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› WeFone WF30 GPS Drone Instruction Manual

## WeFone WF30

# WeFone WF30 GPS Drone Instruction Manual

Model: WF30

## 1. INTRODUCTION

This instruction manual provides essential information for the safe operation and maintenance of your WeFone WF30 GPS Drone. Please read this manual thoroughly before operating the drone to ensure proper usage and to prevent damage or injury. Keep this manual for future reference.



*The WeFone WF30 GPS Drone in flight, showcasing its design and capabilities.*

## 2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- WeFone WF30-5G-4K Drone (x1)
- Remote Control (x1)
- Rechargeable Lithium Ion Batteries (x2)
- Spare Propellers (x8)
- Small Screwdriver (x1)
- Screws (x8)
- USB Charger (x1)

- Carrying Case (x1)
- Instruction Manual (English/Japanese/German) (x1)



*All components included in the WeFone WF30 drone package.*

### 3. PRODUCT OVERVIEW

The WeFone WF30 is a foldable GPS drone designed for ease of use and stable flight, featuring a 4K camera for high-quality aerial photography and videography.

#### 3.1 Key Features

- **4K UHD Camera:** Electrically adjustable 90° camera with a 117° wide-angle lens.
- **5G FPV Transmission:** Real-time video feed up to 300 meters.
- **GPS Smart Return:** Automatic return to home on low battery, weak signal, or one-key command.
- **Intelligent Flight Modes:** Follow Me, Waypoint Flight, Point of Interest.
- **Beginner-Friendly Controls:** One-key takeoff/landing, Headless Mode, Speed Switching.
- **Extended Flight Time:** Up to 40 minutes with two included rechargeable batteries (20 minutes per battery).
- **Brushless Motors:** Provides smoother flight, faster speeds, lower noise, and longer lifespan.
- **Stable Hovering:** Equipped with upgraded hovering system and optical flow positioning technology.

- **Portable Design:** Foldable and lightweight (under 249 grams), no FAA registration required.

## ***Powerful and Stable High-power brushless motor provide more stable flight***



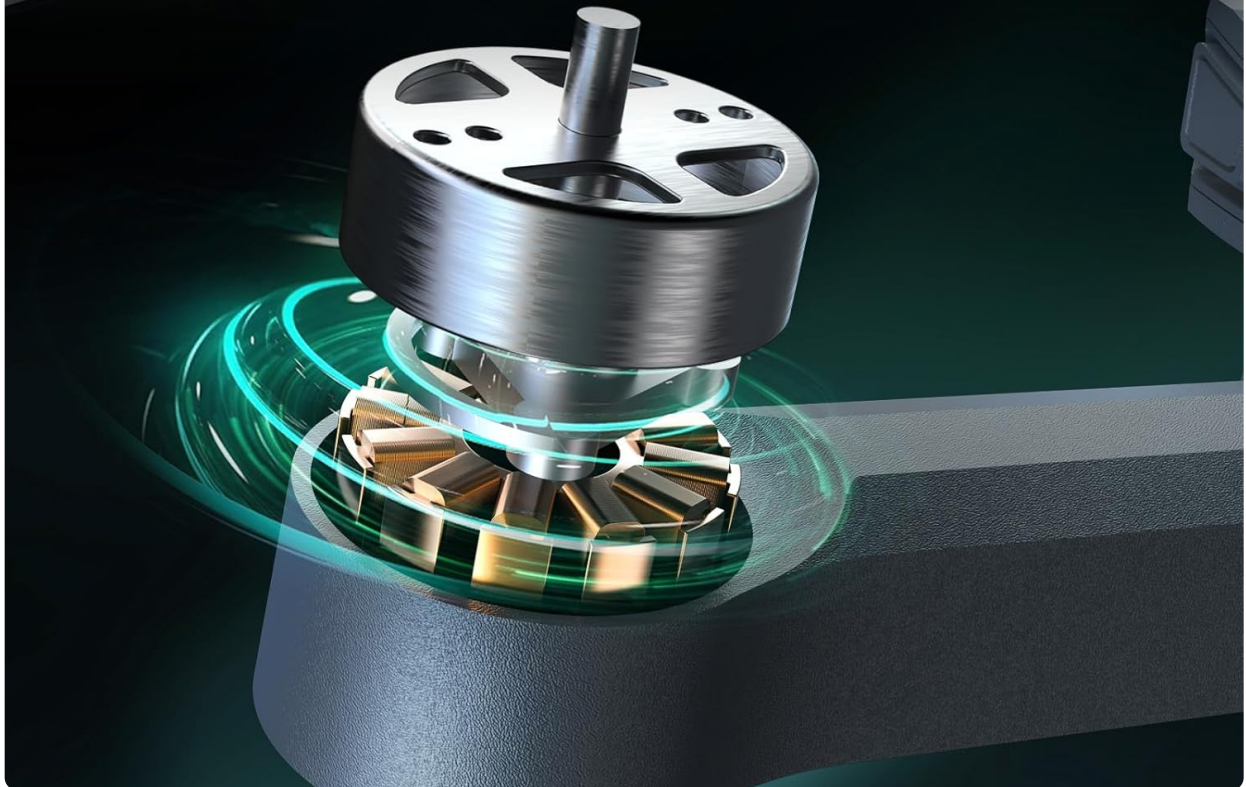
*Longer life*



*Lower noise*



*Stronger power*



*The brushless motor provides stable and efficient flight.*

# No FAA/CAA Registration Required

## Ultra lightweight



*The drone's foldable design and lightweight nature make it highly portable.*

## 4. SETUP

### 4.1 Charging Batteries

Before first use, fully charge both drone batteries and the remote control battery (if applicable). Use the provided USB charger. Connect the USB charger to a computer USB port or a low-power USB adapter (5V/1A). Do not use high-power wall chargers as this may damage the batteries.

- **Drone Battery:** Insert the battery into the charger. The indicator light will show charging status.
- **Remote Control:** Connect the USB cable to the remote control's charging port.

# 40 Mins Max Flight Time



*Ensure batteries are fully charged for optimal flight time.*

## 4.2 Installing Drone Batteries

1. Unfold the drone arms.
2. Insert a fully charged battery into the battery compartment on the drone until it clicks into place.
3. To remove, press the release button and slide the battery out.

## 4.3 Propeller Installation/Replacement

The propellers are marked 'A' and 'B'. Ensure they are installed on the correct motor arms as indicated on the drone. Use the provided screwdriver and screws for secure attachment.

- Match 'A' propellers to 'A' motor arms and 'B' propellers to 'B' motor arms.
- Tighten screws firmly but do not overtighten.

## 4.4 Remote Control Setup

1. Install 3 AA batteries (not included) into the remote control.
2. Extend the phone holder on the remote control.

## 4.5 App Installation and Connection

1. Download the official WeFone drone app from your smartphone's app store by scanning the QR code in the manual or searching for "WeFone Drone".
2. Power on the drone and the remote control.
3. On your smartphone, go to Wi-Fi settings and connect to the drone's Wi-Fi network (usually starts with "WF-").
4. Open the WeFone drone app. The app should automatically connect to the drone, displaying the live camera feed.



*Connecting your smartphone to the drone for real-time 4K FPV transmission.*

## 5. OPERATION

### 5.1 Pre-Flight Checklist

- Ensure drone and remote control batteries are fully charged.
- Check propellers for damage and ensure they are securely attached.
- Ensure the drone arms are fully unfolded.
- Choose an open, clear area free from obstacles, people, and animals.
- Check local regulations for drone flight.

## 5.2 Calibration

Proper calibration is crucial for stable flight. Perform calibration before each flight, especially when flying in a new location.

1. **Compass Calibration:** Follow the instructions in the app or manual to rotate the drone horizontally and vertically until calibration is complete.
2. **Gyro Calibration:** Place the drone on a flat surface and perform gyro calibration via the remote control or app.

## 5.3 Takeoff and Landing

- **One-Key Takeoff:** Press the one-key takeoff button on the remote control or in the app. The drone will automatically ascend to a safe hovering height.
- **Manual Takeoff:** Push both joysticks down and outwards to start the motors. Then, slowly push the left joystick up to ascend.
- **One-Key Landing:** Press the one-key landing button. The drone will automatically descend and land.
- **Manual Landing:** Slowly pull the left joystick down to descend. Once landed, push both joysticks down and outwards to stop the motors.



# Beginner-friendly

The image illustrates the ease of use for beginners with three key features:

- Speed Adjustable:** A small inset image shows a person in a white dress running in a field, with a drone flying above. The drone's speed is indicated by a scale from 'High' to 'Low'.
- One-key Start/Landing:** A small inset image shows a drone hovering over a rocky landscape, with a blue arrow pointing up and a blue arrow pointing down, indicating the one-key start and landing functions.
- Headless Mode:** A small inset image shows a drone hovering over a grassy field, with a yellow cone and a person sitting on the ground, illustrating the headless mode where the drone's orientation is not dependent on the user's perspective.

*Beginner-friendly controls simplify takeoff, landing, and flight adjustments.*

## 5.4 Flight Controls

The remote control uses two joysticks for flight manipulation:

- **Left Joystick:** Controls altitude (up/down) and rotation (yaw left/right).
- **Right Joystick:** Controls forward/backward movement and left/right strafing.

## 5.5 Intelligent Flight Modes

The WeFone WF30 offers several intelligent flight modes for enhanced flight experience:

- **Follow Me Mode:** The drone will automatically follow the remote controller or smartphone.
- **Waypoint Flight:** Draw a path on the app map, and the drone will fly along the designated route.
- **Point of Interest:** Select a central point, and the drone will circle around it at a set radius and altitude.
- **Headless Mode:** The drone's orientation is relative to the pilot, simplifying control regardless of the drone's front direction.
- **Speed Switching:** Adjust flight speed (low/medium/high) to suit your skill level and environmental conditions.
- **GPS Smart Return to Home (RTH):** The drone will automatically return to its takeoff point under the following conditions:
  - Low battery
  - Weak signal
  - Manual one-key return command



Tap-Fly



Follow Me



Point of Interest

Explore advanced flight capabilities with intelligent modes like Tap-Fly, Follow Me, and Point of Interest.

# GPS Smart Return

Never Worry About Losing Your Drone Again.



Signal Loss  
RTH



One-key  
RTH



Low Battery  
RTH

*GPS Smart Return ensures the drone safely returns to its starting point.*

## 5.6 Camera Operation

The 4K UHD camera captures high-resolution photos and videos. Use the dedicated buttons on the remote control or the app interface to control the camera.

- **Take Photo:** Press the photo button on the remote or tap the camera icon in the app.
- **Start/Stop Video:** Press the video button on the remote or tap the video icon in the app.
- **Adjust Camera Angle:** Use the dedicated button/dial on the remote control or the app to adjust the camera's 90° tilt.

## 4K UHD Camera

117° wide-angle 4K camera provides you with an unparalleled field of view.

4K  
Camera

117°  
Wide Angle

90°  
Adjustable



*The 4K UHD camera offers a wide-angle view and adjustable tilt for diverse shots.*

## 6. MAINTENANCE

### 6.1 Cleaning

- Use a soft, dry cloth to clean the drone body and camera lens.
- Do not use alcohol or other chemical solvents.

### 6.2 Propeller Replacement

If propellers are damaged, replace them immediately using the spare propellers and screwdriver provided. Ensure correct 'A' and 'B' propeller placement.

### 6.3 Battery Care

- Do not overcharge or over-discharge batteries.
- Store batteries in a cool, dry place away from direct sunlight.
- If not used for an extended period, charge batteries to about 50% capacity every three months.

### 6.4 Storage

When not in use, fold the drone arms and store it in the provided carrying case to protect it from dust and damage.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on	Battery not installed correctly; Battery discharged	Reinstall battery; Charge battery fully
Remote control not connecting	Remote control batteries low; Not paired correctly	Replace remote control batteries; Re-pair drone and remote (refer to manual for pairing steps)
Drone unstable during flight	Improper calibration; Damaged propellers; Strong winds	Perform compass and gyro calibration; Replace damaged propellers; Fly in calm conditions

Problem	Possible Cause	Solution
No FPV video feed	Not connected to drone Wi-Fi; App not open; Signal interference	Connect to drone's Wi-Fi network; Open the drone app; Move to an area with less interference
Drone flies away unexpectedly	GPS signal lost; Improper calibration; Strong winds	Ensure strong GPS signal before takeoff; Recalibrate; Do not fly in strong winds. Use GPS Return Home if possible.

## 8. SPECIFICATIONS

Feature	Detail
Model Name	WeFone WF30
Item Weight	249 Grams (8.8 ounces)
Product Dimensions (Unfolded)	11.81"L x 9.69"W x 2.09"H
Video Capture Resolution	4K
Camera Features	90° Adjustable, 117° Wide-Angle Lens
Connectivity Technology	USB (for charging), Wi-Fi (for FPV)
Wireless Communication	5G
Maximum Range	300 Meters
Battery Type	Lithium Ion (2 included)
Flight Time	Up to 40 minutes (20 minutes per battery)
Skill Level	Beginner
Material	Plastic

## 9. SAFETY GUIDELINES

- Always operate the drone in open areas, away from people, buildings, and obstacles.
- Do not fly in strong winds, rain, or other adverse weather conditions.
- Maintain a safe distance from the drone during operation.
- Never fly over crowds or private property without permission.
- Keep fingers and loose clothing away from rotating propellers.
- Ensure the drone is within your line of sight at all times.
- Do not modify the drone or its components.
- Follow all local laws and regulations regarding drone operation.

## 10. SUPPORT

For technical support, user guides, or after-sales service, please contact WeFone customer support. Our

team is available to assist you within 24 hours.



**Customer Support within 24 hours**

- Technical Support
- User Guide
- After-sales Service

*WeFone customer support is available to assist with any inquiries.*

- Technical Support
- User Guide Assistance
- After-sales Service