FC100 Firefighting Bucket

FB-80 (FC100)

User Manual

1. **Product Introduction**

The FC100 fire bucket is an intelligent firefighting delivery device specially designed for drone mounting. It integrates large-capacity water storage, rapid emergency response, and safe intelligent control functions. It is suitable for complex firefighting scenarios such as high-rise buildings, forest fires, and chemical parks, helping drones achieve efficient operations for 'high-altitude precise firefighting and emergency payload delivery'.

1. **Product Specifications**

一. Product Model: FB-80 (FC100)

Barrel Diameter: 55 cm

Height: 52 cm (less than 20 cm when folded)

Weight: 11.5 kg

Lanyard Length: 10 m

Maximum Hook Load: 200 kg (bucket release in emergencies)

Installation Method: Bolt fixed

Installation Location: Front crossbar of the landing gear

※Control Method: PSDK (DJI payload)

Power Supply Voltage: 24~60V

Operating Temperature: -15℃~60℃

Water Intake Method: Top intake

Valve Opening Response Time: ≤3 seconds

Valve Flow Rate: ≥20 L/s

Communication and Power Interface: DJI FC100 EPort-Lite interface

2. Product List

FC100 Firefighting Bucket *1

Control Box *1

10-meter Suspension Rope *1

Certificate of Conformity *1

Power cable *1

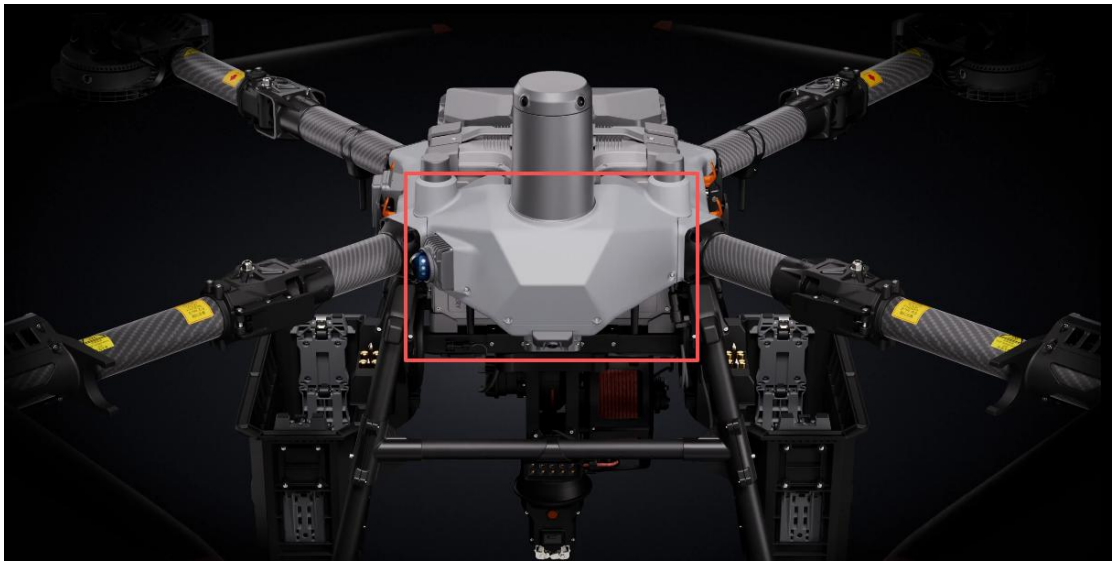
Type-C cable *1

M2.5 L-shaped wrench*1

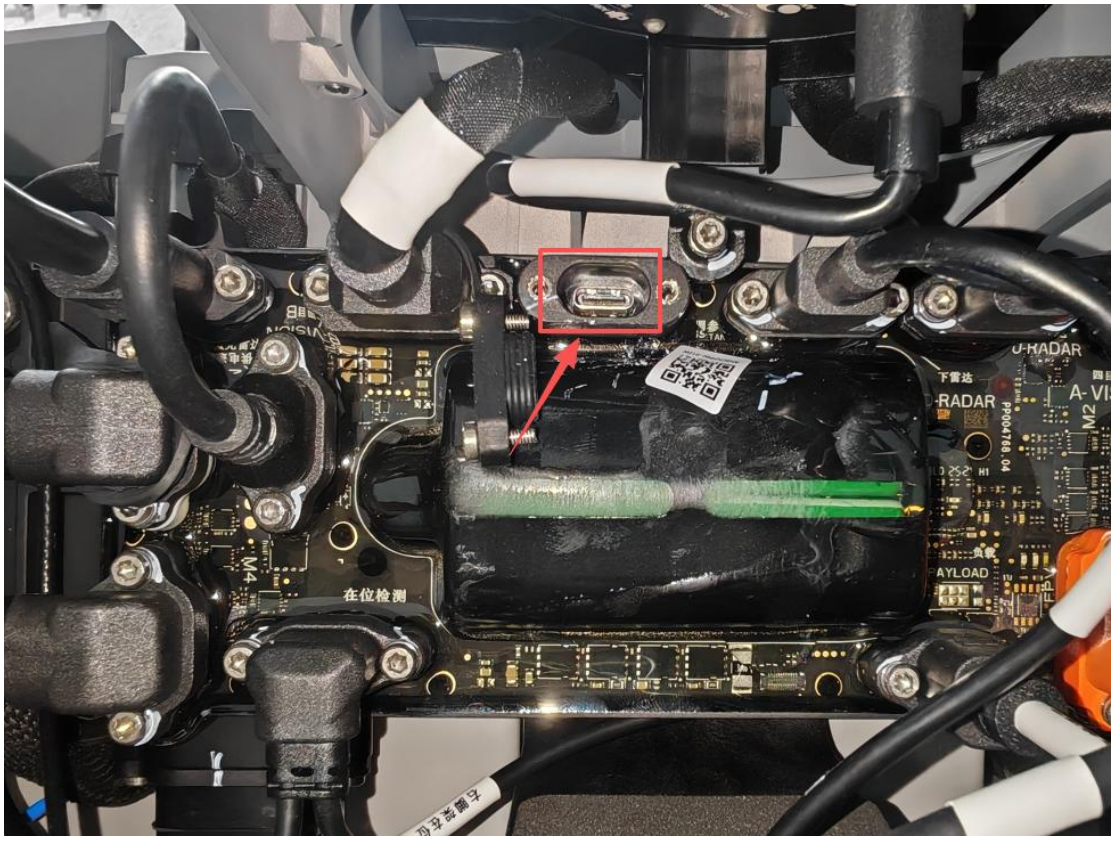
M2.5x5 anti-loosening screws*4

Installation Guide

(1) Remove the airplane's front cover



(1) Connect the included Type-C cable to the Type-C port



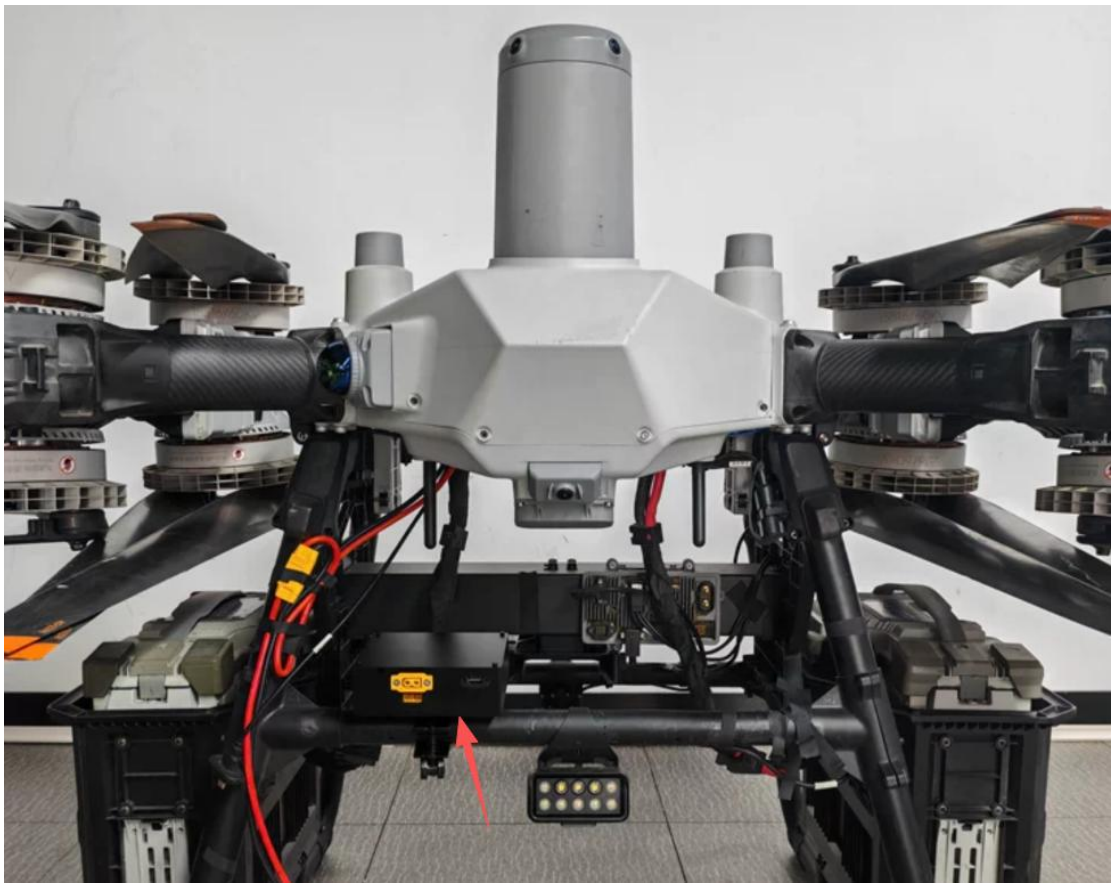
(1) Take out the power cord and connect it to the drone's distribution board.

(1) Prepare the hoist control box

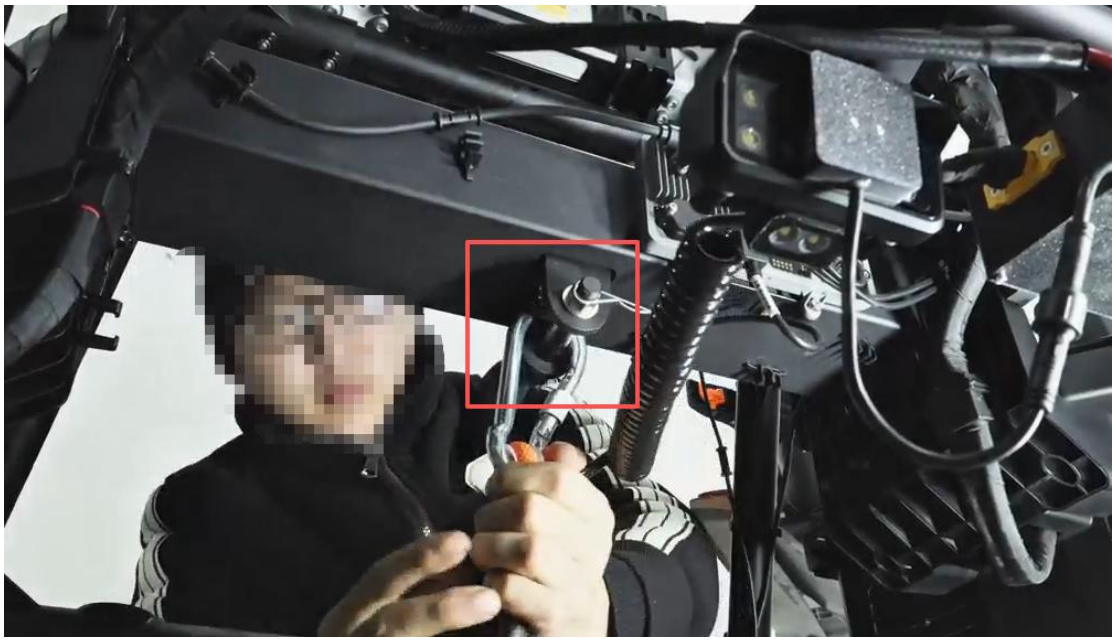


(1) Secure the control box to the front

crossbeam



(1) Hang the rope hook on the fuse shaft (if there is a hook, it can also be hung directly on the hook)



(1) Normal use can commence once wiring is completed.



1.1. 2. User Guide

Component Description

Floating Information 1: Can display prompts and usage status of the

cleaning water gun.

Bucket water release status: Shows whether the bucket is releasing or storing water.

System time: Displays the operating time of the firefighting bucket.

Component 2: Anti-mistouch switch. This switch needs to be turned on when using the following components.

Component 3: Bucket water release. Can control the opening and closing of the

bucket.



(1) **1.2. Operating Steps**

The FC100 firefighting bucket connects to the aircraft via DJI PSDK. Insert the device's Type-C cable into the Type-C port on the front of the FC100 body, and power on the aircraft for a normal connection.

(1) Enter the flight interface and click the PSDK button.



(2) Click to turn on the safety switch



Click the bucket water release button, and the bucket valve will gradually open.



After 10 seconds, the bucket fully opens



3. Disclaimer and Warning

1.2. 4. Thank you for purchasing this product. The content mentioned here relates to your safety as well as your legal rights and responsibilities. Before using this product, please read this document carefully to ensure the product is set up correctly. Failure to follow the instructions and warnings in this document may cause harm to you and others. The final interpretation of this document and all related documents belongs to Shenzhen Jiangzhicai Innovation Technology Co., Ltd. Updates may be made without prior notice.

1、**1.3. Precautions**

2、**2. When removing the firefighting bucket from the aircraft, please disconnect all wires first! ...**

1.3. 3. When installing this product, please make sure it is properly connected and secure. Ensure safety during high-altitude operations!

4. Do not disassemble it without authorization, otherwise you will be responsible for any resulting consequences!

1.4. Warnings

If you encounter hardware issues, please return the product to the factory and contact after-sales service. Do not attempt to disassemble or repair it yourself, otherwise you will void the warranty and lose eligibility

for service.

1、**2. Warranty Terms**

2. From the date of purchase, this product is entitled to free repair service within one year;

3. Product malfunctions caused by the following reasons are not covered by the free warranty:

(1) Malfunctions caused by human factors

(2) Force majeure: product malfunctions caused by natural disasters such as earthquakes or fires

(3) Malfunctions caused by self-disassembly or repair

(4) Damage during return shipping due to not using the original packaging

Product Warranty Card			
Product Name		**Product Model**	
Purchasing entity or individual		**Contact Number**	
Purchase Date			
Fault Description:			

Company Name: Shenzhen Jiangzhizai Innovation Technology Co., Ltd.

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