

## HiBy HIBYR4

# HiBy R4 MP3 & MP4 Player Instruction Manual

Model: HIBYR4

## 1. INTRODUCTION

Thank you for choosing the HiBy R4 MP3 & MP4 Player. This device is a high-fidelity digital audio player (DAP) designed to deliver exceptional sound quality and versatile media playback. Featuring an Android 12 operating system, advanced audio components, and extensive connectivity options, the HiBy R4 is engineered for an immersive listening experience. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.

## 2. PRODUCT OVERVIEW

### Key Features

- **Powerful Performance:** Equipped with an SD665 octa-core processor and Android 12 for smooth operation.
- **Superior Audio Quality:** Features 4 DAC chips, 2 low-phase noise crystals, 28 high-precision Tantalum capacitors, and an integrated Class A headphone amplifier. Supports DSD 256 native, PCM768kHz/32bit, and MQA 16X unfolding.
- **Versatile Media Playback:** Functions as a Spotify player, Pandora, Amazon Music, Tidal player, and MP4 player for YouTube, Twitter, and more.
- **Expandable Storage:** 3GB RAM, 32GB ROM, and expandable storage up to 2TB via Micro SD card.
- **Advanced Connectivity:** Supports high-definition Bluetooth codecs (UAT\*, LDAC, aptX, aptX HD, AAC, SBC) and dual-band WiFi for app downloads, DLNA, AirPlay, and WiFi song transfer.
- **User-Friendly Design:** Unique exterior design with a 4.7-inch high-definition LCD screen, 4500mAh battery, 3.5mm single-ended and 4.4mm balanced dual interfaces, and physical FN keys.

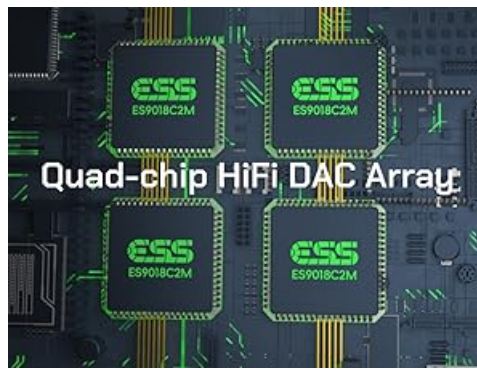


Image: Overview of HiBy R4's seventeen key features, including Cyborg-inspired Industrial Design, Quad-chip HiFi DAC Array, PCM/DSD Dual Customized Conversion Pathways, Qualcomm Snapdragon 665 SoC, 3GB RAM + 32GB ROM, Open Android 12 System, HiBy OS Systemwide Bitperfect Audio, Class A Amplification, Femtosecond-Grade Audio Clock Crystal Oscillators, 4.4mm Balanced + 3.5mm SE, 4.7" large Hi-res Display, 11 Hour Run Time, DSD 256 PCM768kHz/32bit, MQA 16x Unfolding, HiByCast Wireless Remote, Bidirectional Bluetooth audio (send and receive), and User-Defined Function Toggle.

## What's in the Box

- R4 unit \*1
- Type C to Type C charging cable (2.0) \*1
- User manual \*1
- Front screen protector \*2 (1 pre-applied at factory)
- TPU case \*1



Image: The contents of the HiBy R4 packaging, including the R4 player, USB-C cable, user manual, screen protectors, and a TPU case.

## 3. SETUP

### 3.1 Initial Charge

Before first use, fully charge your HiBy R4 using the provided Type C to Type C charging cable and a compatible 20W PD charger. The device features a 4500mAh battery with a charging rate of 20W and PD 2.0 charging protocol, taking approximately 2 hours for a full charge.

### 3.2 Power On/Off

Press and hold the power button located on the side of the device to power on or off. A short press will toggle the screen on/off.

### 3.3 Inserting a Micro SD Card

The HiBy R4 supports expandable memory up to 2TB. Locate the Micro SD card slot on the device and gently insert your card until it clicks into place. Ensure the card is formatted correctly (exFAT is recommended for

large capacities).

### 3.4 Screen Protector and Case

Two front screen protectors are included, with one pre-applied. A TPU case is also provided for protection. Apply the additional screen protector if needed and use the TPU case to safeguard your device.

## 4. OPERATING INSTRUCTIONS

### 4.1 Basic Navigation

The HiBy R4 features a 4.7-inch high-definition LCD touchscreen and physical FN keys for navigation. Swipe and tap on the screen as you would with a smartphone running Android 12. The physical FN keys provide quick access to functions like key lock and screen rotation.



Image: The HiBy R4 displaying its Open Android 12 system interface with various app icons and a music playback screen.

### 4.2 Audio Playback

The HiBy R4 supports a wide range of audio formats, including DSD 256 native, PCM768kHz/32bit, and MQA 16X unfolding. It utilizes system-wide SRC bypass technology to maintain original audio quality. The PCM/DSD dual circuitry allows independent operation of DAC, low-pass filters, and power supplies, optimizing audio output for different music files. The DSD circuitry reduces high-frequency noise for an enhanced auditory experience.

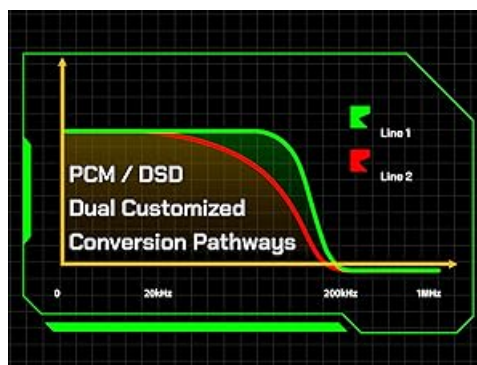


Image: A close-up of the HiBy R4's internal components, highlighting the quad-chip HiFi DAC array and its support for DSD 256, PCM768kHz/32bit, and MQA 16x unfolding.

### 4.3 Bluetooth Connectivity

To connect Bluetooth devices:

1. Go to 'Settings' > 'Bluetooth Settings'.
2. Ensure Bluetooth is 'On'.

3. Select 'Bluetooth Scan' to search for available devices.
4. Choose your desired device from the 'Available Devices' list to pair.

The HiBy R4 supports high-definition Bluetooth codecs: UAT\*, LDAC, aptX, aptX HD, AAC, SBC. \*In noisy environments (e.g., gyms) with signal fluctuations, choose Bluetooth modes like SBC for more stable connection.



Image: The HiBy R4 displaying its Bluetooth connectivity options, showing supported codecs like UAT, LDAC, aptX HD, aptX, AAC, and SBC.

## 4.4 WiFi and Streaming

With dual-band WiFi, the HiBy R4 allows downloading third-party apps from the Google Play Store when connected to a network. It also supports DLNA, AirPlay, and WiFi song transfer for seamless media management and streaming.

## 4.5 Storage Management

The device comes with 32GB of internal storage and 3GB of RAM. You can expand storage up to 2TB by inserting a Micro SD card. Files can be transferred via USB-C (USB2.0 & USB3.2 Gen1, max transfer rate 5Gbps) or WiFi.

## 4.6 Class A Amplification

The integrated Class A headphone amplifier boosts audio resolution and dynamic range, reduces distortion, and ensures clear details and powerful output. When Class A amplification is active, the player runs at full power and may generate some heat. To manage heat, control usage time and close other background applications.

## 4.7 Audio Output Ports

The HiBy R4 offers versatile connectivity with both a 3.5mm single-ended and a 4.4mm balanced dual interface for headphones. It also features a standard Type-C port for charging and data transfer.

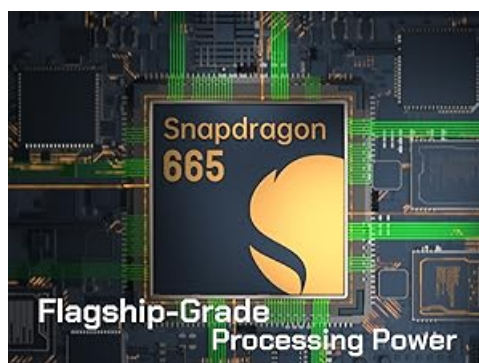


Image: A close-up view of the bottom of the HiBy R4, showing the 4.4mm balanced port, 3.5mm single-ended port, and the standard Type-C port for charging and data transfer.

## 4.8 Official Product Video: HiBy R4 MP3 & MP4 Players

Video: An official product video from HiBy showcasing the R4 MP3 & MP4 player, highlighting its design and features.

## 5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid abrasive materials or harsh chemicals.
- **Screen Care:** The screen is glass and can be susceptible to scratches. Use the provided screen protectors and handle with care.
- **Battery Care:** To prolong battery life, avoid extreme temperatures and do not leave the device fully discharged for extended periods.
- **Firmware Updates:** The device supports OTA (Over-The-Air) automatic firmware upgrades. Ensure your device is connected to WiFi to receive updates.

## 6. TROUBLESHOOTING

- **Device not powering on:** Ensure the device is fully charged. If it still doesn't power on, try connecting it to a different charger or USB port.
- **Bluetooth connectivity issues:** If experiencing signal fluctuations in noisy environments, try switching to Bluetooth modes like SBC. Ensure the device is within range of the Bluetooth accessory.
- **Screen scratches:** The screen is noted to be susceptible to scratches. Always use a screen protector and handle the device carefully.
- **Battery not charging:** Try using a different USB-C cable and a compatible 20W PD charger. If the issue persists, contact customer support.
- **Scroll wheel responsiveness:** The mechanical scroll wheel may require a specific technique. Practice scrolling to get used to its tactile feedback and movement.

## 7. SPECIFICATIONS

Category	Specification
Model	HiBy R4
Operating System	Android 12
SoC	Snapdragon 665
DAC	ES9018C2M * 4
Amplifier Components	OPA1652 * 4 & OPA1612 * 2
Supported Audio Formats	DSD 256, PCM768kHz/32bit, MQA 16x Unfolding
RAM	3GB
Internal Storage	32GB
Expandable Memory	Up to 2TB (requires insertion of micro SD card)
Display Size	4.7 Inches

Category	Specification
Display Resolution	720*1280
Battery Capacity	4500mAh/3.8V
Charging Rate	20W
Charging Protocol	PD 2.0
Charging Time	Approx. 2 hours (via 20W PD charger)
Bluetooth	Bluetooth 5.0 (UAT, LDAC, aptX, aptX HD, AAC, SBC)
WiFi	Supports 2.4GHz / 5GHz
USB	USB2.0 & USB3.2 Gen1, Maximum Transfer Rate 5Gbps
Chassis Material	Aluminium Alloy
Outer Dimensions	129.6*68.3*18.5mm
Weight	231g



Image: A detailed table outlining the hardware specifications of the HiBy R4, including general, display, storage, battery, and miscellaneous features.

## 8. WARRANTY AND SUPPORT

The HiBy R4 is manufactured by HiBy. For any product-related inquiries or support, please contact the manufacturer directly. Protection plans are available for purchase to extend coverage beyond the standard warranty:

- **2-Year Protection Plan:** Available for \$24.99.
- **3-Year Protection Plan:** Available for \$33.99.
- **Complete Protect:** A monthly plan covering eligible past and future purchases for \$16.99/month.

Please refer to the specific terms and conditions of each protection plan for full details.