

Hoder Audio

Arieta Duo



Bluetooth Volume Controller User Manual



HODER AUDIO



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Disclaimer & Revision Statement

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Part 1 Safety Instructions



Mandatory Notice: Please fully read all contents of this chapter before installation, power-on and operation of the device. Failure to comply with safety specifications may cause equipment failure, personal injury and potential safety hazards. Please keep this manual properly for future reference.

Warning

To reduce the risk of electric shock, equipment damage and fire, there are no user-serviceable or detachable parts inside the device. Unauthorized disassembly or modification of the device shell is prohibited. All maintenance work must be performed by brand-authorized professional technicians.

1.1 Basic Safety



Moisture Protection: This device is not waterproof. Do not use it in humid, water-adjacent or rainy environments. Do not place liquid containers on or around the device to prevent liquid penetration and equipment failure.



Heat & Fire Prevention: Do not place the device near heat sources such as radiators, heating equipment, stoves and power amplifiers. No open flames are allowed around the device during operation and standby to avoid fire risks.



Child Safety Protection: This product is professional audio equipment, not a toy. Please place the device, cables and accessories out of children's reach to prevent equipment damage or personal injury caused by cable pulling or foreign object insertion.

1.2 Usage & Maintenance Specifications

Daily Operation Requirements: Device installation, commissioning and operation must strictly follow the specifications in this manual. Unauthorized improper operation is prohibited. Please retain the manual for long-term equipment usage and maintenance reference.

Cleaning Specifications: Disconnect all power and external connecting cables completely before cleaning the device. Only wipe the device surface with a dry, dust-free soft cloth. Never use alcohol, organic solvents, abrasive cleaners or liquid cleaners to avoid corrosion of the shell and internal circuits.

Placement & Heat Dissipation Requirements: This desktop professional audio device shall be placed on a flat, stable and clean tabletop. Do not place it in enclosed cabinets or narrow confined spaces. Sufficient heat dissipation space shall be reserved around the device for natural heat dissipation via the metal shell. Do not stack heavy objects or other heating equipment on top of the



Power & Cable Protection: Arrange power and signal cables properly to avoid trampling, extrusion, excessive bending and strong pulling, especially protecting interface connection parts. Disconnect all power and external cables during thunderstorm weather or when the device is not in use for a long time.

Accessory Specifications: Only use original or officially certified accessories, connecting cables and power supply equipment. Non-compliant third-party accessories may cause abnormal operation, performance degradation or even equipment damage.

1.3 Repair & Warranty Instructions

There are no user-replaceable or serviceable parts inside the device. Unauthorized disassembly, modification or repair by non-professionals is strictly prohibited. If the device encounters problems such as damaged cables, liquid penetration, foreign object entry, moisture damage, drop failure or failure to power on, please contact official after-sales service or authorized professional technicians for maintenance. Unauthorized disassembly or modification will void the product warranty and may cause potential safety hazards.

Part 2 Device Structure & Function Description

2.1 Body Process & Physical Parameters

Product Overview: The Hoder Audio Arieta Duo is a professional desktop dual-channel Bluetooth volume monitoring controller. It integrates dual independent Bluetooth wireless reception, wired AUX analog input, high-precision volume adjustment, spectrum visualization display and professional balanced audio output. It supports standby pairing and free switching of two Bluetooth devices, with precision digital encoding volume adjustment and channel volume memory functions. Designed for desktop audio monitoring, home audio-visual and small professional audio systems, it balances portability, pure sound quality and operational practicality.

Body Material: The whole device adopts high-quality full aluminum alloy shell, featuring sturdy and durable structure and excellent electromagnetic shielding performance, which can effectively avoid external signal interference.

Button Configuration: Front panel functional buttons are made of high-quality silica gel with clear pressing feedback, comfortable hand feel and high wear resistance for long-term stable use.

Dimension & Weight Specifications

Body Size (L×W×H): 110×120×75mm (including antenna structure)
Net Weight: 434g

Dual Bluetooth Connection Instructions:

The device supports simultaneous connection of two independent Bluetooth audio devices. After power-on, it automatically generates two independent Bluetooth search names: Hoder-BTA and Hoder-BT-B. The two Bluetooth channels are mutually independent, allowing separate pairing with two different Bluetooth audio devices. Users can freely switch channel audio sources according to usage needs for flexible dual-device switching.

Speaker Cable Requirements:

The rear audio output of the device adopts professional balanced signal interfaces. Professional balanced protocol audio cables must be used when connecting monitoring speakers, post-stage power amplifiers and other external devices to ensure complete audio signal transmission, reduce interference and background noise, and deliver pure sound quality.

2.2 Front Panel Function Description



1

1. Main Volume Encoder / Push Button

- Rotate: Adjust main output volume (rotation also cancels mute status)
- Press: Switch audio source / Bluetooth control mode (refer to the "PUSH A/B / Bluetooth" mark beside the button)

2

2. Status LEDs

- Indicate device power and working status
- Display connection/signal status of Bluetooth Source A / B

3

3. Knob Integrated OLED Display

- Real-time display of current input channel (e.g. IN A / IN B), output selection and current volume percentage (e.g. 24%)

4

MUTE Button (Orange)

- Press to instantly mute output; press again or rotate the volume encoder to unmute

5

COLOR Button

- Switch screen display color styles and interface theme modes

6

MODE Button

- Switch different device working modes and functional options

7

Dual Level Meter Display

- Dynamically display real-time audio signal level and waveform status of left and right (L/R) channels

2.3 Rear Panel Interface Function



8

Bal. Out L / R (Balanced Audio Output Interface)

- Type: 3-Pin XLR Male Connector
- Function: Connect monitoring speakers or post-stage power amplifiers to provide high-quality main stereo balanced output (separate left L and right R channels)

9

Unbal. St. AUX In (Unbalanced Stereo Auxiliary Input Interface)

- Type: 3.5mm TRS Stereo Jack
- Function: Connect external devices such as mobile phones, computers and players to input unbalanced audio signals

10

PWR / DC 5V-1A (Power Input Interface)

- Type: USB Type-C Interface
- Function: Device power supply interface, supporting standard DC 5V/1A power input

11

BT ANT A / B (Dual Bluetooth Antenna Interface)

- Type: Antenna Interface
- Function: Install high-gain wireless antennas (BT A and BT B) to ensure high-quality signal reception and stable transmission of dual Bluetooth channels

2.4 Partial Operation Details



1. Stepless Volume Adjustment & Channel Volume Memory:
Equipped with a high-precision digital encoding knob, supporting 360° stepless rotating volume adjustment with accurate, smooth and non-stuttering volume control. The built-in independent channel memory program automatically saves the independent volume parameters of Bluetooth A and B channels. The device restores the historical volume settings of the corresponding channel automatically during channel switching without repeated adjustment.



2. Screen Status Indication: The display screen shows the real-time channel volume percentage. The dual Bluetooth channel indicator lights stay solid when the corresponding channel is successfully paired and connected, and flash when the channel is in pending pairing or disconnected status.



3. Bluetooth Channel Switching: Press the main encoder knob to quickly switch between Bluetooth Source A and Bluetooth Source B. The default initial channel is Channel A, and the indicator light synchronizes the channel status after switching.

2.5 Detailed Explanation of Function

Buttons & Spectrum Display Module

MUTE Button: Press to cut off audio output for instant mute; press again or rotate the main volume knob to unmute and restore the volume level before muting.

COLOR Button: Switch the spectrum display color; each single press cycles one color mode for independent selection according to usage scenarios.

MODE Button: Switch audio spectrum analysis and visual display modes to adapt to different monitoring and debugging habits and optimize visual observation effects.

Hardware Redundancy Design: The spectrum display screen is an independent hardware module. Screen failure or damage will not affect the core audio input and output channels, ensuring continuous and stable operation of the audio system



2.6 Detailed Explanation of Rear Panel



1. **Audio Input Interfaces:**Bluetooth ANT Interface: Matches original dual Bluetooth antennas to effectively improve wireless Bluetooth signal stability and coverage, reduce signal disconnection and noise interference, and ensure wireless audio transmission quality.
AUX IN 3.5mm Analog Input Interface: Standard 3.5mm unbalanced stereo line input interface. Built-in signal mutual exclusion logic: when a 3.5mm audio cable is connected, the system automatically shields the Bluetooth A channel signal and prioritizes AUX analog input signals to avoid multi-signal conflicts.

2. **Power Supply Interface:**DC 5V/1A Type-C Power Supply Interface: Adopts universal Type-C power supply specification with rated input of 5V/1A. To ensure stable device operation and pure audio signals without noise, it is recommended to use the original factory power adapter for power supply.

3. Audio Output Interface

BAL. OUT L/R Balanced Output Interface: Equipped with professional Neutrik 3-pin XLR cannon interface, supporting independent balanced output of left and right channels. It features low signal transmission loss and strong anti-interference capability, which can be directly connected to professional monitoring speakers and post-stage power amplifiers for professional audio working scenarios.

Part 3 Bluetooth Audio Device Usage Notes

3.1 Bluetooth Pairing & Connection Specifications

This device supports independent pairing and switching of dual Bluetooth channels (A/B). Ensure normal device power supply and firm installation of Bluetooth antennas before pairing; loose antennas may cause pairing failure and unstable signals.

During pairing, the flashing indicator light of the corresponding channel means pending pairing. Search and connect the device in the Bluetooth list of terminals such as mobile phones and computers. Switching channels will not automatically disconnect the original Bluetooth connection.

In case of pairing failure or undetectable device, restart the device power, clear the historical pairing records of the terminal Bluetooth and re-pair. Frequent repeated pairing is prohibited to avoid system stuttering.

3.2 Bluetooth Signal Transmission Environment Requirements

Bluetooth wireless transmission has an effective transmission distance with stable performance in obstacle-free environments. Keep the device away from signal interference sources such as routers, wireless equipment and high-power electronic devices during use to avoid Bluetooth disconnection, audio stuttering, noise and delay caused by electromagnetic interference.

Walls, metal shelters and confined spaces will greatly attenuate Bluetooth signals. Do not use Bluetooth functions in metal cabinets or enclosed cases. It is recommended to use the device in an open and unobstructed desktop environment to ensure stable wireless audio transmission.

Loose or damaged antennas will directly cause weakened Bluetooth signals, unstable transmission and shortened pairing distance.

3.3 Bluetooth Device Compatibility & Usage Specifications

This device is compatible with mainstream Bluetooth-enabled audio terminals such as mobile phones, computers and tablets, and is incompatible with some old Bluetooth protocol devices and specially customized Bluetooth peripherals. When abnormal connection occurs with third-party Bluetooth devices, prioritize troubleshooting the Bluetooth function and version compatibility of the terminal device.

The Bluetooth channel and AUX input adopt a signal mutual exclusion mechanism. Connecting a 3.5mm AUX audio cable will disable the Bluetooth A channel automatically, which is a normal product design rather than equipment failure. The Bluetooth channel will recover automatically after the AUX cable is unplugged.

3.4 Daily Maintenance of Bluetooth Functions

Disconnect the terminal Bluetooth connection when Bluetooth functions are not in use for a long time to reduce standby power consumption. Suspend Bluetooth wireless usage and prioritize wired input mode in thunderstorm or strong electromagnetic interference environments to avoid abnormal signals and equipment interference.

Do not disassemble or bend Bluetooth antennas privately. Check the tightness of antenna interfaces regularly. Loose or damaged antennas will cause signal problems, and damaged accessories must be replaced with original dedicated antennas.

3.5 Simple Troubleshooting for Bluetooth Malfunctions

- Frequent disconnection & noise: Check antenna installation, keep away from interference equipment, shorten connection distance
- Failed pairing: Restart device power, clear terminal Bluetooth pairing records and re-pair after channel switching
- Audio stuttering: Eliminate surrounding wireless interference, turn off redundant wireless equipment and retry channel switching

Part 4 Copyright, Trademark & Disclaimer

4.1 Copyright & Trademark Statement

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4.2 Product Iteration & Change Statement

To continuously optimize product performance and user experience, Hoder Audio reserves the right to optimize and update product hardware specifications, appearance structure, circuit design, firmware programs and manual content without prior notice. Manual pictures and descriptions are for reference only, and product functions and specifications are subject to the physical product and latest firmware version.

4.3 Disclaimer

Within the scope permitted by applicable laws, Hoder Audio shall not be liable for equipment damage, data loss or direct/indirect economic losses caused by the following circumstances: improper equipment installation and operation not in accordance with manual specifications; use of non-original and non-compliant third-party power supply equipment and accessories; unauthorized disassembly, modification and repair of equipment; equipment failure and damage caused by force majeure such as lightning strikes, floods and fires.

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