LDAC, aptX, aptX HD, SBC, AAC) and dual-band Wi-Fi (2.4GHz/5GHz).
- **Multiple Audio Outputs:** Includes 3.5mm and 4.4mm headphone outputs, dedicated line outputs, USB digital audio input/output, and coaxial digital output.
- **Expandable Storage:** Internal 64GB storage expandable up to 2TB via microSD card.

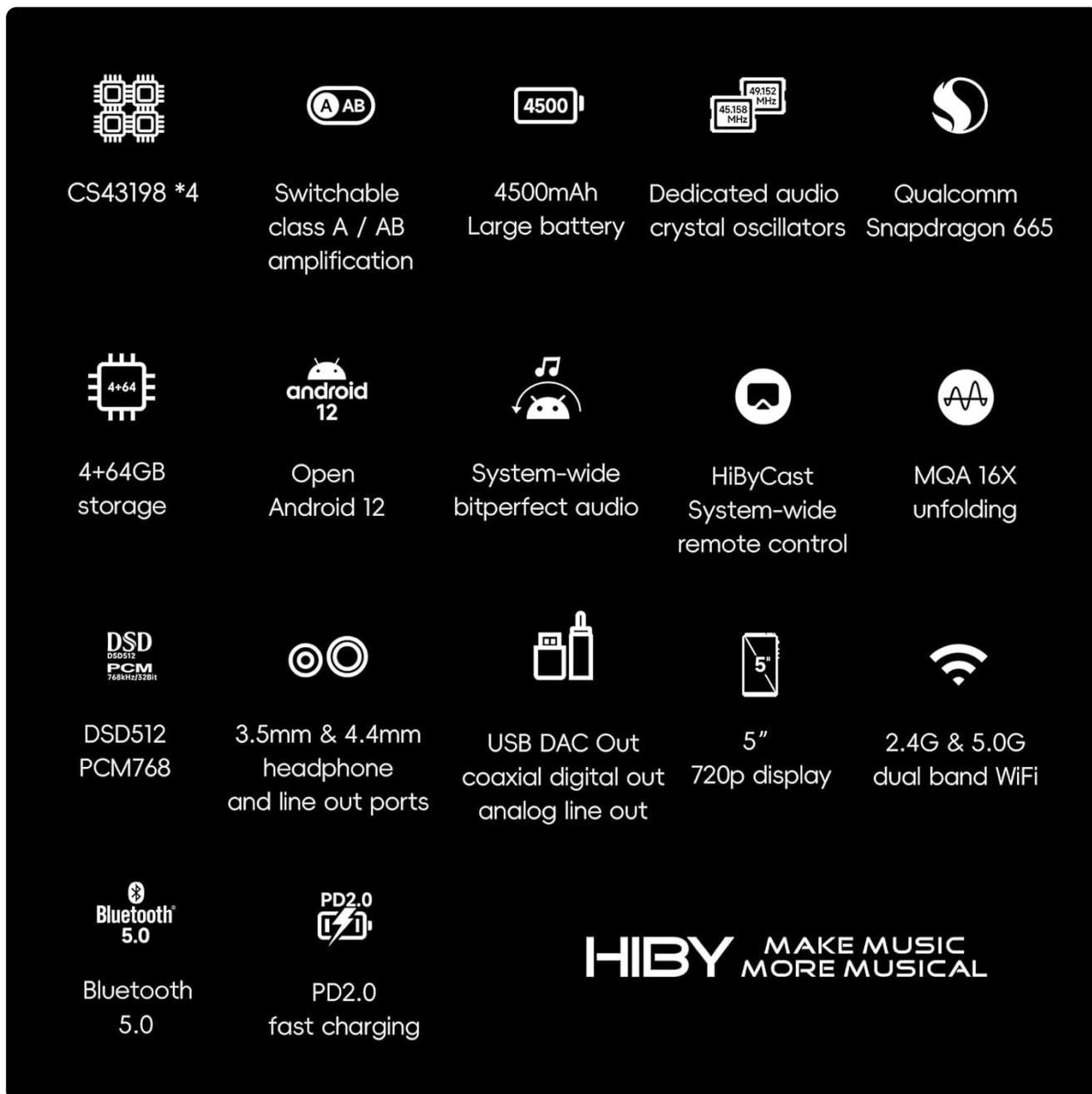


Figure 2.1: HiBy R6III 2025 Key Features Overview

An illustrative diagram highlighting the core specifications and capabilities of the HiBy R6III 2025, including its DACs, amplification, battery, storage, and connectivity.

2.2 Package Contents

Upon unboxing, please verify that all items listed below are present:

- HiBy R6III unit x 1

- Protective case x 1
- Type-C to Type-C charging cable x 1
- User manual x 1
- Screen protectors x 3

2.3 Device Layout

Familiarize yourself with the physical components and ports of your HiBy R6III 2025:

- **Front:** 5-inch touchscreen display.
- **Top:** Volume wheel/power button.
- **Bottom:** 3.5mm headphone output (PO), 4.4mm balanced headphone output (BAL), USB Type-C port (for charging, data transfer, USB DAC), Line Out (LO).
- **Sides:** Play/Pause, Previous Track, Next Track buttons, MicroSD card slot.



Figure 2.2: HiBy R6III 2025 Connectivity Ports

A detailed view of the bottom of the HiBy R6III 2025, showing the 3.5mm and 4.4mm headphone outputs, USB Type-C port, and line out ports.

3. SETUP

3.1 Initial Charging

Before first use, fully charge your HiBy R6III 2025. Connect the provided 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 charging indicator will show progress, and the device will indicate full charge on the screen.

3.2 Powering On/Off

- **Power On:** Press and hold the power button (usually integrated with the volume wheel) for a few seconds until the HiBy logo appears.
- **Power Off:** Press and hold the power button until a power-off menu appears on the screen. Select 'Power Off'.
- **Restart:** From the power-off menu, select 'Restart'.
- **Force Restart:** If the device becomes unresponsive, press and hold the power button and the 'Next Track' button simultaneously for approximately 10-15 seconds until the device restarts.

3.3 Initial Configuration

Upon first power-on, you will be guided through the initial setup process:

1. **Language Selection:** Choose your preferred language (e.g., English).
2. **Wi-Fi Connection:** Connect to a Wi-Fi network to enable internet access for updates, app downloads, and streaming services.
3. **Google Account:** Sign in with your Google account to access the Google Play Store and other Google services.
4. **System Updates:** Check for and install any available system updates to ensure your device has the latest features and bug fixes.

3.4 Inserting a MicroSD Card

To expand storage for your music library:

1. Locate the microSD card slot on the side of the device.
2. Gently insert the microSD card into the slot until it clicks into place.
3. The device will recognize the card, and you may be prompted to format it for optimal use with the player. Follow the on-screen instructions.

4. OPERATING INSTRUCTIONS

4.1 Navigation

The HiBy R6III 2025 operates primarily via its touchscreen. Swipe, tap, and pinch gestures are used for navigation. Physical buttons control playback and volume.

4.2 Basic Music Playback

Use the pre-installed HiBy Music app or other downloaded music players to manage and play your audio files.

1. Open your preferred music player application.
2. Browse your music library (internal storage or microSD card).
3. Tap on a song or album to begin playback.
4. Use the on-screen controls or physical buttons (Play/Pause, Previous, Next) to manage playback.

4.3 Amplifier Mode Selection

The HiBy R6III 2025 offers switchable Class A and Class AB amplification modes. Class A provides higher fidelity and driving power, while Class AB offers better power efficiency and battery life.

- Access the amplifier settings through the device's system settings or a quick toggle in the notification shade.
- Select either 'Class A' or 'Class AB' based on your listening preference and headphone requirements.

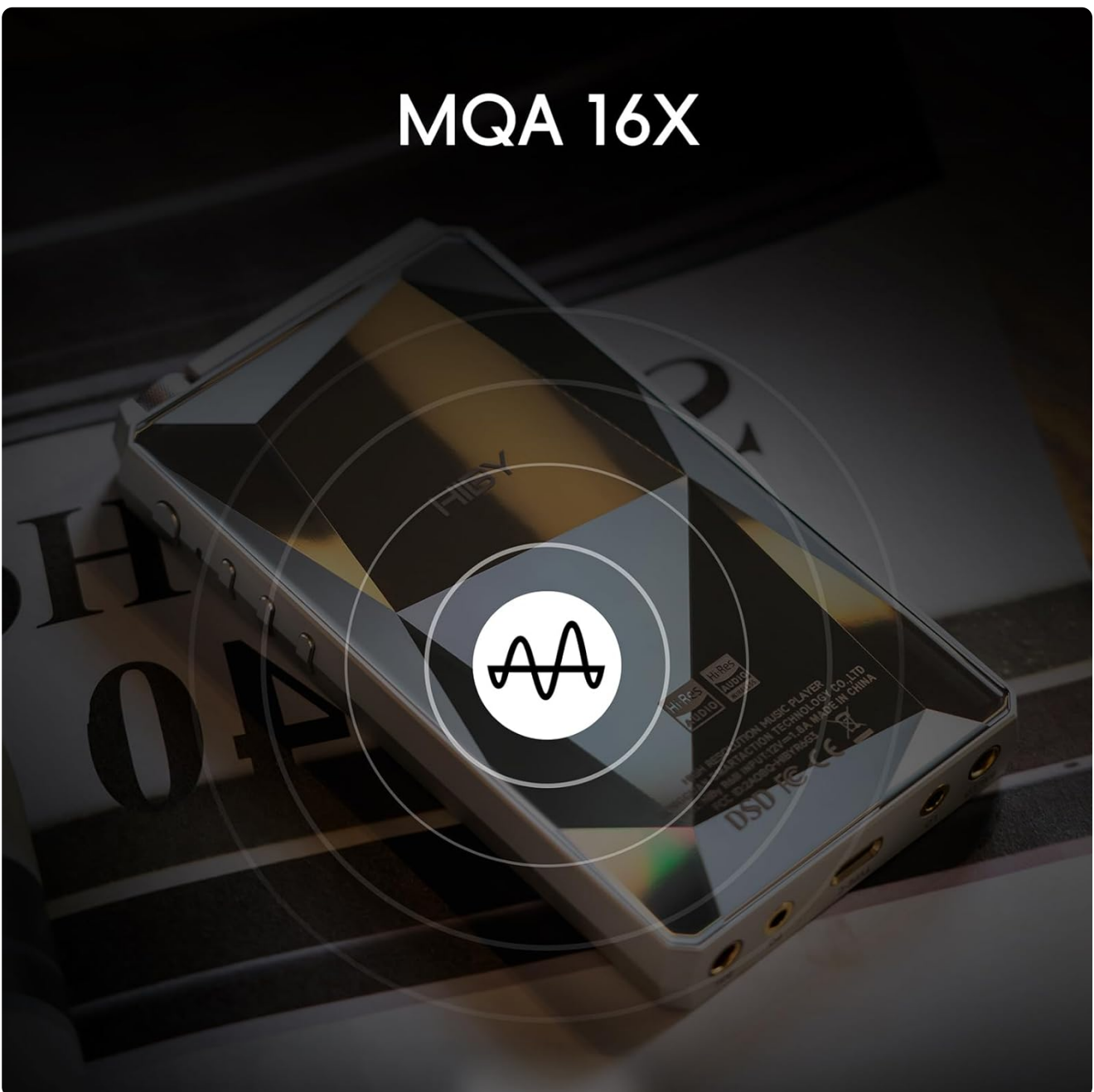


Figure 4.1: Class A Headphone Amplifier Option

An artistic rendering highlighting the internal components associated with the Class A amplification mode, emphasizing its high-fidelity design.

4.4 Volume Control

Adjust the volume using the physical volume wheel located on the top of the device. Rotate clockwise to increase volume and counter-clockwise to decrease.

5. CONNECTIVITY

5.1 Wi-Fi Connection

To connect to a Wi-Fi network:

1. Go to **Settings > Network & internet > Wi-Fi**.
2. Turn on Wi-Fi.
3. Select your desired network from the list and enter the password if prompted.

5.2 Bluetooth Pairing

To pair with Bluetooth headphones or speakers:

1. Ensure your Bluetooth device is in pairing mode.
2. On the HiBy R6III 2025, go to **Settings > Connected devices > Bluetooth**.
3. Turn on Bluetooth.
4. Select your device from the list of available devices to pair. The HiBy R6III 2025 supports high-quality codecs like LDAC, aptX, and aptX HD.

5.3 USB DAC Mode

The HiBy R6III 2025 can function as an external DAC for your computer.

1. Connect the HiBy R6III 2025 to your computer using the provided Type-C cable.
2. On the device, a prompt may appear asking for the USB connection mode. Select 'USB DAC'.
3. Your computer should recognize the HiBy R6III 2025 as an audio output device. Select it in your computer's sound settings.

6. AUDIO PLAYBACK

6.1 Digital-to-Analog Converters (DACs)

The HiBy R6III 2025 utilizes four Cirrus Logic CS43198 DAC chips, configured for an 8-channel monoblock output. This advanced setup ensures high-resolution audio decoding with minimal distortion and excellent dynamic range.

Class A headphone amp option



Figure 6.1: CS43198 DAC Chips

An image depicting the four Cirrus Logic CS43198 DAC chips, central to the HiBy R6III 2025's high-fidelity audio processing.

6.2 Amplification

Choose between Class A and Class AB amplification modes to suit your audio preferences and connected headphones. Class A provides a purer, more powerful signal, ideal for demanding headphones, while Class AB offers a balanced performance with better battery efficiency.

6.3 Supported Audio Formats

The device supports a wide range of high-resolution audio formats, including:

- DSD512 (native playback)
- PCM up to 768kHz
- MQA 16x unfolding
- Standard formats like FLAC, WAV, MP3, AAC, etc.

3.5mm & 4.4mm headphone and line out ports



Figure 6.2: MQA 16X Support

The HiBy R6III 2025 display showing the MQA 16X logo, indicating its capability to fully unfold MQA audio files for master quality sound.

6.4 Headphone Outputs

The HiBy R6III 2025 provides both single-ended and balanced headphone outputs:

- **3.5mm Headphone Output (PO):** Standard single-ended output for most headphones.
- **4.4mm Balanced Headphone Output (BAL):** Provides a balanced audio signal for compatible headphones, often resulting in improved sound quality and power output.

7. STORAGE AND SOFTWARE

7.1 Android 12 Operating System

The HiBy R6III 2025 runs on a customized Android 12 operating system, offering a familiar and intuitive user experience. This open Android system allows for the installation of various third-party applications from the Google Play Store.

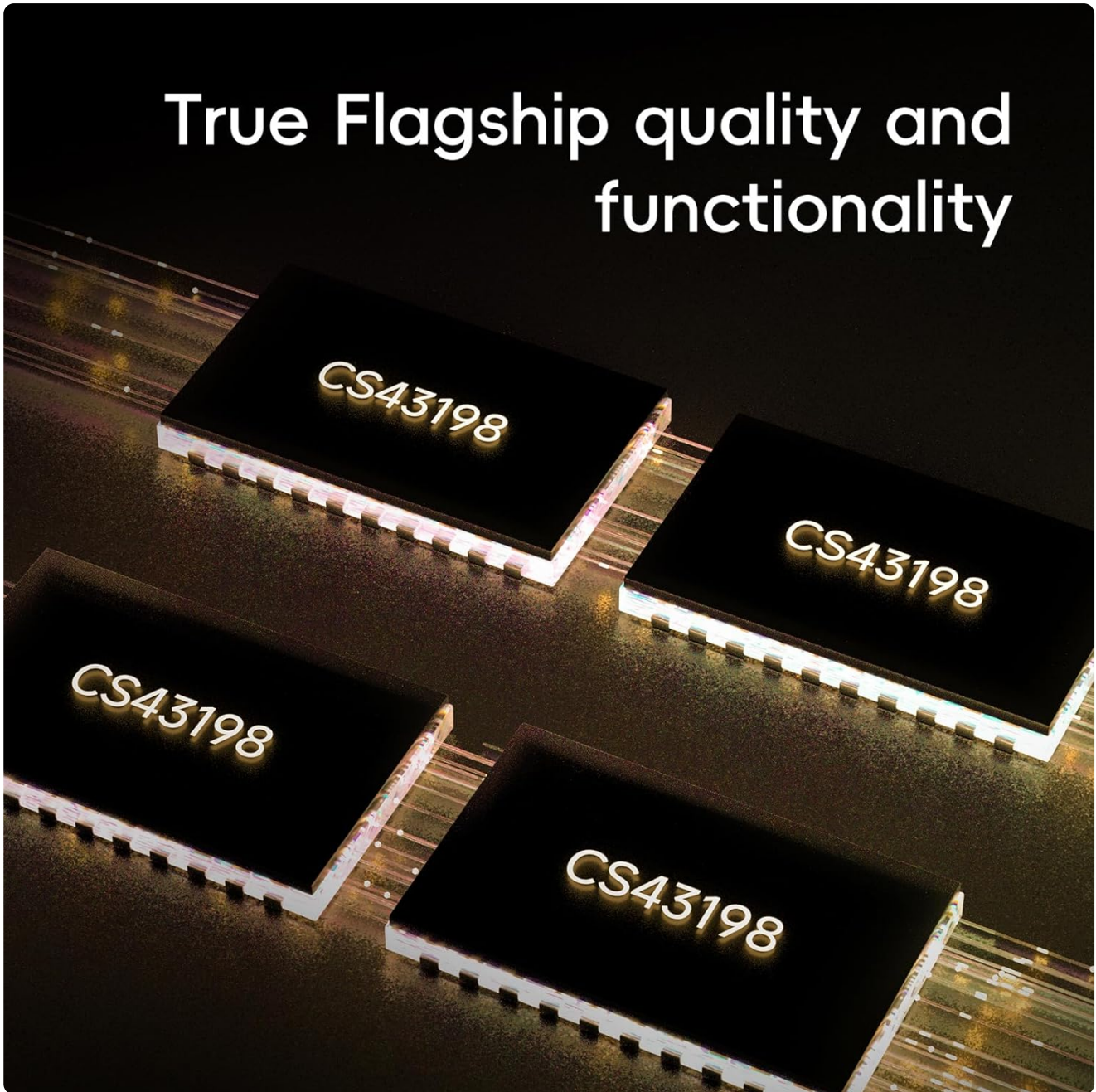


Figure 7.1: Open Android 12 Interface

Screenshots of the HiBy R6III 2025 displaying its Android 12 interface, including settings menus and device information, demonstrating its open and customizable nature.

7.2 Internal and Expandable Storage

The device comes with 64GB of internal storage for your operating system, applications, and music files. For extensive music libraries, the storage can be expanded up to 2TB using a microSD card.

7.3 Installing Third-Party Applications

To install apps like streaming services (e.g., Amazon Music, Tidal, Qobuz) or alternative music players:

1. Ensure the device is connected to Wi-Fi.
2. Open the Google Play Store app.
3. Search for the desired application.

4. Tap 'Install' to download and set up the application.

8. MAINTENANCE

8.1 Cleaning

- Use a soft, lint-free cloth to clean the screen and body of the device.
- For stubborn smudges, slightly dampen the cloth with water or a screen cleaner. Avoid harsh chemicals.
- Keep ports free of dust and debris. Use a soft brush or compressed air if necessary.

8.2 Battery Care

- Avoid fully discharging the battery frequently.
- Do not expose the device to extreme temperatures, as this can degrade battery life.
- If storing the device for an extended period, charge it to around 50-60% before turning it off.

8.3 Software Updates

Regularly check for and install software updates to ensure optimal performance, security, and access to new features. Updates can typically be found in **Settings > System > System update**.

9. TROUBLESHOOTING

This section addresses common issues you might encounter with your HiBy R6III 2025.

Problem	Possible Cause	Solution
Device does not power on.	Low battery; System crash.	Charge the device for at least 30 minutes. Perform a force restart (hold power + Next Track button).
No sound output.	Volume too low; Incorrect output selected; Faulty headphones/cable.	Increase volume. Ensure headphones are properly connected. Check system audio output settings. Test with different headphones.
Wi-Fi connection issues.	Incorrect password; Router issues; Device too far from router.	Re-enter Wi-Fi password. Restart router. Move closer to the Wi-Fi source.
Bluetooth pairing failure.	Device not in pairing mode; Interference.	Ensure Bluetooth device is in pairing mode. Turn Bluetooth off and on again on both devices. Clear previous pairings.
Device is hot during use.	Class A amplification mode; Heavy processing.	This is normal for Class A mode. Switch to Class AB for less heat. Reduce background apps.
MicroSD card not recognized.	Improper insertion; Incompatible format; Faulty card.	Reinsert the card. Try formatting the card on a computer (FAT32 or exFAT). Test with another microSD card.

10. SPECIFICATIONS

Detailed technical specifications for the HiBy R6III 2025 DAP Player:

Feature	Specification
Model Name	R6III
Brand	HiBy
Operating System	Android 12
Processor	Qualcomm Snapdragon 665
RAM	4GB
Internal Storage	64GB
Expandable Memory	Up to 2TB (via SDXC microSD card)
DAC Chips	4 x Cirrus Logic CS43198
Amplifier	Class A & Class AB (Switchable)
Screen Size	5 Inches
Display Technology	LCD or LED (720p resolution)
Connectivity	Bluetooth 5.0 (LDAC, aptX, aptX HD, SBC, AAC), Wi-Fi (2.4GHz & 5GHz), Aux, USB
Headphone Outputs	3.5mm (PO), 4.4mm (BAL), Line Out (LO)
Digital Outputs	USB Digital Audio (Input/Output), Coaxial Digital Output
Battery	1 Lithium Ion battery required (4500mAh)
Fast Charging	PD2.0
Item Weight	1.21 pounds
Dimensions	8.58 x 5.12 x 2.24 inches (Package)

11. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included in your product packaging. HiBy provides customer support for product inquiries, technical assistance, and service requests.

You can typically find support contact information on the official HiBy website or through the retailer where you purchased the device. Please have your product model and serial number ready when contacting support.