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SYMIK CH324-1

SYMIK 24W OLED Intelligent Triple Slot Fast Charging Hub

For DJI Osmo Action 3/4/5 Pro/6 Batteries

Model: CH324-1

Introduction

The SYMIK 24W OLED Intelligent Triple Slot Fast Charging Hub is designed for efficient and precise charging of your DJI Osmo Action series batteries. This device combines a fast charging hub with an intelligent battery checker, providing comprehensive information and control over your battery's state of charge.

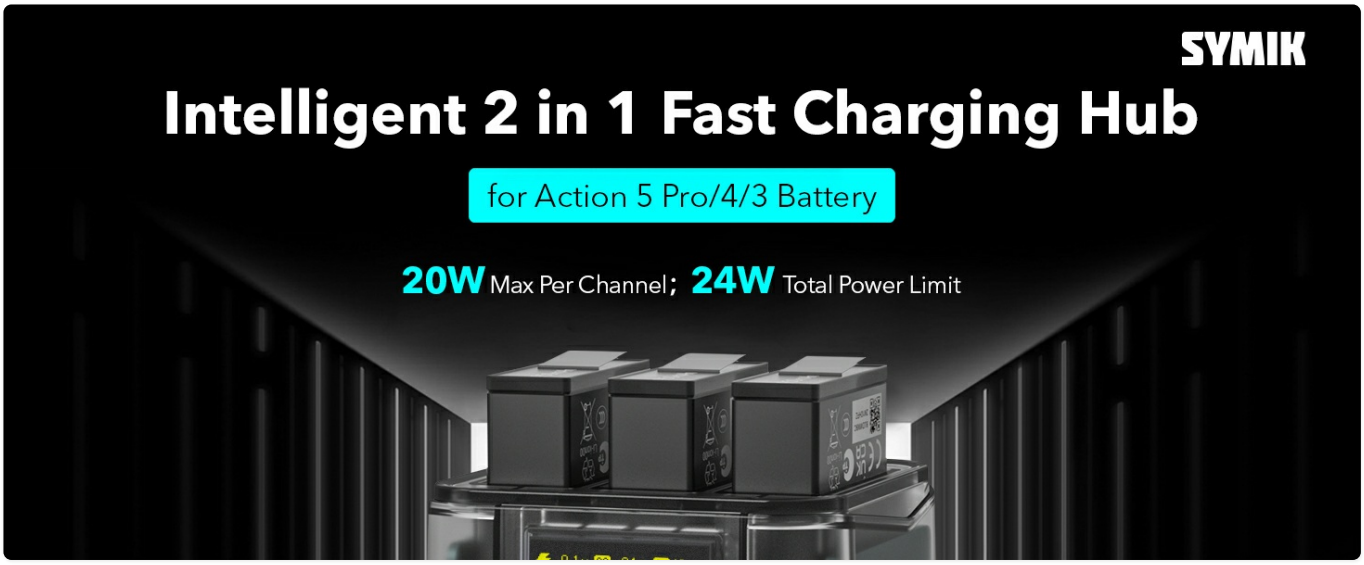

Image: The SYMIK Intelligent 2-in-1 Fast Charging Hub, highlighting its triple slot design and OLED screen.

Product Features

- **Excellent Compatibility:** Specifically designed for DJI Osmo 360, Action 6, Action 5 Pro, Osmo Action 4, and Osmo Action 3 batteries.
- **Intelligent 2-in-1 Functionality:** Serves as both a 24W fast charging hub and an intelligent battery checker.
- **High Charging Accuracy:** Equipped with 3 Texas Instruments charging management chips for ±8mV accuracy, ensuring

optimal battery health.

- **0.96" Crispy OLED Screen:** Displays real-time battery and charging information including State of Charge (SOC), Charge Power, Voltage, Current, Cycle Counts, Temperature, and Power Source Capabilities.
- **Dynamic Power Distribution:** Optimizes power allocation for fastest charging speeds.
- **Comprehensive Protection:** Features Over Current, Over Voltage, Over Power, Short Circuit, Over Charge, Over Discharge, Over Temperature, and Fire Resistant Protection.

Setup

1. Unboxing and Initial Inspection

Upon opening the package, verify that the SYMIK Charging Hub and the instruction manual are present. Please note that the charging hub does **not** include a USB-C charging cable or a power adapter. You will need to provide your own compatible USB-C PD power adapter (30W recommended for full performance) and a USB-C to USB-C cable.

2. Power Connection

Connect the charging hub to a compatible USB-C power adapter using a USB-C to USB-C cable. For optimal performance and to achieve the maximum 24W total power, a 30W Power Delivery (PD) adapter is recommended. Using a USB-A to USB-C cable will limit the maximum power the charging hub can receive to 18W.

3. Battery Insertion

Gently insert up to three compatible DJI Osmo Action batteries into the designated slots on the charging hub. Ensure they are seated correctly.



Image: The charger automatically detects Action 5 Pro and Action 4/3 battery types to apply correct charging profiles.

Operating Instructions

1. Battery Checker Function (No Power Source Required)

To check the State of Charge (SOC) of a battery without connecting the hub to a power source, simply insert the battery into any slot. The OLED screen will automatically wake up and display the battery's SOC and other information for approximately 15 seconds before turning off.

2. Charging Process and OLED Display

When the charging hub is connected to a power source and batteries are inserted, the 0.96" OLED screen will display detailed

information for each battery slot, including:

- **Battery Reported State of Charge (SOC):** Percentage of charge remaining.
- **Charging Status Indicator:** Icons indicating no battery, evaluating charge, charging, battery idle (waiting), or battery done (charging).
- **Real-Time Charge Power:** Current power being delivered to the battery.
- **Battery Voltage:** Current voltage of the battery.
- **Battery Current:** Current amperage flowing into the battery.
- **Battery Cycle Counts:** Number of full charge/discharge cycles.
- **Battery Temperature:** Temperature in Celsius or Fahrenheit.
- **Source Capability:** Usable power adapter power.
- **Charge Power Limit of Each Channel:** Maximum power allocated per channel.

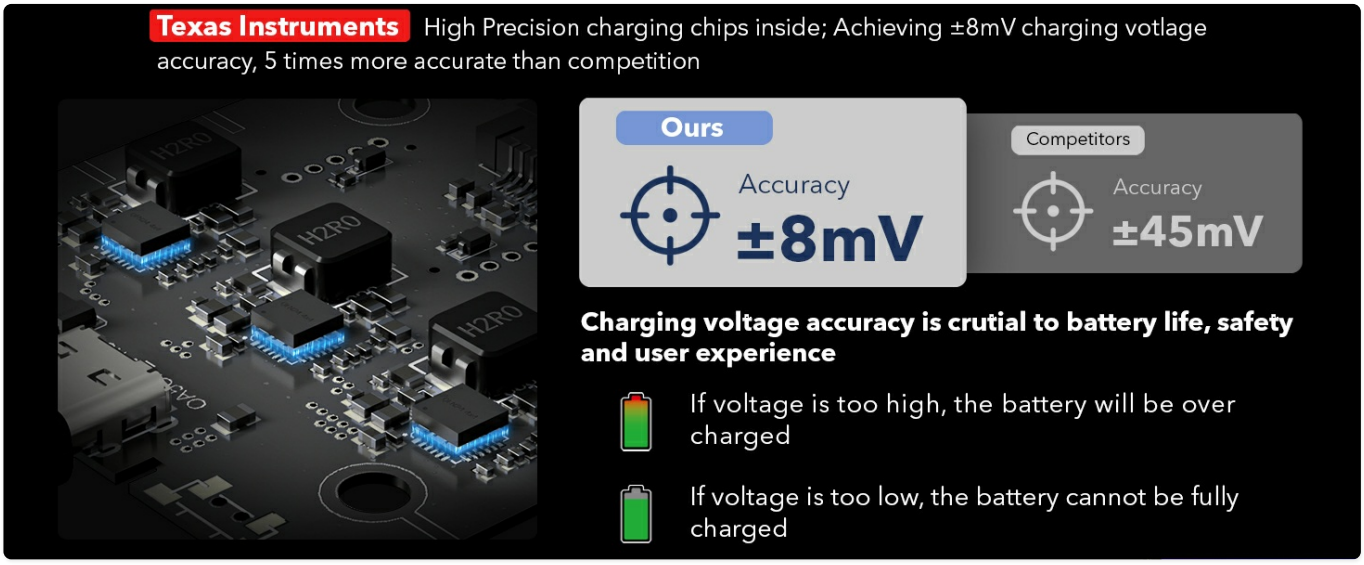

Image: Detailed view of the 0.96" OLED screen, showing battery SOC, voltage, current, cycle counts, and temperature.

3. Adjusting Charge Termination SOC

To prolong battery lifespan, you can set a charge termination SOC lower than 100% (e.g., 80%).

1. When the charging hub is powered on, press and hold the Push Button for 2 seconds until the termination SOC percentage starts flashing.
2. Press the Push Button to adjust the termination SOC (e.g., 80%, 90%, 100%).
3. Press and hold the Push Button again for 2 seconds to confirm the selection. The charging will stop once the battery reaches the selected SOC.

4. Adjusting Charge Power (Watts)

The default charge power is 10W per channel. You can adjust this from 6W to 20W per channel.

1. When the 'CP' icon is flashing (after adjusting SOC), press the Push Button to adjust the charge power of each channel up to 20W.
2. Note that the maximum total power of the charging hub is limited to 24W due to thermal limitations. Therefore, if the charge power is set to 12W or higher, there will only be 2 channels charging simultaneously in some conditions.
3. Press and hold the Push Button to confirm the power selection, save the settings, and exit to the main screen.

▶ **Watch video online**
DJI OSMO Action Triple Slot Fast Charging Hub

Video: Official SYMIK video demonstrating the DJI OSMO Action Triple Slot Fast Charging Hub's features and operation.

▶ **Watch video online**
SYMIK Fast Charging Hub for DJI Action 5 Pro / 4 / 3

Video: Official SYMIK video showcasing the Fast Charging Hub for DJI Action 5 Pro / 4 / 3 batteries.

5. Beginner Assist Feature

The charging hub is equipped with a beginner assist feature that restores factory default settings (power off and power on) and also counts how many times the user has saved custom settings. If the user has saved custom settings more than 12 times, the hub will remember these settings even after a power cycle. Otherwise, settings will revert to default after power cycling.

Maintenance

- Keep the charging hub clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures or humidity.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified service personnel if issues arise.

Troubleshooting

- **Charging Hub shows "---" for other chargers:** This is normal. The charging hub only communicates with DJI original batteries. It will not display detailed information for third-party batteries, but will still charge them.
- **Slow Charging Speed:** Ensure you are using a compatible USB-C PD power adapter (30W recommended) and a USB-C to USB-C cable. USB-A to USB-C cables limit power to 18W. Check the charge power settings on the device.
- **Charging Stops or Delays:** If the battery temperature is too high (above 60°C / 140°F) or too low (below 0°C / 32°F), the charging hub will stop or delay charging to protect the battery. Charging will resume once the temperature is within the optimal range.
- **Battery Not Fully Charged:** Check the 'Charge Termination SOC' setting. If it's set to less than 100%, the battery will stop charging at that percentage. Adjust the setting to 100% if a full charge is desired.

Specifications

Operating Temperature	0° to 40° C (32° to 104° F)
USB-C Input	5V 3A; 9V 2.7A; (24W Max)
Charge Power (Per Channel)	Up to 20W adjustable
Product Weight	3.1 Ounces / 88.0 g
Product Size	60*60*41 mm (2.36*2.36*1.61 inch)
Material	Semi-Clear Fire-Resistant PC Shell, Internal Aluminum Heat Sink
Display	0.96" Crispy OLED Screen
Protections	Over Current, Over Voltage, Over Power, Short Circuit, Over Charge, Over Discharge, Over Temperature, Fire Resistant Protection

Typical Charging Times (at Room Temperature, with New Battery)

- **Action 5 Pro (1950mAh 4.45V Battery):**
  - 20% to 90% in ~38 minutes @ 10W
  - 0% to 90% in ~49 minutes @ 10W
  - 0% to 100% in ~70 minutes @ 10W
  - 20% to 90% in ~25 minutes @ 20W
- **Action 4/3 (1770mAh 4.40V Battery):**
  - 20% to 90% in ~33 minutes @ 10W
  - 0% to 90% in ~43 minutes @ 10W
  - 0% to 100% in ~65 minutes @ 10W
  - 20% to 90% in ~22 minutes @ 20W

**Charging times are approximate and may vary based on battery condition, ambient temperature, and power adapter.*

Warranty and Support

The SYMIK 24W OLED Intelligent Triple Slot Fast Charging Hub comes with a **1 Year Warranty** from the manufacturer. For technical support, warranty claims, or any inquiries regarding your product, please visit the official SYMIK store on Amazon or contact SYMIK customer service directly. You can find more information and contact details on the SYMIK Brand Store.

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