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› Contixo F21 Pro Drone Instruction Manual

Contixo F21 Pro

Contixo F21 Pro Drone Instruction Manual

Model: F21 Pro

INTRODUCTION

Thank you for choosing the Contixo F21 Pro Drone. This manual provides essential information for the safe operation, setup, and maintenance of your drone. Please read this manual thoroughly before operating the device to ensure proper usage and to prevent damage.

1. SETUP

1.1 What's in the Box

Verify that all components are present in the package:

- Contixo F21 Pro Drone
- Remote Control (with 4.3" integrated screen)
- 2 x 3.7V 1200mAh Batteries
- 8 x Propeller Replacements
- 4 x Propeller Guards
- USB Charging Cable
- 16GB SD Card
- Screwdriver
- Landing Pad
- Carrying Case
- Instruction Manual
- Quick Guide

Product Include



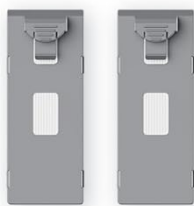
1 ×
F21 Pro Drone



1 ×
Transmitter



1 ×
Carrying Case



2 ×
Battery



8 ×
Propeller Replacement



4 ×
Propellers Guard



1 ×
Memory Card



1 ×
Manual



1 ×
Quick Guide



1 ×
Charging Cable



1 ×
Screwdriver

Image: All components included in the Contixo F21 Pro Drone package.

1.2 Battery Charging and Installation

The drone is powered by two 3.7V 1200mAh Lithium-Ion batteries. Ensure both batteries are fully charged before first use.

1. Connect the USB charging cable to the battery and a suitable USB power adapter (not included).
2. The charging indicator on the battery will show its status (refer to the Quick Guide for specific light patterns).
3. Once fully charged, disconnect the battery.
4. Insert the charged battery into the drone's battery compartment until it clicks securely into place.

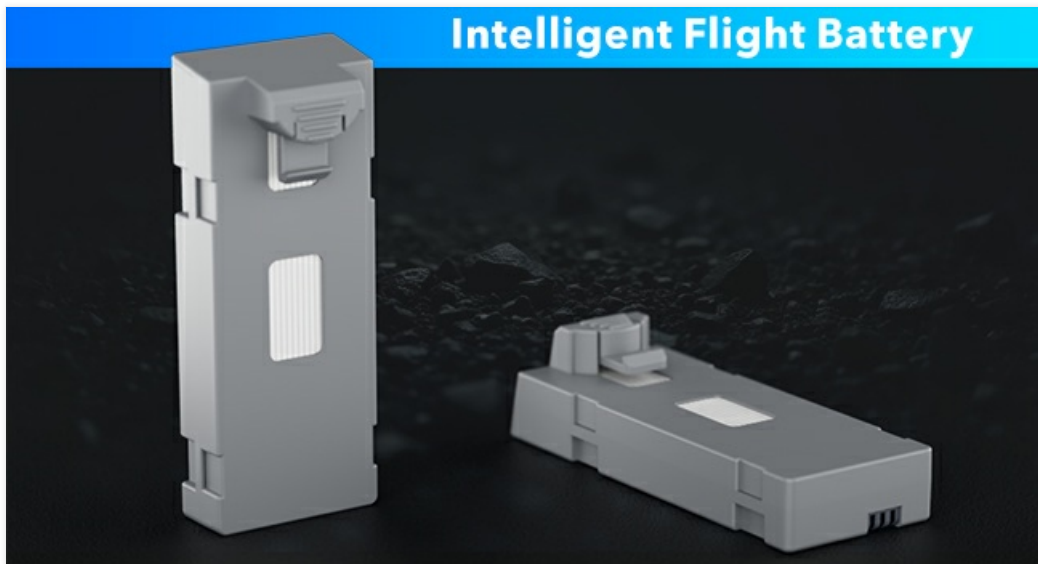


Image: The intelligent flight battery for the Contixo F21 Pro Drone.

1.3 Propeller Installation

The drone comes with pre-installed propellers. If replacement is needed:

1. Identify the correct propeller for each motor (marked A or B).
2. Use the provided screwdriver to remove the screw holding the old propeller.
3. Place the new propeller onto the motor shaft, aligning it correctly.
4. Secure the propeller with a screw. Ensure all propellers are firmly attached before flight.

1.4 Remote Control Setup

The remote control features an integrated 4.3-inch screen for live video feed and flight data.

1. Ensure the remote control is charged.
2. Power on the remote control.
3. Power on the drone.
4. The remote control and drone should automatically pair. If not, refer to the Quick Guide for pairing instructions.



Image: The 2.4GHz remote control for the Contixo F21 Pro Drone, featuring an integrated screen.

1.5 Drone Preparation

The F21 Pro drone features a foldable design for portability.

1. Gently unfold the drone arms until they lock into position.
2. Attach the propeller guards if flying indoors or in crowded areas for added protection.



Image: The Contixo F21 Pro Drone in its compact, folded state and unfolded for flight.

2. OPERATING INSTRUCTIONS

2.1 Basic Flight Controls

Familiarize yourself with the remote control sticks and buttons for basic flight maneuvers:

- **Take-off/Landing:** Use the dedicated one-key take-off/landing button or manually control with the throttle stick.
- **Altitude Hold:** The drone maintains a stable altitude automatically, allowing for easier control.
- **Directional Control:** Use the directional stick to move the drone forward, backward, left, and right.
- **Rotation:** Use the rotation control to turn the drone left or right.

2.2 Intelligent Flight Modes

The F21 Pro drone includes several intelligent flight features to enhance your experience:

- **Obstacle Avoidance:** Equipped with 270° environmental perception, the drone can sense obstacles and automatically stop to prevent collisions. This feature is primarily for indoor use.



Image: The Contixo F21 Pro Drone demonstrating its obstacle avoidance capability.

- **Optical Flow Positioning:** This system helps the drone hover steadily, improving stability, especially for beginners.
- **Altitude Hold:** Maintains a consistent altitude, simplifying flight control.



Image: The Contixo F21 Pro Drone maintaining a stable altitude using its Altitude Hold feature.

- **Gesture Selfie:** Activate camera functions with simple hand gestures.
- **Follow Object/Palm Follow:** The drone can track and follow a designated object or your palm.
- **Gravity Control:** Control the drone's movement by tilting your remote.
- **360° Flips and Rolls:** Execute aerial acrobatics with a dedicated button.

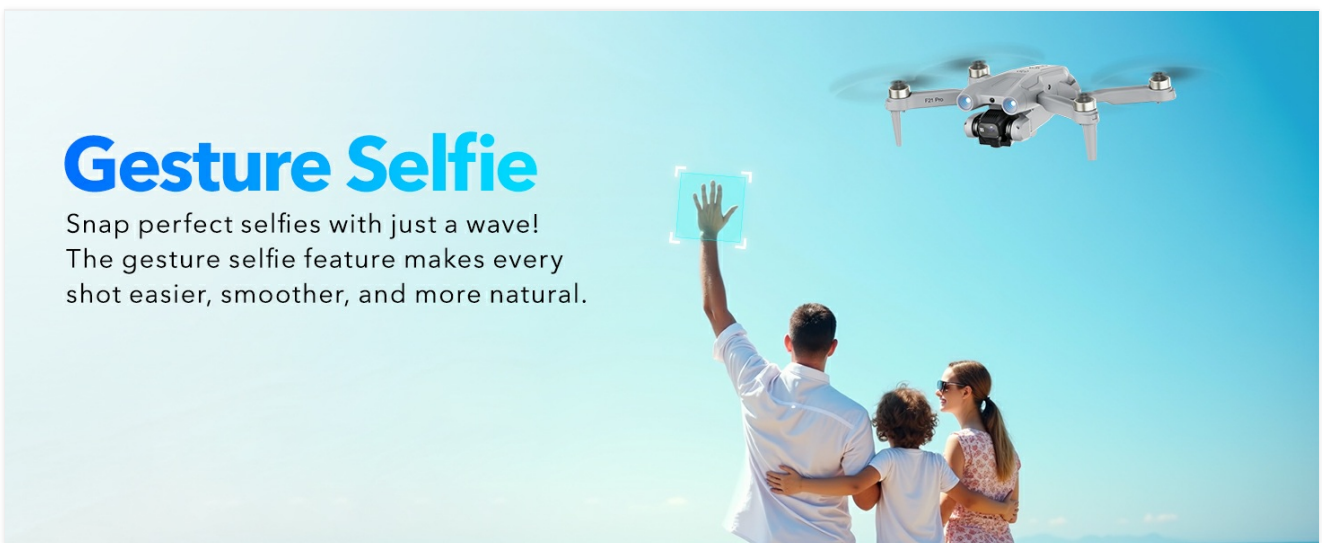


Image: A user activating the Gesture Selfie feature on the Contixo F21 Pro Drone.

360° Flips

Unleash your creativity and capture stunning aerial acrobatics with our drones' 360° flip feature—unlock exciting moments like never before.



Image: The Contixo F21 Pro Drone executing a 360-degree flip.

2.3 Camera Operation

The F21 Pro features a dual camera system with adjustable angles.

- The main camera offers a 60° Field of View (FOV) and can be adjusted from -90° to 15°.
- Video capture resolution is 480p, with an output resolution of 1920x1080 pixels.
- Images are captured in JPEG format, and videos in MP4.
- Use the controls on the remote to adjust the camera angle and initiate recording or photo capture.

HD CAMERA



60° FOV



-90° to 15°
Adjustable

Vivid Video



Competitor's



Image: Close-up of the Contixo F21 Pro Drone's HD camera, highlighting its adjustable angle.

2.4 Flight Performance

- **Flight Time:** Each battery provides approximately 15 minutes of flight, totaling up to 30 minutes with both included batteries.
- **Flight Range:** The drone has a maximum flight range of up to 300 feet and video transmission up to 240 feet.
- **Brushless Motors:** Equipped with efficient and quiet 1503 brushless motors for stable flight.
- **One-Key Return:** The drone features a one-key return function for easy recall.



Image: The Contixo F21 Pro Drone returning to its take-off point using the One-Key Return feature.

2.5 Operation Video

Watch this video for a visual guide on operating your Contixo F21 Pro Drone.

Your browser does not support the video tag.

Video: Contixo F21 Pro Drone Operation Video. This video demonstrates various operational aspects of the drone, including setup and flight.

3. MAINTENANCE

3.1 Propeller Replacement

Inspect propellers regularly for damage. Replace any bent, cracked, or chipped propellers immediately using the provided replacements and screwdriver. Ensure correct propeller type (A or B) is installed on the corresponding motor.

3.2 Battery Care

- Always use the original charging cable.
- Do not overcharge or over-discharge batteries.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- If not used for an extended period, charge batteries to approximately 50% capacity.

3.3 Cleaning

Use a soft, dry cloth to clean the drone and remote control. Avoid using liquids or solvents that could damage electronic components.

4. TROUBLESHOOTING

If you encounter issues with your Contixo F21 Pro Drone, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drone does not power on	Battery not charged or incorrectly installed	Ensure battery is fully charged and correctly inserted.

Problem	Possible Cause	Solution
Drone is unstable or veers during flight	Propellers damaged; Drone not calibrated; Environmental interference	Check and replace damaged propellers. Perform drone calibration as per Quick Guide. Fly in calm conditions away from strong winds or magnetic interference.
Short flight time	Battery not fully charged; Old or damaged battery	Ensure batteries are fully charged. Consider replacing old batteries if performance degrades significantly.
Loss of control or unresponsive remote	Drone out of range; Signal interference; Low remote battery	Keep drone within specified range. Avoid areas with strong Wi-Fi or radio signals. Ensure remote control battery is charged.
Camera not recording or taking photos	SD card full or not inserted; Camera malfunction	Check if the 16GB SD card is correctly inserted and has free space. Format the SD card if necessary.

5. SPECIFICATIONS

Feature	Detail
Brand	Contixo
Model Name	F21 Pro
Special Features	360 Degree Flip, Foldable, Integrated GPS, Obstacle Avoidance, Portable
Age Range (Description)	Adult
Color	Grey
Video Capture Resolution	480p
Connectivity Technology	Wi-Fi
Included Components	Drone, Remote Control, 2 Batteries, 8 Propellers, USB Cable, Landing Pad, 16GB SD Card, Screwdriver, Carrying Case
Skill Level	Beginner
Item Weight	5.8 Ounces (approx. 164g)
Battery Capacity	1200 Milliamp Hours (per battery)
Video Capture Format	MP4
Remote Control Technology	2.4 GHz
Control Type	Remote Control
Maximum Range	350 Feet (Flight), 240 Feet (Video Transmission)

Feature	Detail
Wireless Communication Technology	Wi-Fi
Battery Cell Composition	Lithium Ion
Supported Image Format	JPEG
Video Output Resolution	1920x1080 Pixels
Optical Sensor Technology	Optical Flow, CMOS
Material	Plastic
Item Dimensions L x W x H	5.28"L x 5.28"W x 1.02"H (folded)

6. WARRANTY INFORMATION

Contixo products are covered by a limited warranty against manufacturing defects. For specific warranty terms and conditions, please refer to the warranty card included in your product packaging or visit the official Contixo website. Keep your proof of purchase for warranty claims.

7. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or any questions regarding your Contixo F21 Pro Drone, please contact Contixo customer support. Contact details can be found on the official Contixo website or in the Quick Guide provided with your product.