CYNOVA C-MN-301

CYNOVA DJI Mini 4 Pro Battery Charger Hub User Manual

Brand: CYNOVA | Model: C-MN-301

1. Introduction

This manual provides instructions for the safe and efficient use of the CYNOVA Four-Port Two-Way Fast Charging Hub, designed for DJI Mini 4 Pro and DJI Mini 3 Pro intelligent batteries. This charging hub allows for simultaneous charging of multiple batteries and can also function as a power bank for other devices.

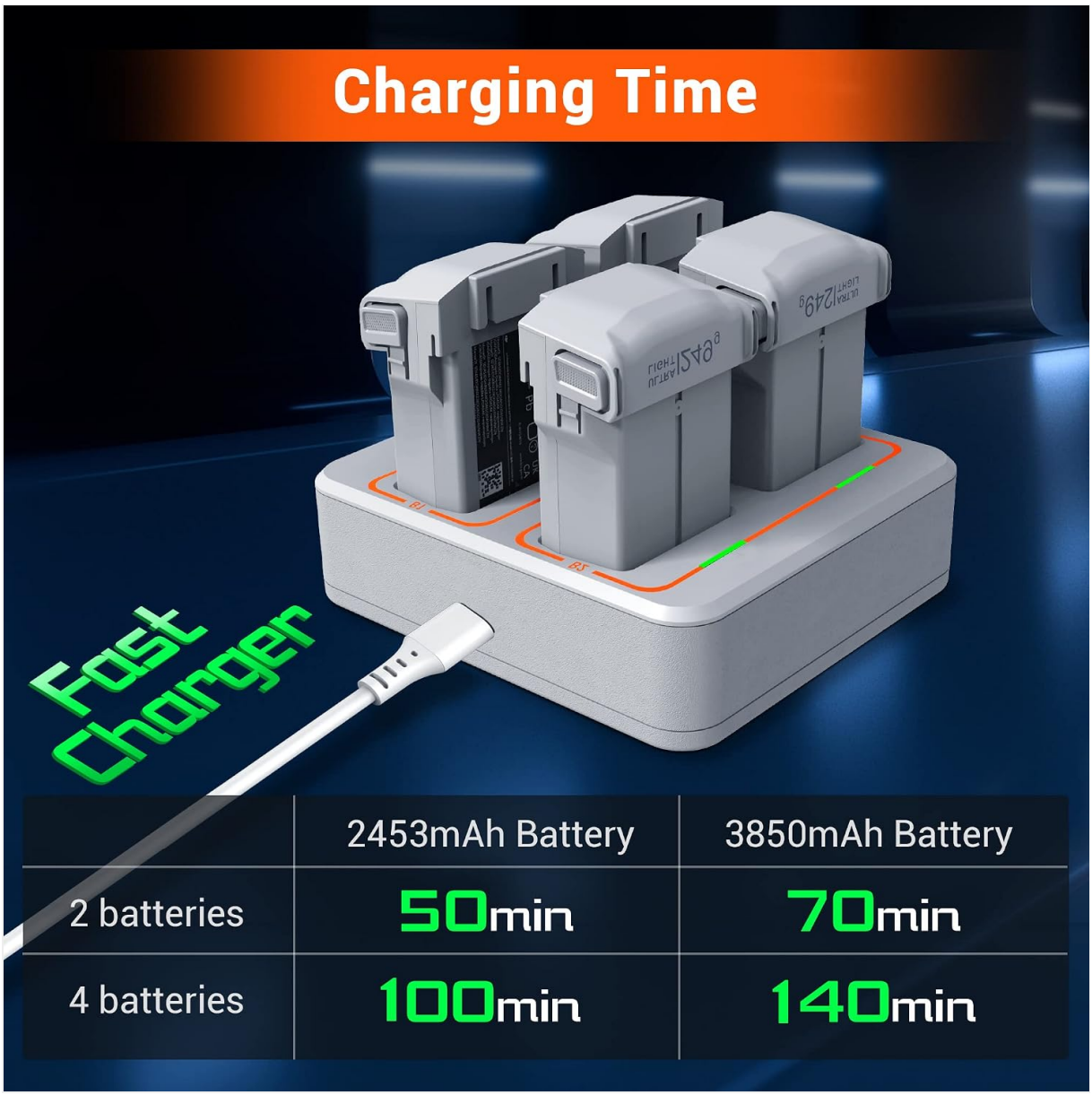


Image: The CYNOVA charging hub with four DJI Mini 4 Pro batteries inserted, ready for charging.

2. Product Features

- **Two-Way Fast Charging:** Designed for DJI Mini 4 Pro and DJI Mini 3 Pro batteries (2453mAh and 3850mAh versions).
- **Simultaneous Charging:** Capable of charging two batteries concurrently. Can fully charge four batteries within 2 hours when using a 65 Watt input with 2453 mAh batteries.
- **Reverse Output (Power Bank Function):** When a DJI Mini 4 Pro battery is inserted, the hub can charge other devices such as DJI RC remote controls or mobile phones via its USB output (5V == 2A).
- **Intelligent and Safe:** Constructed from fireproof material with IC protection and LED charging indicators to ensure safe and stable operation.



Image: Visual representation of the charging hub's key features, including fast charging, LED indicators, and power bank capability.

3. Package Contents

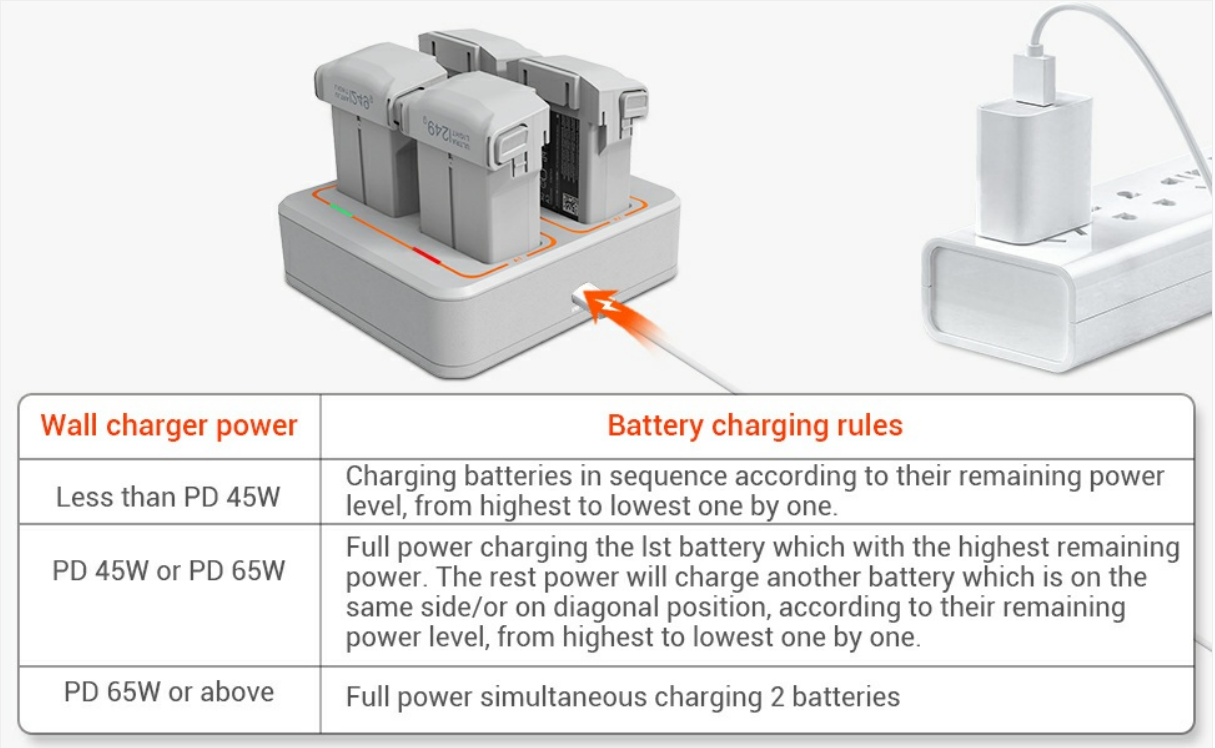
- 1 x CYNOVA DJI Mini 4 Pro Battery Charger Hub
- 1 x USB-C to USB-C Cable
- *Note: Batteries are not included.*



Image: The charging hub and the USB-C to USB-C cable that are included in the package.

4. Setup

1. Connect the provided USB-C to USB-C cable to the INPUT port on the charging hub.
2. Connect the other end of the USB-C cable to a compatible power adapter (e.g., USB wall charger, power bank, car charger, laptop) with a power output of at least 45W for optimal charging.
3. Ensure the power source is active.



Wall charger power	Battery charging rules
Less than PD 45W	Charging batteries in sequence according to their remaining power level, from highest to lowest one by one.
PD 45W or PD 65W	Full power charging the lst battery which with the highest remaining power. The rest power will charge another battery which is on the same side/or on diagonal position, according to their remaining power level, from highest to lowest one by one.
PD 65W or above	Full power simultaneous charging 2 batteries

Image: A DJI Mini 4 Pro battery being inserted into the charging hub, with the hub connected to a power supply.

5. Operating Instructions

5.1 Charging Batteries

1. With the charging hub connected to a power source, insert up to four DJI Mini 4 Pro or Mini 3 Pro intelligent batteries into the designated slots.
2. The hub will automatically begin charging. Refer to the LED indicators for charging status.
3. **Charging Rules based on Wall Charger Power:**
    - **Less than PD 45W:** Batteries charge in sequence according to their remaining power level, from highest to lowest.
    - **PD 45W or PD 65W:** The battery with the highest remaining power charges first. The remaining power will then charge another battery on the same side or in a diagonal position, from highest to lowest.
    - **PD 65W or above:** Two batteries can be charged simultaneously at full power.



Image: A table illustrating the approximate charging times for 2453mAh and 3850mAh batteries when charging 2 or 4 batteries.

5.2 Power Bank Function (Reverse Output)

1. Insert at least one charged DJI Mini 4 Pro or Mini 3 Pro battery into any slot on the charging hub.
2. Connect your external device (e.g., DJI RC remote control, mobile phone, tablet) to the USB-A OUTPUT port on the front of the charging hub using a compatible USB cable.
3. The hub will use the power from the inserted drone battery(ies) to charge your external device (USB Output: 5V == 2A).

Power Bank

When the battery is plugged in the product, it can be used as a power bank to provide emergency power(USB Output :5V==2A).



Image: The charging hub with batteries inserted, connected via USB to a smartphone for charging.



Image: The charging hub's USB output port being used to charge a variety of devices, including DJI controllers and mobile devices.

6. LED Indicators

The charging hub features LED indicators for each battery slot to display the charging status:

- **Red Lights Flashing Alternately:** Indicates that the battery is currently charging.
- **Green Lights Always On:** Indicates that the battery is fully charged.

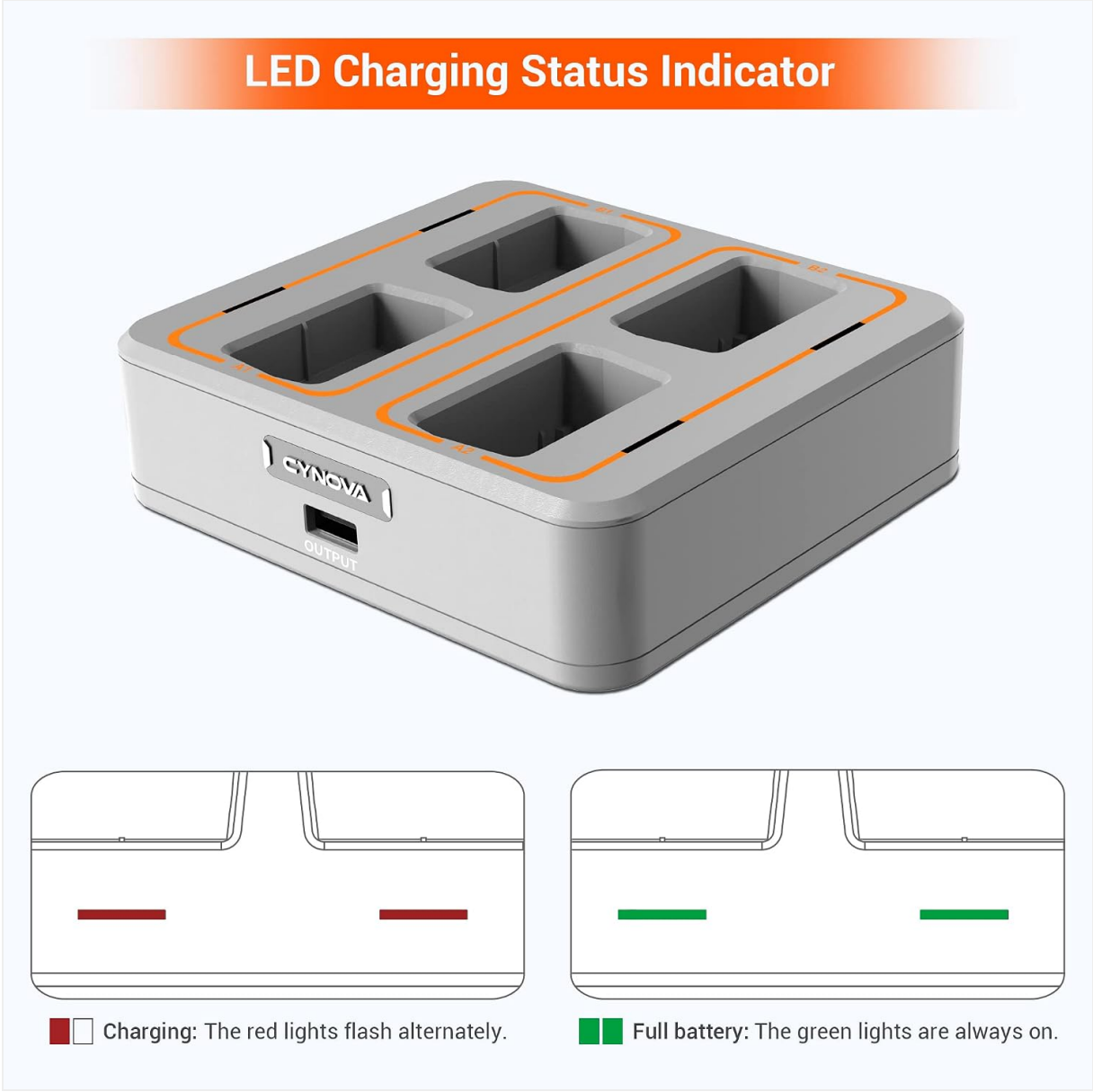


Image: A visual guide to the LED indicators, showing red lights for charging and green lights for a full battery.

7. Important Notes and Safety

- Battery charging should only be performed with batteries inserted correctly into the frame.
- When charging two batteries, ensure they are placed diagonally or on the same side for proper simultaneous charging, depending on the input power. Incorrect placement may prevent simultaneous charging.
- Always use the charger in a well-ventilated area.
- Do not cover the charger during operation.
- Keep out of reach of children.
- Avoid exposing the charger to water or extreme temperatures.

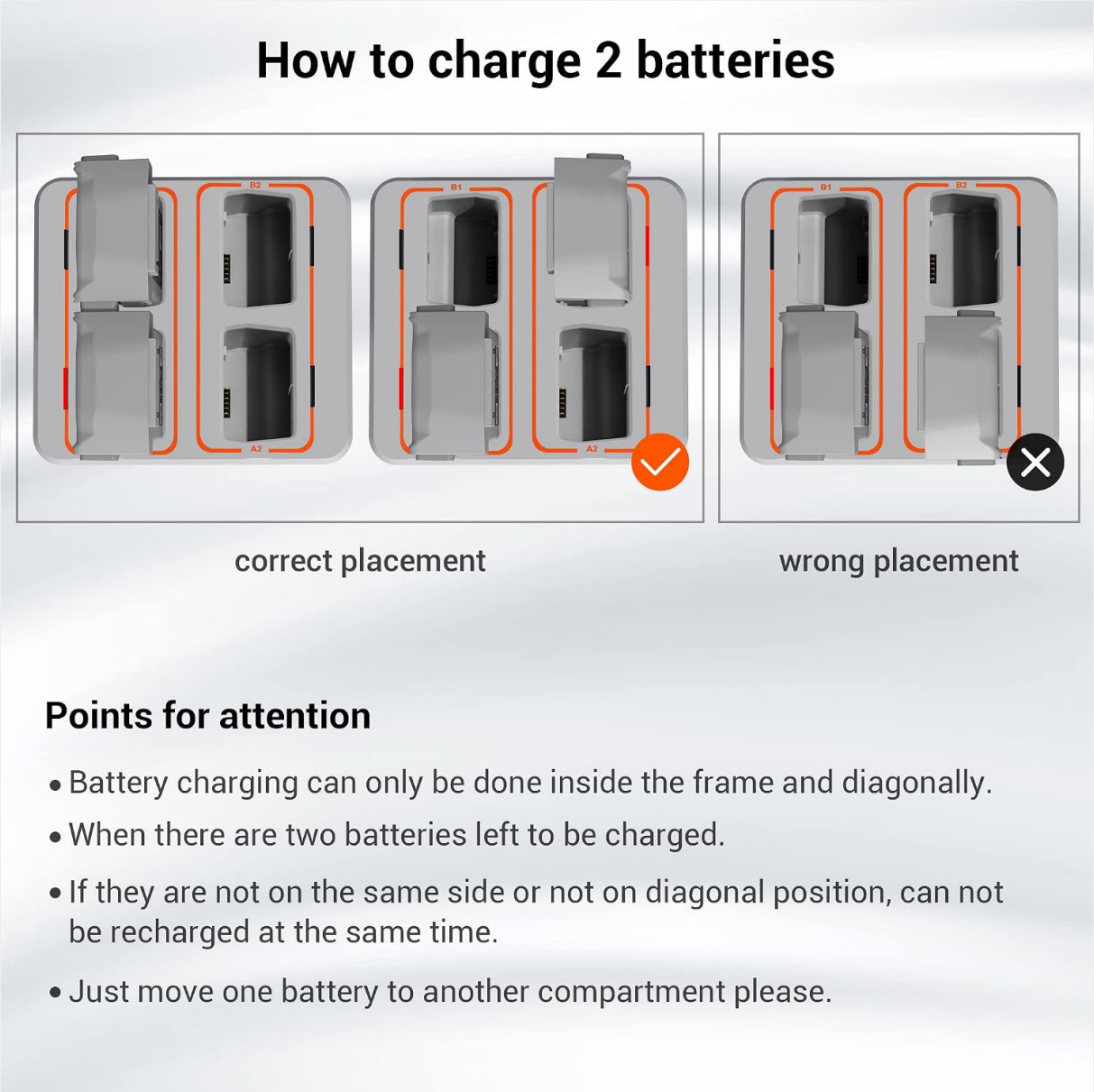


Image: A guide illustrating the correct diagonal placement for two batteries to ensure simultaneous charging, and an example of incorrect placement.

8. Specifications

Feature	Specification
Brand	CYNOVA
Model Number	C-MN-301
Color	Black
Input Voltage	5 Volts
Current Rating	2 Amps (USB Output)
Charging Time (2453mAh Battery)	Approx. 50 min (2 batteries), 100 min (4 batteries) with 65W input
Charging Time (3850mAh Battery)	Approx. 70 min (2 batteries), 140 min (4 batteries) with 65W input
Compatibility	DJI Mini 4 Pro, DJI Mini 3 Pro Intelligent Batteries

Material	ABS+PC
UPC	798610666524



Image: The CYNOVA charging hub shown with its included USB-C cables.

9. Troubleshooting

- **Batteries not charging:** Ensure the charging hub is properly connected to a power source and the power source is active. Check that batteries are inserted correctly. Verify the power adapter meets the minimum wattage requirements.
- **Slow charging:** Ensure your power adapter provides sufficient wattage (PD 65W or above for simultaneous fast charging).
- **Power bank function not working:** Ensure a charged drone battery is inserted into the hub and your external device is connected to the USB-A OUTPUT port.
- If you encounter any other issues, please refer to the warranty and support section for customer service contact information.

10. Warranty and Support

The CYNOVA DJI Mini 4 Pro Battery Charger Hub comes with a**2-year warranty**.

For technical support, warranty claims, or any product-related inquiries, please contact CYNOVA customer service. Refer to the product packaging or the official CYNOVA website for the most current contact details.

11. Product Videos

How to Use DJI Mini 3 Pro Battery Charger Hub

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Video: A detailed demonstration on how to use the CYNOVA charging hub with DJI Mini 3 Pro batteries, including insertion and charging process. (Duration: 0:58)

DJI Mini 3 Pro Battery Charger Hub Overview

Your browser does not support the video tag.

Video: A brief overview of the CYNOVA DJI Mini 3 Pro Battery Charger Hub, showcasing its design and features. (Duration: 0:29)