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## FIFISH FIFISH V-EVO

# FIFISH V-EVO 4K60FPS Underwater Drone Instruction Manual

Model: FIFISH V-EVO

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective operation of your FIFISH V-EVO underwater drone. Please read this manual thoroughly before using the product and retain it for future reference.

## 2. SAFETY INFORMATION

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Always operate the FIFISH V-EVO in accordance with local regulations and safety guidelines. Ensure the drone is properly maintained and inspected before each use. Avoid operating in extreme weather conditions or areas with strong currents that exceed the drone's capabilities. Keep all body parts clear of propellers during operation. Do not attempt to modify the drone or its components.

## 3. PACKAGE CONTENTS

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The FIFISH V-EVO package includes the following items:

- FIFISH V-EVO Underwater Drone
- Remote Control
- Spool (tether)
- Robotic Arm
- FIFISH BOX



Figure 3.1: Contents of the FIFISH V-EVO package.

## 4. PRODUCT OVERVIEW

The FIFISH V-EVO is an advanced underwater drone designed for exploration and professional tasks. It features a hydrodynamic design for minimal resistance and enhanced maneuverability.

### 4.1 Key Features

- **4K 60FPS High Frame-rate Camera:** Captures professional-grade underwater footage with enhanced smoothness.
- **Removable SD Card:** Provides convenient storage and file transfer capabilities.
- **360° Omnidirectional Mobility:** Offers full freedom of movement, hovering, and posture holds underwater.
- **5000 Ultra-bright Lumen LEDs:** Two combined 5000 lumens, 5500K white LED lights optimize vision in dark and turbid environments.
- **166° Ultra Wide Lens:** Expansive field of view for capturing a broader underwater perspective.



Figure 4.1: Front view of the FIFISH V-EVO drone highlighting camera and lights.



Figure 4.2: The FIFISH V-EVO drone navigating an underwater environment.

## 5. SETUP

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### 5.1 Charging the Drone

Ensure the drone is fully charged before use. Connect the charger to the drone's charging port. The battery indicator on the drone will show charging status. Fast-charging capabilities allow for 90% capacity within 1 hour.

### 5.2 Connecting Components

1. Attach the tether to the drone's connection port.
2. Connect the other end of the tether to the remote control.
3. Mount your smartphone or tablet onto the remote control's holder.
4. Power on the remote control and the drone.
5. Open the FIFISH application on your mobile device and connect to the drone's Wi-Fi network.



# 5000 Bright Lumen LEDs

Optimize your vision across the deep sea. Restore the colors in the world below, especially in dark and turbid environments.

Figure 5.1: Drone, remote control, and tether connected for operation.

## 6. OPERATING THE DRONE

The FIFISH V-EVO offers intuitive controls for seamless underwater navigation.

### 6.1 Basic Movement

Use the joysticks on the remote control to maneuver the drone forward, backward, up, down, and rotate. The 360° omnidirectional movement allows for precise positioning.

### 6.2 Depth Hold and Tilt Lock

The drone features a depth hold function to maintain a stable depth automatically. Utilize the tilt lock mode for stable vertical shooting or scanning the ocean floor at specific angles.



Figure 6.1: Visual representation of the drone's 360° omnidirectional movement.

### 6.3 Removable SD Card

The removable SD card slot is located on the underside of the drone. Use the provided tool to unlock and remove the protective cover, then insert or remove the micro SD card. Ensure the cover is securely fastened before diving.

## Removable SD Card

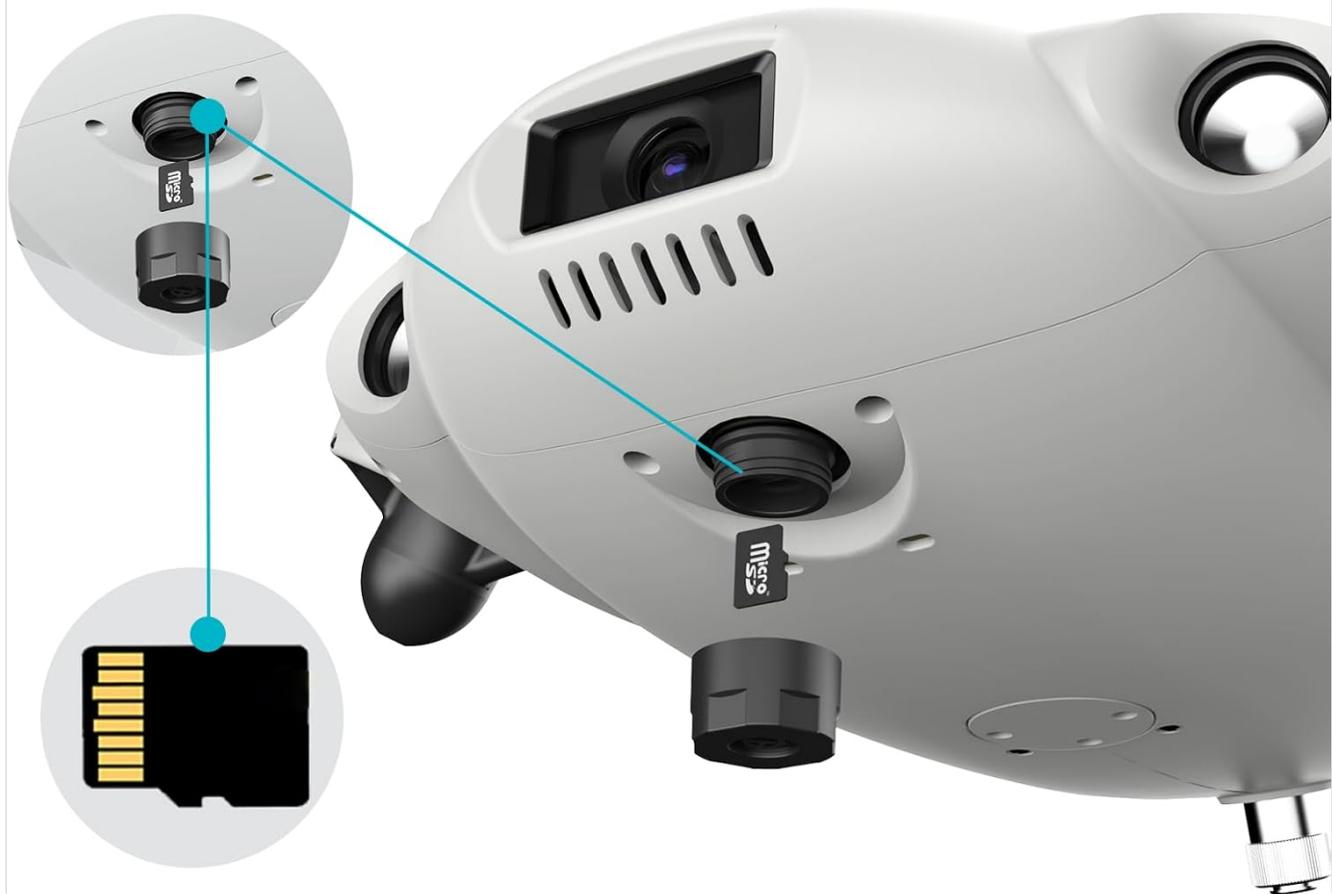


Figure 6.2: Detailed view of the removable SD card slot and insertion process.

### 6.4 VR Immersive Control

For an immersive experience, connect a compatible VR headset to the remote control. This allows for first-person view control, where drone movement can be linked to head movements.

Video 6.1: Demonstrates the FIFISH V-EVO drone's VR immersive control capabilities.

## 7. ACCESSORIES

The FIFISH V-EVO supports various accessories to enhance its functionality for different tasks.

### 7.1 Robotic Arm

The included robotic arm can be attached to the drone for retrieving objects or performing delicate tasks underwater. Ensure it is securely mounted before deployment.

● REC



**1080P** HD Camera

**FIFISH V-EVO** drone: Explore Without Limits

Figure 7.1: The robotic arm attached to the FIFISH V-EVO drone.

## 7.2 Other Compatible Tools

The drone features an attachment port that accommodates a variety of tools, enabling integration and versatility for various tasks and scenarios. These include:

- Water samplers
- Dissolved oxygen sensors
- Salinity sensors
- Turbidity sensors
- pH sensors
- Sludge samplers
- Underwater positioning systems
- Doppler Velocity Logs

## 8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your FIFISH V-EVO drone.

## 8.1 Cleaning

After each use, rinse the drone thoroughly with fresh water to remove salt, sand, or other debris. Pay special attention to the propellers and camera lens. Dry the drone completely before storage.

## 8.2 Storage

Store the drone and its components in a cool, dry place away from direct sunlight. Ensure the battery is partially charged (around 50-60%) for long-term storage to maintain battery health.

## 9. TROUBLESHOOTING

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If you encounter any issues with your FIFISH V-EVO, please refer to the following common problems and solutions:

- **Drone not powering on:** Ensure the battery is charged and all connections are secure.
- **Loss of connection:** Check Wi-Fi signal strength and ensure the remote control and drone are within range. Restart both devices if necessary.
- **Poor video quality:** Clean the camera lens. Check water clarity in your operating area.
- **Drone not responding to controls:** Verify remote control battery level and ensure proper connection to the drone.

For further assistance, please contact FIFISH customer service.

## 10. SPECIFICATIONS

Feature	Detail
Brand	FIFISH
Model Name	FIFISH V-EVO
Video Capture Resolution	4K
Special Feature	Removable SD Card
Control Type	Remote Control
Battery Cell Composition	Lithium Ion
Item Weight	28.6 pounds
Max Dive Depth	330ft (100m)

## 11. WARRANTY & SUPPORT

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FIFISH provides customer support for any product-related issues. If you encounter any problems, please feel free to contact our Amazon customer service. We will reply to your message within 24 hours and provide solutions. For detailed warranty information, please refer to the official FIFISH website or contact customer support.

**Contact Support:** [Visit the FIFISH Store on Amazon](#)