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SYMIK X5DC

SYMIK Insta360 X5 Battery Charger Instruction Manual

Model: X5DC
Brand: SYMIK

1. Introduction and Overview

The SYMIK Insta360 X5 Battery Charger is an intelligent 5-in-1 device designed for efficient and safe charging of Insta360 X5 batteries. It functions as a dual-channel fast charging case, a 10W output power source, a battery accumulation device, a battery even-out equalizer, and a battery storage case. Featuring a 1.47-inch high-definition LCD screen, it provides real-time metrics for informed battery management.



Image: The SYMIK Insta360 X5 Battery Charger, showcasing its compact design and informative LCD screen.

2. Package Contents

- SYMIK Insta360 X5 Battery Charger (Model: X5DC)
- USB-C to USB-C Cable

Note: Batteries and power adapter are not included and must be purchased separately.

3. Setup

3.1 Power Adapter Requirements for Fast Charging

IMPORTANT: For optimal fast charging (up to 27W total), a 30W Power Delivery (PD) power adapter and a USB-C to USB-C cable are required. Using a USB-A to USB-C cable will likely result in only 5V input, preventing simultaneous charging of both batteries due to insufficient power.

▶ **Watch video online**

Video: Demonstrates the difference in charging performance between a 30W PD charger with USB-C to USB-C cable and a 5V legacy charger with USB-A to USB-C cable.

3.2 Inserting Batteries

Ensure batteries are inserted firmly into the charging ports until a distinct "click" sound is heard. This confirms proper connection for charging.

▶ **Watch video online**

Video: Illustrates the correct method for firmly inserting batteries into the charger until they click into place.

4. Operating Instructions

4.1 Waking Up the Charging Case

The charging case can be woken up in three ways to display battery information:

1. Open the lid of the charging case.
2. Insert a battery into one of the charging slots.
3. Press the push button located on the front of the charger.

▶ **Watch video online**

Video: Demonstrates the three methods to wake up the charger and activate the display.

4.2 Understanding the LCD Display

The 1.47-inch high-definition LCD screen provides comprehensive real-time data for each battery:

- **State of Charge (SOC):** Percentage of battery charge.
- **Charge Power:** Current charging wattage (W).
- **Voltage:** Battery voltage (V).
- **Charge Current:** Current flowing into the battery (A).
- **Cycle Counts:** Number of charge cycles the battery has undergone.
- **Temperature:** Battery temperature in Celsius and Fahrenheit.



Image: A visual representation of the detailed battery data displayed on the charger's LCD screen.

4.3 Setting 20W Max Charge Power

By default, the charger is set to 12W+12W for compatibility with various batteries. To enable 20W charging per channel (20W+7W total 27W mode), follow these steps:

1. Press and hold the push button to enter mode adjustment.
2. Adjust until you reach the 'Settings Mode'.
3. Press and hold the button again to enter the 'Settings Menu'.
4. Navigate to 'CHG Chrg Pwr' and set it to '20W'.

5. Save the settings.

▶ **Watch video online**

Video: Step-by-step guide on how to adjust the charger's settings to enable 20W max charge power.

4.4 Charging Modes and Features

- **Charger Mode:** Supports dual-channel fast charging. The default setting is 12W+12W. When set to 20W+7W mode, the first battery can charge from 0% to 80% in approximately 35 minutes.



Image: Illustration of the charger's dynamic power distribution algorithm for fastest charging speed.

- **Power Bank Mode (Bi-Directional):** Discharge stored Insta360 X5 battery power via the 10W USB-C output to charge phones or other devices. This is ideal for emergencies or on-the-go use. (Note: This

product is a charger only; it does not have a built-in battery.)



Image: The charger acting as a power bank, providing power to a mobile device.

- **Accumulation Mode:** This mode enables the combination of two partially charged batteries into a fully charged one, when feasible. This feature helps prevent the need for battery replacement mid-use.
- **Even Out Mode:** The algorithm works to equalize the State of Charge (SOC) across the batteries, aiming to keep them within a specific range. This process can extend the lifespan of both batteries for storage.



Image: Visual explanation of the Accumulation and Even Out modes for battery management.

4.5 Micro SD Card Storage

The charger is equipped with two Micro SD card slots, identical to those found in the X5 camera. This allows for convenient storage of your memory cards alongside your batteries.



Image: The charger's integrated Micro SD card storage slots.

5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the charger. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures. When not in use for extended periods, ensure batteries are stored at an optimal charge level (e.g., 50-60%) as recommended by battery manufacturers.
- **Handling:** Handle the charger with care to prevent drops or impacts that could damage the internal components or the LCD screen.

6. Troubleshooting

6.1 Slow Charging or Only One Battery Charging

- **Issue:** Batteries are charging slowly, or only one battery charges at a time.
- **Solution:** Verify that you are using a 30W Power Delivery (PD) power adapter and a USB-C to USB-C cable. A USB-A to USB-C cable typically provides only 5V, which is insufficient for dual fast charging.
- **Solution:** Check the charger's settings menu (refer to section 4.3) to ensure the 'CHG Chrg Pwr' is set to 20W for maximum charging speed.

6.2 Battery Not Detected or Not Charging

- **Issue:** The charger does not detect a battery or charging does not initiate.
- **Solution:** Ensure the battery is firmly inserted into the charging slot until you hear a "click".
- **Solution:** Check the battery contacts on both the battery and the charger for any debris or damage.
- **Solution:** Try a different battery or charging slot to isolate the issue.

6.3 LCD Display Not Turning On

- **Issue:** The LCD screen remains blank.
- **Solution:** Ensure the charger is connected to a power source or has a battery inserted.
- **Solution:** Try one of the three methods to wake up the charger (open lid, insert battery, press button) as described in section 4.1.

7. Specifications

Feature	Specification
Product Dimensions	2.99 x 1.89 x 2.36 inches (76 x 48 x 60 mm)
Item Weight	5.9 ounces (167 grams)
Operating Temperature	0° to 40° C (32° to 104° F)
Charger Mode USB-C Input	5V 3A; 9V 3A; (27W Max)
Power Bank Mode USB-C Output	5V 2.1A (10.5W)
Charge Power Limit (Each Channel)	Up to 20W Adjustable
Charging Time (20W/Channel)	0-80% in ~35 mins; 0-100% in ~60 mins (first battery)
Charging Time (Default 12W/Channel)	0-80% in ~48 mins; 0-100% in ~68 mins (both batteries)
Manufacturer	SYMIK



Image: Visual representation of the product's dimensions and key specifications.

8. Warranty and Support

For detailed warranty information and customer support, please refer to the official SYMIK website or contact their customer service directly. You can also find additional information in the official User Manual PDF available online.

Official User Manual (PDF): Download Here

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