dji Spark Battery Charging Hub User Guide

SPARK
Battery Charging Hub

Contents

Spark Battery Charging Hub

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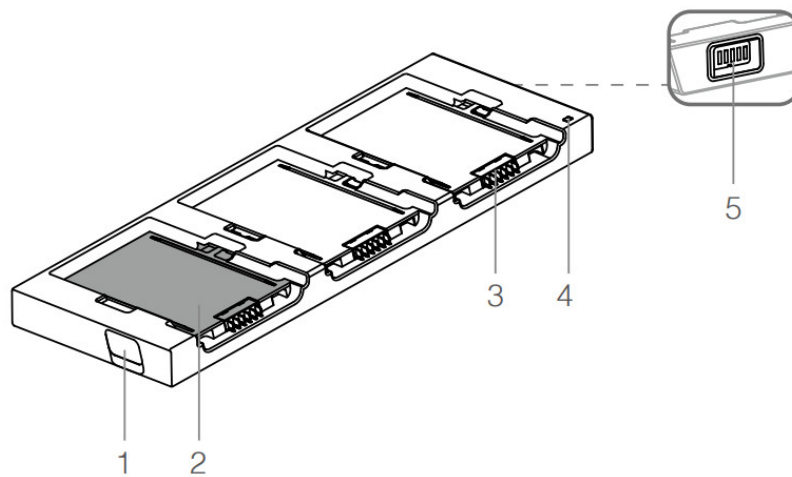
Warning

1. The Charging Hub is only compatible with the battery chargers specified in "Specifications".

2. The Charging Hub is only compatible with MB1-1480mAh-11.4V Intelligent Flight Batteries. DO NOT attempt to use the Charging Hub with other battery models.

3. Ensure the battery temperature is within the appropriate temperature range when in use.

4. The Charging Hub will intelligently limit the charging current if the battery temperature is low to prevent a hazard, which may prolong the charging time.

5. Place the Charging Hub on a flat and stable surface when in use. Ensure the device is properly insulated to prevent fire hazards.

6. DO NOT touch the metal terminals on the Charging Hub.

7. If there is any noticeable buildup, wipe the metal terminals with a clean, dry cloth.

Introduction

The Spark Intelligent Flight Battery Charging Hub is designed for charging the Spark Intelligent Flight Battery. When used with the specified Spark Battery Charger, it can charge up to three Intelligent Flight Batteries in sequence, or even simultaneously, based on their power levels and cell voltage for efficient, optimized charging. When the battery temperature is low, the Charging Hub will limit the charging current to prevent a hazard and to prolong the battery service life.
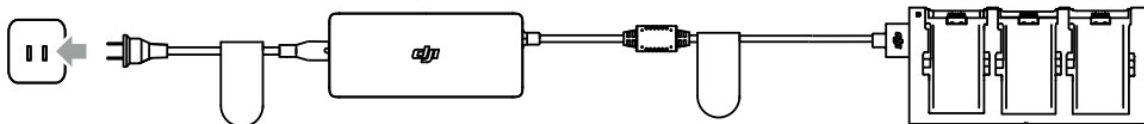
Overview

1. Firmware Update Port (Micro USB)

2. Battery Slot Track

3. Charging Port

4. Status LED

5. Power Port

Using the Charging Hub
Follow the instructions below to use the Charging Hub. Example: Spark Battery Charger (F1C50 Version 2).
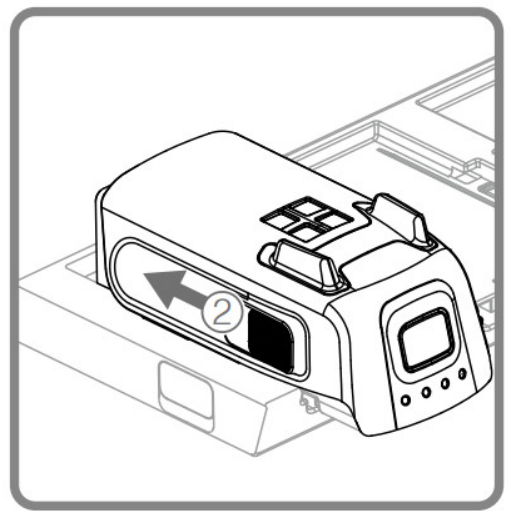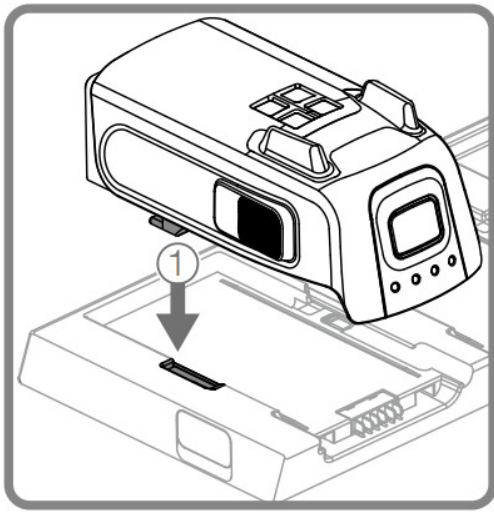
1. Connecting to a Power Source

   Connect the Spark Battery Charger to a power outlet (100-240V 50-60Hz), then connect the Charging Hub to the Spark Battery Charger.

2. Connecting the Batteries

   Align the battery with the Battery Slot Track and put the battery in as shown below. Then push the battery in to make it properly inserted. The Charging Hub will intelligently charge batteries in sequence, or even simultaneously, based on their power levels and cell voltage for efficient, optimized charging. It is normal that there are one or more batteries being charged at the same time due to differences in power levels, battery cell voltage, and battery temperature. Please check the Status LED to monitor charging.

   Refer to "Status LED Indicator Descriptions" for more information about the Status LED indicator's blinking patterns. The Battery Level Indicators will turn off when charging is complete. Detach the batteries from the Charging Hub.

- ⚠ Please make sure the batteries are correctly inserted before charging.
- DO NOT cover the Charging Hub when in use.

Status LED Indicator Descriptions

Status Light	Description
Ⓖ -Pulsing Green	Charging.
Ⓖ — Solid Green	Fully Charged.
Ⓡ — Solid Red	Power supply or battery error. Check components.
Ⓨ — Solid Yellow	Charging Hub connected correctly. Please insert batteries.

Updating Firmware
The Charging Hub can be updated using the firmware update program. If no firmware update program is released on the Downloads page of the official DJI website, it indicates that the product firmware is up-to-date and no update is required.

Specifications

Model	S1CH
Compatible Battery Charger	Spark Battery Charger (F1C50 Version 2)
Compatible Battery Model	MB1-1480 mAh-11.4 V
Operating Temperature Range	32° to 104° F (0° to 40° C)
Input Voltage	13.05 V
Input Current	3.83 A
Weight	67.2 g
Charge Time* (Three Batteries)	Spark Battery Charger (F1C50 Version 2): Approx. 90 minutes

* Charging time was tested in a lab environment at room temperature (25° C).
To be taken as reference only.

Documents / Resources

dji Spark Battery Charging Hub [pdf] User Guide
Spark Battery Charging Hub, Spark, Battery Charging Hub, Charging Hub, Hub

References

- **EU Declaration of Conformity - DJI**

- [DJI - Official Website](#)

- [EU Declaration of Conformity - DJI](#)

- [Spark - DJI](#)

- [Support - DJI](#)