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SwellPro Fisherman FD1+

SwellPro FD1+ Fisherman Drone Instruction Manual

Model: FD1+ | Brand: SwellPro Fisherman

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective operation of your SwellPro FD1+ Fisherman Drone. Designed for drone fishing, the FD1+ features IP67 waterproofing, a substantial bait capacity, and user-friendly controls. Please read this manual thoroughly before operating the drone to ensure optimal performance and longevity.



Figure 1: SwellPro FD1+ Fisherman Drone and included accessories.

SETUP

1. Battery Charging

Before first use, fully charge the drone battery using the provided charger. The charger is designed for LiHV Balance Charging. Ensure the black cable is inserted into the black port, the red cable into the red port, and the balancer cable into the last remaining slot. Never set the charger above 4 amps; 2.5 amps is recommended for optimal battery life. The charger will beep and display "FULL" when charging is complete.



Figure 2: SwellPro FD1+ drone components, including the battery and charger.

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Video 1: Detailed tutorial on charging the drone battery and remote controller setup.

2. Remote Controller Battery Installation

The remote controller requires four fresh AA batteries. Open the battery compartment on the backside of the remote and insert the batteries, ensuring correct polarity. Close the compartment securely.

3. Drone Battery Installation

Firmly push the charged drone battery into its designated slot on the drone. Ensure it clicks into place. Close the watertight hatch and lock it securely to prevent water ingress.

4. Propeller Installation

Each propeller is marked 'A' or 'B'. Match the propeller to its corresponding motor. Tighten each propeller by hand first, then use the provided prop wrench to snug them up with a few more clicks. Ensure they are firmly attached but do not

overtighten.

5. Payload Leash and Bait Attachment

Create a short dropper loop to use as a payload leash and attach it to your fishing rig's swivel. Secure your bait onto the hook. Place the loop of the payload leash into the drone's release mechanism. Press the payload switch on your remote to secure it before flight.



Figure 3: The FD1+ drone is capable of carrying up to 4.8 lbs (2.2 kg) of bait and casting up to 1.3 km.

6. Pre-Flight Checks & Calibration

Before powering on the remote, ensure all switches are in the 'up' position. Power on the remote; the drone will begin to calibrate itself. Monitor the remote interface: check remote voltage (keep above 4.5 volts), current flight mode (GPS, Atti, or Cruise), drone battery voltage (keep above 24 volts), and GPS satellites (wait for at least 9 satellites before flight). Calibration typically takes about three minutes.



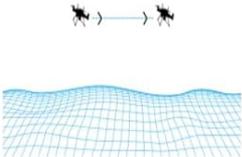
	Cruise Mode Automatically fly at a constant speed and direction.		Calibration-free Flight Sensors
GPS 9.0 Precise Positioning		Auto Return <ul style="list-style-type: none">· One-key Return· Low Battery Status· Singal Loss	

Figure 4: Key flight features including GPS 9.0 for precise positioning, Cruise Mode for constant speed, Calibration-free sensors, and Auto Return.

OPERATING INSTRUCTIONS

1. Basic Flight Controls

Stand at least 3 meters away from the drone. To engage the motors, push both joysticks down and inwards simultaneously. The left joystick controls vertical position (up/down) and yaw (left/right rotation). The right joystick controls horizontal movement (forward/backward, left/right strafing).



Figure 5: The FD1+ drone and its remote controller ready for operation on the beach.

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Video 2: Introduction to the Fisherman FD1+ drone and its capabilities.

2. Bait Release

Once the drone is positioned over your desired bait drop location, press the payload switch on the remote to release the bait. The drone will then be free to return.

3. Auto-Return Function

To initiate the auto-return function, press the "Return to Home" switch on the remote. The drone will automatically fly back

to its take-off point. This feature is also triggered in emergencies such as low battery or signal loss.

MAINTENANCE

1. Post-Flight Cleaning

After each use, especially in saltwater environments, thoroughly rinse the drone with fresh water. This is crucial to prevent sand or salt buildup, which can affect the drone's performance and longevity. Never skip this step.



Figure 6: The FD1+ drone is IP67 waterproof and self-floating, with an auto-flip feature for recovery if it overturns in water.

TROUBLESHOOTING

- **Drone not powering on:** Ensure the battery is fully charged and correctly inserted. Check the remote controller batteries.
- **Loss of signal:** Ensure you are within the 1.3 KM operating range. Check for environmental interference. The drone's auto-return feature should activate.

- **Drone flips in water:** Utilize the auto-flip feature by manipulating the joysticks to right the drone.
- **Propellers not spinning:** Ensure motors are engaged by pushing joysticks down and in. Check for any obstructions around the propellers.

SPECIFICATIONS

Feature	Detail
Brand	SwellPro Fisherman
Model Name	FD1+
Special Feature	Auto-Flip, WaterProof
IP Rating	IP67 (Aircraft)
Bait Capacity	4.8 lbs (2.2 kg)
Maximum Range	1.3 Kilometers (0.8 mile)
Battery Capacity	4200 Milliamp Hours
Control Type	Remote Control
Skill Level	Beginner
Product Dimensions	24.72"L x 24.72"W x 8.58"H
Item Weight	12.47 pounds
Material	Plastic

WHAT'S IN THE BOX

- Aircraft x 1
- Remote Controller x 1
- Bait release x 1
- Charger x 1
- Battery x 1
- Propellers (Pair) x 2
- Carry case x 1

What will you get?

Package included:

- Aircraft x1
- Remote Controller x1
- Bait Release x1
- Propeller Pair x2
- Flight Battery x1
- Balance Charger & Cable x1
- Power Adapter x1
- Hex screwdriver x1
- propeller wrench x1
- Manual x1
- Carry Case x1



Figure 7: Complete package contents of the SwellPro FD1+ Fisherman Drone.

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official SwellPro website or contact their customer service directly. Keep your purchase receipt as proof of purchase.