

Battery Station (For TB50)

User Guide

使用说明

使用説明

ユーザーガイド

사용자 가이드

Bedienungsanleitung

Guía de usuario

Guide de l'utilisateur

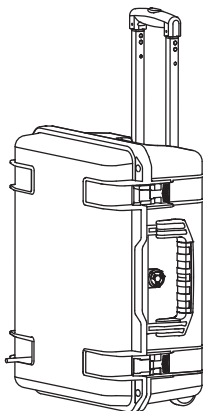
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Manual do utilizador

Руководство пользователя

V1.2 2018.04



Disclaimer

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Warnings

1. Keep any liquids (oil, water etc.) away from the inside of the Battery Station.
2. DO NOT close the Battery Station during charging or discharging, and ensure it is well ventilated and able to dissipate heat.
3. The Battery Station is only compatible with the TB50 Intelligent Battery, GL6D10A/GL800A Remote Controller and WB37-4920mAh-7.6V Intelligent Battery (need to connect with WCH2 Charging Hub). DO NOT attempt to use the Battery Station with any other battery models.
4. Place the Battery Station on a flat and stable surface when in use. Ensure the device is properly insulated to prevent fire hazards.
5. DO NOT touch the metal terminals on the Battery Station. If there is any noticeable debris buildup, wipe the metal terminals with a clean, dry cloth.
6. Take care to avoid injuring fingers when opening or closing the Battery Station, or using the retractable trolley handle.
7. Place the batteries in the specified directions.
8. Air pressure in the Battery Station may change during air transportation or after extreme barometric pressure changes. The pressure valve knob on the side of the Battery Station will balance the air pressure automatically.

Introduction

Featuring multiple battery ports, the Battery Station can charge/discharge up to four TB50 Intelligent Battery pairs (eight batteries). There are Normal and Quick modes for charging, Normal mode charges all inserted batteries simultaneously, and Quick mode charges the pair of batteries with the highest total charge first. Batteries can be discharged to a power level of about 25% or 50% for transportation or storage. Using the remote controller port or the USB port, the Battery Station can also provide power to the INSPIRE™ 2 / RONIN™ 2 / MATRICE™ 200 series remote controller or mobile devices such as smartphones or tablets.

The Battery Station can hold up to 12 TB50 Intelligent Batteries, two WB37-4920mAh-7.6V Intelligent Batteries and a WCH2 Charging Hub. Integrated wheels make the Battery Station easy to maneuver.

In the Box

Battery Station x1



AC Power Cable x1

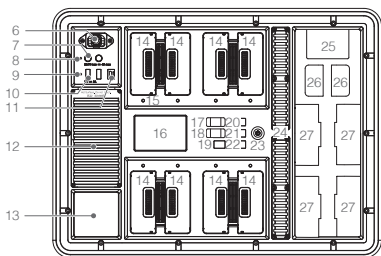
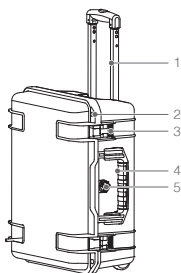


Remote Controller Charging Cable x2



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Overview

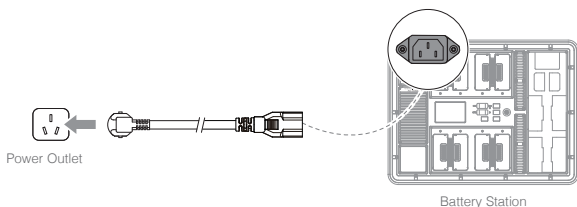


1. Retractable Trolley Handle
2. Padlock Holes
3. Locks
4. Handles
5. Pressure Valve
6. Power Port
7. Remote Controller Port
8. Remote Controller Port Status LED
9. USB Port Status LED
10. USB Port
11. Firmware Update Port (Micro USB)
12. Air Vent
13. AC Power Cable Slot
14. Battery Port
15. Battery Status LED
16. Display Screen
17. Status Switch (Charge/Discharge)
18. Option Switch
19. Menu Button
20. Up Button
21. Down Button
22. Confirm Button
23. Power Button
24. Air Intake
25. WCH2 Charging Hub Slot
26. WB37-4920mAh-7.6V Intelligent Battery Slot
27. TB50 Intelligent Battery Slot

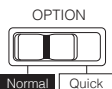
Using the Battery Station

Charging

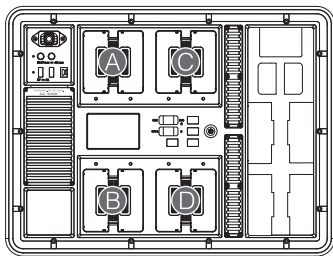
1. Connect the Power Port of the Battery Station to a power outlet (100-240V, 50-60Hz) with the AC power cable.



2. Press the Power Button once to turn on the Battery Station.
3. Toggle the Status Switch to the left to enter the charging status.
4. Toggle the Option Switch to select Normal mode or Quick mode, then press the Confirm Button.
5. Insert the TB50 Intelligent Batteries into the Battery Port to start charging. Refer to the "Battery Status LED Description" section for more information about Status LED patterns.



The eight Battery Ports are divided into four pairs: A, B, C and D.



Normal mode: Two Intelligent Flight Batteries in the same column (such as A1 and B1) will charge simultaneously if their power level is similar. Otherwise, the battery station will charge the battery with the lower power level first then charge both batteries when their power levels become similar. Up to eight batteries can be charged simultaneously.

Quick mode: When two battery pairs are in the same column (such as pairs A and B), the pair with the higher power level will charge first. When the pair is charged 90%, the station will stop charging that pair and charge the other pair. When both pairs reach 90%, the station will continue to charge until all the batteries are fully charged.



- Inserting already-paired batteries into the same pair of battery ports to charge is recommended.



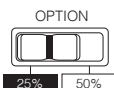
- You can press the Menu Button and then select Silent Mode in Normal Charging to mute the charging station. In this mode, the charging current and the fan speed will be reduced. Note that there will be no sound prompt since the buzzer is turned off.
- If the power is insufficient during charging, the Battery Station will temporarily stop supplying power to the remote controller port to ensure the batteries charge.

Discharging

- Connect the Power Port of the Battery Station to a power outlet (100-240V, 50-60Hz) with the AC power cable.
- Insert the TB50 Intelligent Battery into the Battery Port.
- Press the Power Button to turn on the Battery Station.
- Toggle the Status Switch to the right to enter the discharging status.
- Toggle the Option Switch to discharge the power level to about 25% or 50%, then press the Confirm Button to start discharging.



- Select appropriate discharging power level to meet your needs.
25%: This power level is suitable for safe transportation.
50%: This power level is suitable for safe long-term storage.
- All batteries can be discharged at the same time in discharging status, as soon as inserted into the battery port.



- The discharging process may produce excess heat, please stay away from the air vent to avoid scalding.
- DO NOT close the battery station during discharging and ensure it is both well ventilated and able to dissipate heat, to avoid high temperature in the battery station.

Display Screen

The Display Screen will show each battery's current power level, charging voltage, current, temperature, remaining charging time and error messages when charging/discharging. If the temperature is not appropriate for charging, the battery will heat itself automatically or cool to an appropriate temperature and start charging.




CHARGING			
39% 22.9V 0.0A 49°C Cooling	40% 23.0V 0.0A 3°C Heating	80% 25.1V 0.0A 28.9°C 47min	C2
94% 25.7V 2.9A 34.2°C 15min	95% 25.9V 2.5A 33.8°C 13min	30% 21.2V 6.6A 29.9°C 47min	

: Battery communication failure, failed to charge a battery, or permanent battery failure.









: Short circuit on the remote controller charging port.

: Fan blocked.

Press the Menu Button, select Battery Information, and choose a battery with the Up/Down Button. You can see a corresponding battery's status, temperature, cycle times, total voltage, cell voltage, and more. Press the Up/Down Button on this page to see other batteries' information without returning to the previous menu by pressing the Menu Button.

BATTERY INFORMATION		A1↓
 27	 25.4V	 32
Battery Status	Normal	
SN	09UADBU03100YL	
Version	1.0.0.35	
Cell Voltage	4.32V	4.31V 4.31V
	4.31V	4.31V 4.32V

Battery Status LED Description

Status LED	Description
Charging	
 — Solid Yellow	Ready to charge
 Blinks Yellow Slowly	The battery temperature is too high/low. Temperature must be within operating range
 Blinks Green	Charging
 — Solid Green	Fully charged
 — Solid Red	Intelligent Battery error
Discharging	
 Blinks Yellow	Discharging
 — Solid Yellow	The battery's power level is 25%/50%
 — Solid Red	Intelligent Battery error

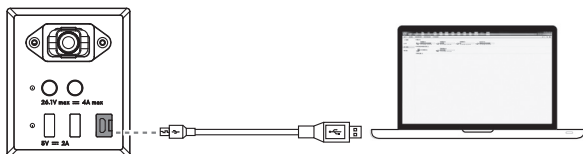
Buzzer Beeping Description

Description	Beeping Pattern
Intelligent Battery (Batteries) in a pair of Battery ports is (are) fully charged	Quick beeping
All Intelligent Batteries are fully charged	Alternating two short and one long beeps, lasting for about 1 hour

Updating the Firmware

Use DJI ASSISTANT™ 2 and follow the instructions below to update the Battery Station.

1. Connect the Battery Station to a power outlet and press the Power Button to turn on the Battery Station. Connect the Battery Station to a computer using a Micro USB cable.



2. Launch DJI Assistant 2 and log in with a registered DJI account.
3. Select "Battery Station" and click "Firmware Upgrade" on the left-hand side.
4. Select the firmware version required.
5. DJI Assistant 2 will download and upgrade the firmware automatically.
6. The Battery Station will automatically restart when the update has been successfully completed.
7. Repeat this process if the firmware update fails for any reason.

Specifications

Model	IN2BS
Dimensions	484 mm × 226.5 mm × 220 mm
Net Weight	7.7 kg
Max Internal Load	12 kg
Compatible Stored Items	TB50 Intelligent Battery × 12 WB37-4920mAh-7.6V Intelligent Battery × 2 WCH2 Charging Hub × 1 AC Power Cable × 1
Input	100-240 V, 50-60 Hz
Output	Battery Port: 26.1 V max., 6.75 A max. × 8 Remote Controller Port: 26.1 V max., 4 A max. × 2 USB Port: 5 V, 2 A × 2
Operating Temperature	41° to 104° F (5° to 40° C)
Charging Time*	TB50 Intelligent Battery: 90 minutes (Normal mode); 35 minutes (Quick mode); 4 hrs 20 minutes (Silent mode) Remote Controller: 2 hrs 24 minutes (GL6D10A); 3 hrs (GL800A)

* Charging times are tested in a lab environment at room temperature. This values should be used for reference only.