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CIO SMARTCOBY SLIM 5K

CIO SMARTCOBY SLIM 5K Mobile Battery User Manual

Model: SMARTCOBY SLIM 5K (Safety Model)

1. Product Overview

The CIO SMARTCOBY SLIM 5K is a compact and lightweight mobile battery designed for convenient charging of compatible devices. This 'Safety Model' prioritizes heat suppression for stable charging performance. It features Qi2 wireless charging, a USB-C PD20W output, and a 5000mAh capacity, all within an ultra-slim 8.7mm aluminum body.

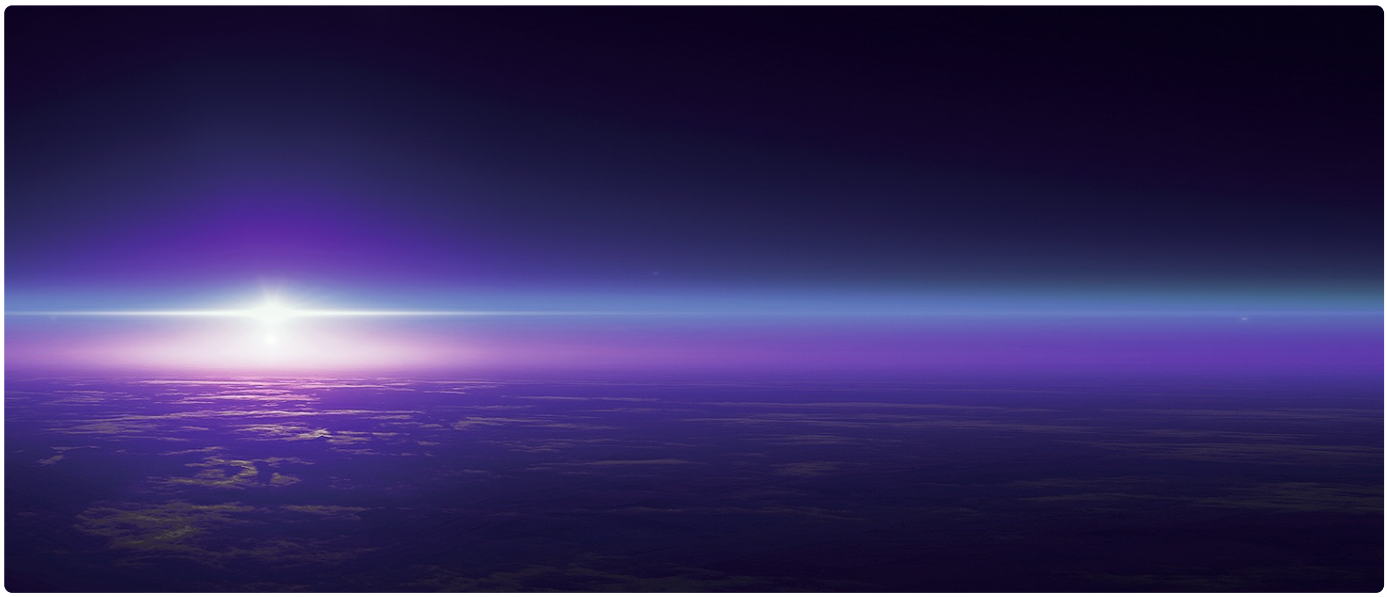


Image: Overview of SMARTCOBY SLIM 5K features including slimness, Qi2, 15W output, 5000mAh capacity, MagSafe compatibility, pass-through charging, and USB-C.

2. Safety Information and Precautions

To ensure safe and optimal use of your SMARTCOBY SLIM 5K, please observe the following precautions:

2.1 Heat Management (Safety Model)

This model is designed to prioritize heat suppression, ensuring stable charging and preventing excessive temperature rise in the battery cell. While Qi2 15W output is supported, the internal program is adjusted to control output and heat generation. The product surface temperature may reach up to 47°C during prolonged Qi2 15W charging, which is within normal operating limits. If the product becomes uncomfortably hot, discontinue use immediately and contact support.

Image: Visual guide to product surface temperatures, indicating normal ranges and the point at which battery degradation begins (55°C).

2.2 Environmental Precautions

Charging is recommended in environments with an ambient temperature of approximately 25°C. In high-temperature environments, charging may automatically stop at 80% to protect the battery cells. Charging will resume once the temperature returns to a stable range (iOS 17 and 18 feature).
Avoid the following handling practices:

- **Leaving in a car:** Do not leave the product in a car where temperatures can rise to approximately 50°C in summer.
- **Direct sunlight:** Avoid direct sunlight, as it can degrade the internal battery and potentially cause heat generation or swelling.
- **Near windows:** Do not leave near windows, as temperatures can rise significantly even without direct sunlight due to glass.

Image: Illustrations depicting scenarios to avoid: leaving in a hot car, direct sunlight exposure, and placement near windows.

3. Package Contents

Please check that all items are present in your package:

- SMARTCOBY SLIM 5K Main Unit
- Instruction Manual (Japanese/English)
- USB-C to USB-C Charging Cable (0.5m)

4. Setup

4.1 Initial Activation

The product is shipped in sleep mode for safety. To activate and begin wireless charging, press the power button located on the side of the device.

Image: Close-up of the power button on the side of the SMARTCOBY SLIM 5K, indicating to press it to start wireless charging.

4.2 Charging the Power Bank

To charge the SMARTCOBY SLIM 5K, connect a USB-C cable to the power bank's USB-C port and an appropriate power adapter. The power bank supports up to 20W input, allowing for a full charge in approximately 150 minutes with a fast charger.

Image: The SMARTCOBY SLIM 5K connected to a wall adapter via USB-C cable for charging, showing a 150-minute charging time.

5. Operating Instructions

5.1 Wireless Charging (Qi2)

The SMARTCOBY SLIM 5K supports Qi2 wireless charging, providing stable magnetic attachment and charging for compatible devices such as iPhone 12-17 series and Pixel 10 series. Simply align your device with the power bank for magnetic attachment and charging. It can charge an iPhone 16 Pro to full in approximately 170 minutes.

Image: A smartphone magnetically attached to the SMARTCOBY SLIM 5K, illustrating Qi2 wireless charging with a 15W output.

5.2 Wired Charging (USB-C PD)

The USB-C port supports a maximum output of 20W, allowing for wired charging of smartphones (iPhone, Galaxy, Xperia, etc.) and tablets (iPad / mini / Pro).

5.3 Full Pass-through Charging

This feature allows you to charge the power bank and a device simultaneously. Once the power bank is fully charged, it automatically switches to a direct circuit for device charging, bypassing the internal battery cells to reduce their load and extend their lifespan. During full pass-through charging, wireless output is limited to 5W.

Image: The power bank is connected to a wall charger, and a smartphone is wirelessly charging from the power bank, demonstrating pass-through charging.

5.4 Battery Level Indicator

The mobile battery's remaining charge is indicated by LED lights. The leftmost LED illuminates during Qi2 charging. The remaining four LEDs indicate charge levels in 25% increments.

Image: Diagram explaining the LED light indicators for battery level and Qi2 charging status.

6. Maintenance

Keep the device clean and dry. Avoid exposing it to extreme temperatures or humidity. For long-term storage, charge the battery to about 50% and store it in a cool, dry place. The aluminum body is durable but can show minor scratches; protecting it with a pouch during transport is recommended to maintain its appearance.

7. Troubleshooting

- **Device not charging or slow charging:** Ensure the power bank is sufficiently charged. Check cable connections for wired charging. For wireless charging, ensure proper alignment and that your device supports Qi2. Charging speed can vary based on charging status and ambient temperature.
- **Overheating during charging:** The Safety Model prioritizes heat suppression. If the product or your phone becomes excessively hot, charging may pause automatically (especially for iPhones above 80% charge). Move the device to a cooler environment. If the heat is unbearable, stop use and contact support.
- **Reduced effective capacity:** The nominal capacity is 5000mAh (3.85V, 19.25Wh). However, due to energy loss during power conversion, the effective capacity for charging other devices is approximately 3000mAh (5V/2A), or about 60% of the nominal capacity. Wireless charging incurs additional energy loss. Fast charging (e.g., PD 9V) also affects discharge capacity; for example, at 9V discharge, the effective capacity is approximately 2139mAh. This is normal and not a defect.

8. Specifications

Image: Detailed table of SMARTCOBY SLIM 5K product specifications.

Feature	Specification

Model Number	CIO-MB20W1C-5K-WL15 (Safety Model)
Built-in Battery	5000mAh (3.85V, 19.25Wh)
Rated Capacity	3000mAh
Port Count	1 x USB-C
Input (USB-C)	5V=3A / 9V=2.22A (Max 20W)
Output (USB-C)	5V=2A / 9V=2.22A (Max 20W)
Qi2 Wireless Output	Max 15W
USB-C + Wireless Total Output	10W
Product Size (L x W x H)	Approx. 102 x 70 x 8.7 mm
Weight	Approx. 117g
Cycle Life	Approx. 500 cycles
Recharge Time	Approx. 150 minutes
Compatible Fast Charging Standards	Qi2 charging / PD3.0
Compatible Devices	Qi2 compatible devices like Pixel 10 series; iPhone 12 / 12 Pro / 12 Pro Max / 12 mini, iPhone 13 / 13 Pro / 13 Pro Max / 13 mini, iPhone 14 / 14 Plus / 14 Pro / 14 Pro Max, iPhone 15 / 15 Plus / 15 Pro / 15 Pro Max, iPhone 16 / 16 Plus / 16 Pro / 16 Pro Max, iPhone 17 / 17 Pro / 17 Pro Max / iPhone Air

9. Warranty and Support

As a Japanese manufacturer, CIO provides reliable support for product malfunctions. For initial defects or product issues during use, please contact our support team. Providing your order number will facilitate a smoother process. Please note that products may have been opened for operational inspection before shipment to ensure quality; however, they are new and unused.

Battery Recycling Service:

Recognizing concerns regarding lithium-ion batteries, CIO is a member of the General Incorporated Association JBRC. We offer a mobile battery recycling service at major electronics retailers nationwide and at CIO headquarters for

unwanted mobile batteries (including those from other manufacturers).

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