

## User Guide

### Traillii Ultra IEM System

Thank you for your purchase of this product. To ensure safe use, please be sure to read this manual before using it. Additionally, after reading it, please keep it carefully stored where you can access it at any time.

#### Safety Precautions

To clearly indicate the magnitude of danger or potential harm and the degree of urgency, the anticipated consequences of mishandling are categorized into two distinct levels: "Warning" and "Caution," as defined below.

<b>Warning</b>	Ignoring the information displayed here and handling it incorrectly may result in the risk of death or severe injury.
<b>Caution</b>	Ignoring this display information and taking incorrect actions may result in the potential for personal injury or physical damage.

#### Warning

- If you encounter any abnormal sounds, smoke, odors, overheating, or damage, please immediately cease use and request repairs.
- Do not disassemble or modify the product. There are no user-serviceable parts inside. Disassembly or modification will not only void the warranty, but can also lead to fire or electrical hazards.
- Do not immerse in water or expose to moisture, as this can cause fire or electrical hazards.
- Do not touch the product with wet hands, as this can result in electric shock or injury.
- Avoid subjecting the product to strong impacts, as this can lead to malfunction, electric shock, or fire hazards.
- When using the product, reduce the volume to a minimum before connecting and wearing it on your ears. Sudden loud noises can potentially damage your ears.
- Do not use the product while operating a vehicle such as a car, motorcycle, or bicycle. It may lead to accidents.
- Do not use the product in places where it is dangerous to not hear surrounding sounds, such as at railway crossings, construction sites, or train station platforms. It may lead to accidents.
- When charging, always use the dedicated cable. Do not use the included accessories with other products.
- Do not place this product in high-temperature environments, such as near open flames or stoves (above 80°C). This can cause the battery and electronic components to short-circuit, overheat, emit smoke, rupture, or catch fire.
- If the product has a built-in battery, never open the product's casing, remove the rechargeable battery, disassemble, modify, or replace it. This can result in overheating, smoke emission, rupture, or fire.

#### Caution

- Please do not place in the following conditions:
  - Direct sunlight
  - Areas with particularly high or low temperatures
  - Humid environments
  - Dusty locations
  - Places with excessive vibration
- If the product contains a built-in battery, please stop charging if it does not complete charging even after the specified charging time. This could lead to overheating, smoking, bursting, or fire.
- If the product contains a built-in battery, the battery can be recycled, but it cannot be removed by the customer. Please consult the importer or distributor for disposal.
- For kit products, do not connect the AC adapter until assembly is complete. Also, do not use any parts other than those included in the kit.
- For products with vacuum tubes, they can become very hot during use, posing a risk of burns if touched accidentally. They are also susceptible to damage if they come into contact with water droplets or liquids.
- There is no warranty for assembled kits.
- When plugging or unplugging the power cable, always turn off the power switch and ensure the power plug is disconnected from the outlet.
- If you are not using the product for an extended period or while on the go, please disconnect the power plug from the outlet.

#### Usage Precautions

Oriolus products are designed with safety in mind. However, improper use may result in serious accidents or injuries. Please be sure to observe the following precautions.

- Always use the product at an appropriate volume level.
- Before connecting this product to other equipment, make sure the volume is set to a low level.
- If you experience any skin irritation or discomfort while using earphone products, discontinue use immediately.
- Ensure that the ear tips are securely attached to the earphones before use. If an ear tip becomes lodged in the ear and cannot be removed, seek medical attention immediately.
- Do not place the product near items that are sensitive to magnetic fields, such as watches or magnetic cards.
- When connecting or disconnecting cables, always hold the plug. Pulling on the cable may cause damage or lead to accidents.
- If accessories such as an AC adapter are not included, please use a compatible third-party product. Note that compatibility with third-party accessories cannot be guaranteed.
- For vacuum tube (tube amplifier) products: when increasing the volume beyond the amplifier's output limits, sound distortion may occur due to the characteristics of vacuum tubes.
- Never use this product while operating vehicles such as cars, motorcycles, or bicycles.
- Do not use this product in potentially hazardous locations, including railroad crossings, train platforms, areas with heavy traffic, or construction sites.
- As this product is small in size, keep it out of reach of children when not in use.
- Avoid prolonged continuous use, as excessive listening time may cause hearing damage.

## Check the package contents

Earphones x 1 pair	Silicone bands x 2
Dedicated earphone cable x 1	Eartip set x 1
Amplifier unit x 1	
4.4 mm to 4.4 mm audio cable x 1	• Silicone tips: S, M, L, LL, Double Flange
USB Type-C to USB Type-C cable x 1	• Foam tips: S, M
Earphone cable clip x 1	• Cleaning brush

**Notice:** Please note that the above information is subject to change without notice.

## Main Specifications

Earphone:	
Shell Material	Handcrafted UV-Cured Resin
Driver Configuration (per channel)	High: EST Driver *4 BA Driver *2 Mid: BA Driver *4 Low: BA Driver *4
Sensitivity	109dB/mW
Frequency Response	10Hz~40kHz
Impedance Distribution	High: 4 Ω Mid: 64 Ω Low: 36 Ω
Cable	Custom 6-pin connector, OCC cable, approx. 140 cm
Plug	Hirose HR-10A-7P-6P

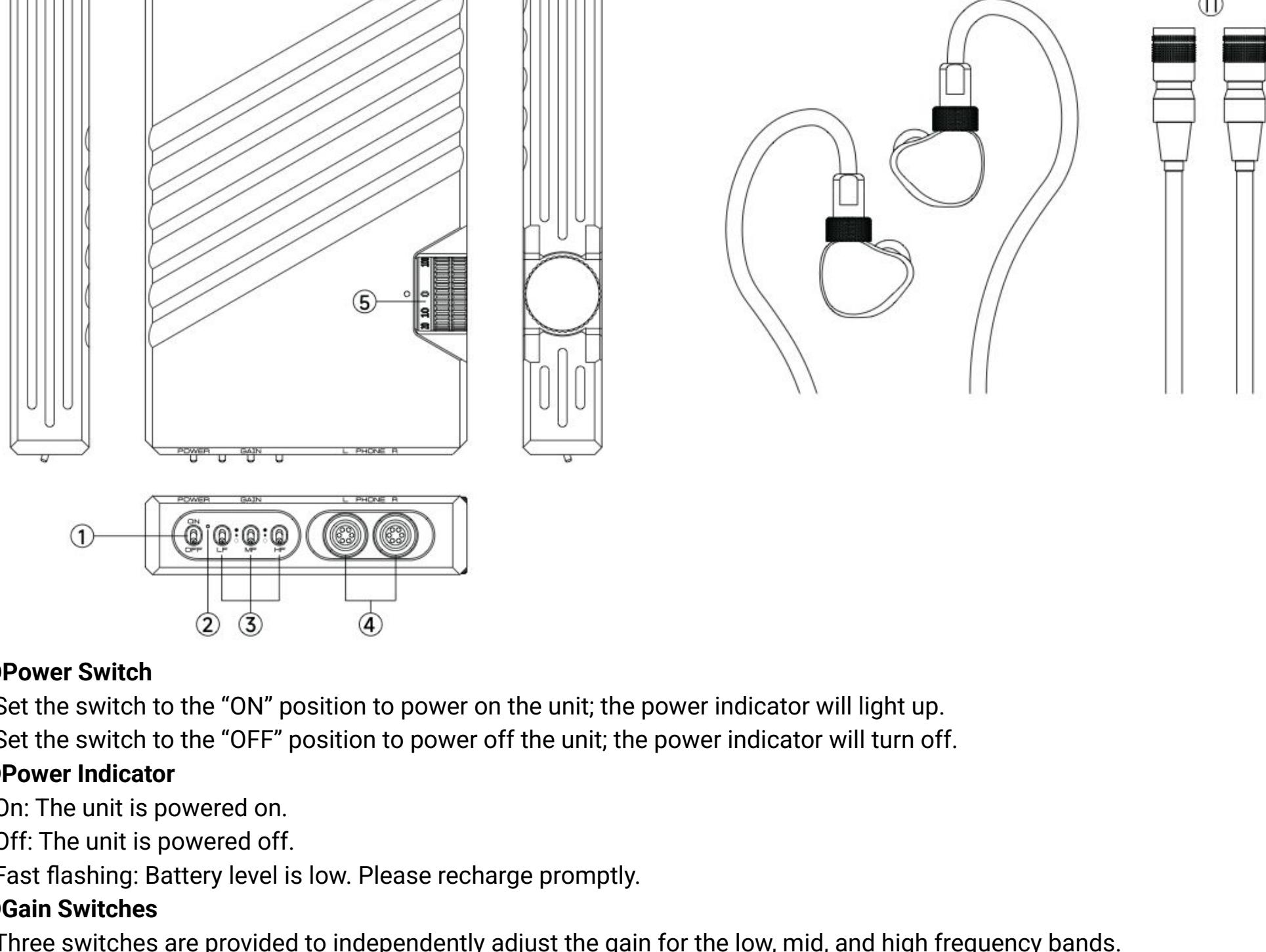
### Amplifier:

Input	RCA In / Line In Input level: ≤ 2.0 Vrms Balanced In Input level: ≤ 4.0 Vrms
Output	20 Vrms ± 0.5 dB (32 Ω load)
THD+	< 0.005% @ 1 kHz
S/N Ratio	106dB
Channel Separation	100dB
Battery Life	Approx. 9 hours (6000mAh Lithium-polymer battery)
Charging Time	Approx. 3 hours (fast charging) Approx. 5 hours (slow charging)
Dimensions	160 × 90 × 22 mm

### Others:

Weight	13 g (Earphone body)、443 g (Amplifier)
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## Names and Functions of Each Part



### ①Power Switch

Set the switch to the "ON" position to power on the unit; the power indicator will light up.

Set the switch to the "OFF" position to power off the unit; the power indicator will turn off.

### ②Power Indicator

On: The unit is powered on.

Off: The unit is powered off.

Fast flashing: Battery level is low. Please recharge promptly.

### ③Gain Switches

Three switches are provided to independently adjust the gain for the low, mid, and high frequency bands.

### ④Earphone Output Connectors

Two output connectors are provided, corresponding to the left and right channel earphone outputs (HIROSE HR10A-7P-6S).

### ⑤Volume Control Knob

Rotate clockwise to increase the volume.

Rotate counterclockwise to decrease the volume.

### ⑥Charging Indicator

Red flashing: Charging in progress.

Red solid: Charging completed.

Green solid: Fast charging mode.

Green off: Normal (slow) charging mode.

### ⑦Type-C Charging Port

Supports both fast charging and normal charging.

Fast charging: approximately 3 hours to full charge.

Normal charging: approximately 5 hours to full charge.

### ⑧Balanced Input (Balance In)

Accepts balanced analog audio signals up to 4Vrms.

### ⑨Line Input (Line In)

Accepts analog audio signals up to 2Vrms.

### ⑩RCA Input (RCA In)

Accepts analog audio signals up to 2Vrms.

### ⑪Amplifier Connection Plugs

Plugs attached to the earphone cable for connection to the amplifier output terminals.

Individual plugs are provided for the left and right channels (HIROSE HR10A-7P-6P).

## How to Use

### Connecting Source Devices or DAC to the Amplifier

Connect the headphone output or line output of a smartphone, DAC, or DAP (Digital Audio Player) to the input terminal of the portable amplifier using an appropriate audio cable.

The amplifier supports **3.5mm stereo input**, **4.4mm balanced input**, and **RCA input**.

### Connecting Headphones / Earphones to the Amplifier

Connect the earphones to the dedicated headphone output connectors on the portable amplifier.

Please connect the **left and right channels separately** according to their respective markings.

### Precautions

#### Power Supply

The portable amplifier operates on a built-in battery.

Before use, ensure that the battery is sufficiently charged via USB charging.

#### Power-On / Power-Off Sequence

To protect connected equipment, always power on the **source device** (PC, smartphone, etc.) first, and then turn on the portable amplifier.

When powering off, reverse the order: turn off the amplifier first, then power off the source device.

#### Volume Setting

Before connecting the devices, it is recommended to set the volume of the source device to its maximum level and adjust the listening volume using the amplifier's volume control.

This helps reduce noise and allows the amplifier to deliver optimal performance.

#### Gain Adjustment

Some amplifiers are equipped with gain switches (such as High / Low).

Select the appropriate gain setting according to the sensitivity of the connected headphones or earphones to achieve proper volume levels and sound quality.

#### Storage When Not in Use

If the amplifier will not be used for an extended period, it is recommended to store it with the battery charged to approximately **50%**. This helps prevent battery swelling and deterioration.

## About Charging

The rechargeable battery in this product can withstand several hundred charge-discharge cycles, but it will eventually reach the end of its service life.

When replacement is required, please contact our authorised distributors, or the retailer from whom you purchased the product.

## Warranty Policy

For warranty-related inquiries, please contact the authorized retailer from which you purchased this product. Direct warranty support from the manufacturer is not available.

- The contents of this manual are accurate as of January 2026.
- All product names and company names appearing in this manual are trademarks or registered trademarks of their respective owners.

# Oriolus

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Japan

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