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Contixo F33A

Contixo F33 4K GPS Drone Instruction Manual

1. PRODUCT OVERVIEW

The Contixo F33 is a high-performance 4K GPS drone designed for aerial photography and videography. It features a 2-axis gimbal with Electronic Image Stabilization (EIS) for smooth footage, advanced flight modes, and obstacle avoidance for enhanced safety. The drone is equipped with a 5.5-inch touch screen remote control for intuitive operation and offers an extended flight time of up to 42 minutes per battery.



Figure 1: Contixo F33 Drone and Remote Control

2. SETUP AND PREPARATION

2.1 Unboxing and Initial Inspection

Carefully unpack all components from the carrying case. Verify that all items listed in the 'Included Components' section are present and undamaged. The drone comes in a compact, foldable design for easy transport.



Figure 2: Foldable and Portable Drone Design

2.2 Battery Installation and Charging

The F33 drone uses a 3500 mAh Lithium Ion battery. Ensure batteries are fully charged before first use. The remote control also has an integrated battery.

- To install the battery, align it with the drone's battery compartment and push until it clicks into place.
- To charge, connect the provided USB-C cable to the battery's charging port. The battery features LED indicators to show the charge level.



Figure 3: Drone Battery and Charging

2.3 Remote Control Setup

The remote control features a 5.5-inch touch screen for live video feed and control. It connects to your smartphone via a cable for a stable signal.

- Extend the phone holder on the remote control.
- Place your smartphone securely in the holder.
- Connect your smartphone to the remote control using the appropriate USB cable (USB-C, Micro USB, or Lightning).
- Power on the remote control and drone. Follow on-screen prompts to connect.



Figure 4: 5.5-inch Touch Screen Remote Control

2.4 FAA Registration

The Contixo F33 drone weighs over 249 grams, requiring registration with the FAA for recreational or commercial use. Please visit the FAA website for registration details and to obtain your drone's identification number.

3. OPERATING INSTRUCTIONS

3.1 Pre-Flight Checklist

- Ensure all batteries (drone and remote) are fully charged.
- Check propellers for any damage or obstructions.
- Ensure the gimbal protector is removed.
- Perform compass calibration as instructed by the remote control.
- Fly in an open area, away from obstacles, people, and restricted airspace.

3.2 Takeoff and Landing

- **One-key Takeoff:** Place the drone on a flat, open surface. Press the One-key Takeoff button on the remote control. The drone will automatically ascend and hover.

- **Manual Takeoff:** Push both joysticks down and outwards to start the motors. Then, gently 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:** Gently pull the left joystick down to descend.

3.3 Flight Modes and Features

The Contixo F33 offers various intelligent flight modes to enhance your flying experience:

- **GPS Return Home:** Automatically brings the drone back to its takeoff point if the signal is lost, battery is low, or the button is pressed.
- **Follow Me:** The drone will automatically follow the remote control or a designated subject.
- **Orbit Mode:** The drone flies in a circular path around a central point, capturing a 360-degree video.
- **One-key Spiral/Far Fly/Skyrocket:** Pre-programmed flight paths for dynamic shots.
- **Fixed Speed Cruise:** Maintains a constant speed and direction.

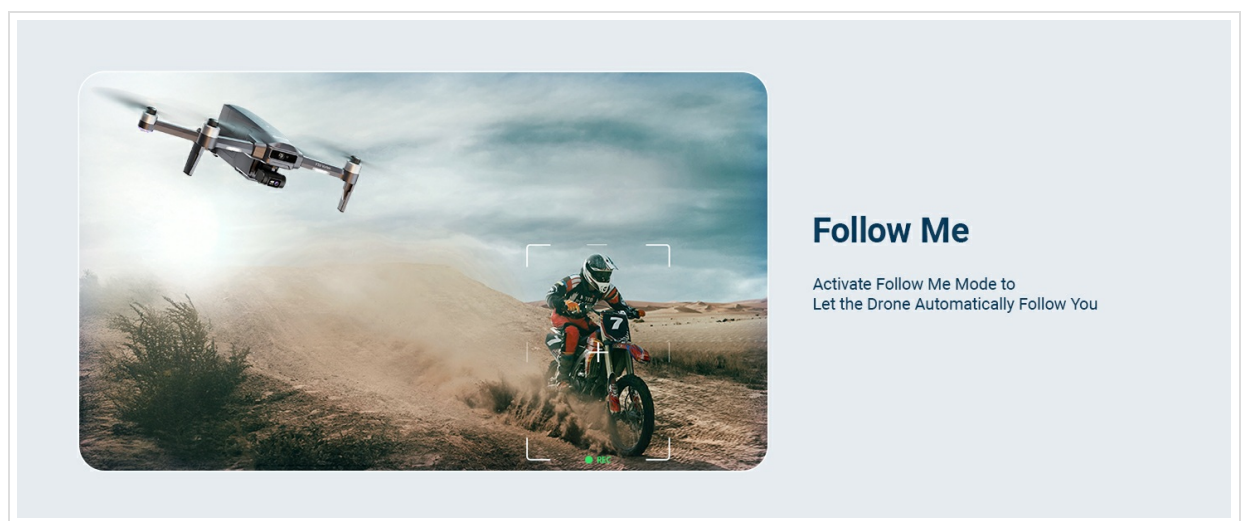


Figure 5: Advanced Flight Modes

3.4 Camera Operation

The 4K UHD camera with 2-axis gimbal and EIS ensures stable and high-quality footage.

- **Photo/Video:** Use the dedicated buttons on the remote control to capture 4K photos and 4K/30FPS videos.
- **Gimbal Control:** Adjust the camera angle (80° adjustable) using the remote control's gimbal dial.
- **EIS:** Electronic Image Stabilization automatically reduces blur and shakiness in videos.



Figure 6: 2-Axis Gimbal Stability

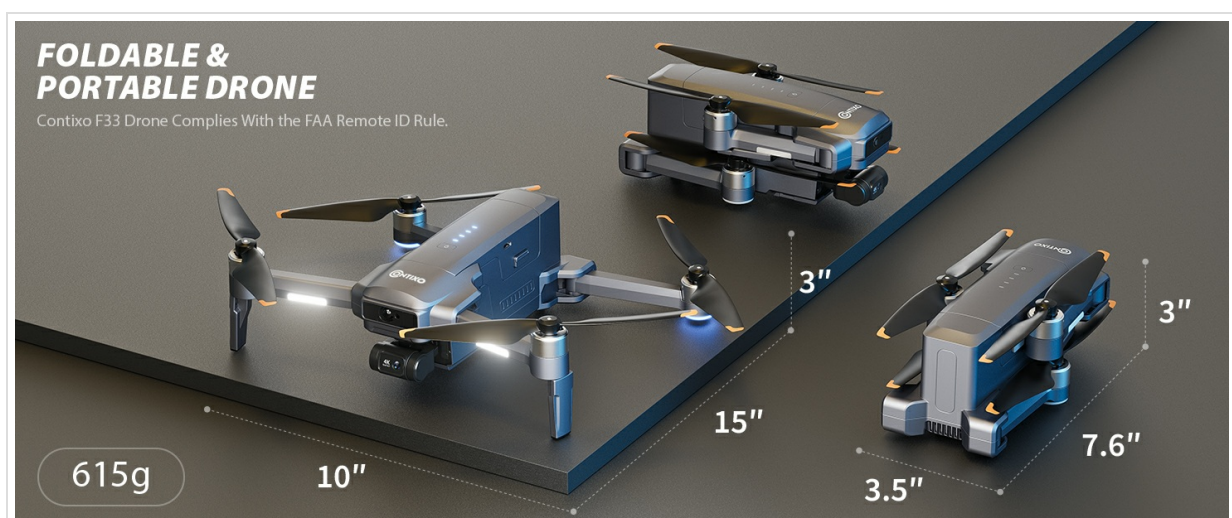


Figure 7: Electronic Image Stabilization (EIS) for Smooth Video

3.5 Obstacle Avoidance

The drone is equipped with front-side laser obstacle avoidance sensors to detect and avoid obstacles during flight, enhancing safety.



Figure 8: GPS and Optical Flow for Stable Positioning

4. MAINTENANCE AND CARE

- Regularly inspect propellers for cracks or damage. Replace immediately if any damage is found.
- Clean the drone's body and camera lens with a soft, dry cloth.
- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not store batteries fully charged for extended periods.

5. TROUBLESHOOTING

- **Drone not connecting:** Ensure both drone and remote control are powered on and fully charged. Check cable connections between remote and smartphone.
- **GPS signal loss:** Fly in an open area with a clear view of the sky. Avoid areas with tall buildings or strong magnetic interference.
- **Unstable flight:** Recalibrate the compass and gyroscope as per the user manual. Check for damaged propellers.
- For detailed troubleshooting steps, refer to the comprehensive user manual included in your package.

6. SPECIFICATIONS

Feature	Detail
Brand	Contixo
Model Name	F33A
Product Dimensions	10.83"L x 2.56"W x 12.6"H
Item Weight	6.6 pounds
Color	Black
Material	Plastic
Video Capture Resolution	4K
Video Capture Format	MP4
Battery Capacity	3500 Milliamp Hours
Max Flight Time	42 minutes per battery
Remote Control Technology	Bluetooth
Wireless Communication Technology	Bluetooth
Optical Sensor Technology	Optical Flow, CMOS
Skill Level	Professional
Special Features	20,000ft Range Digital Real-time Transmission, Long Distance Control, 4K Photo & 4K/30fps Video, 2 Axis Gimbal with EIS, 42min Long Battery Life, 5.5" touch screen, Beginner Friendly, One-key takeoff / landing, GPS Return home, Follow Me, Orbit Mode, Front side laser obstacle avoidance, One-key spiral, One-key far fly, One-key skyrocket, Optical flow, Professional adult drones

7. INCLUDED COMPONENTS

The Contixo F33 drone package includes:





- 1 x F33 Drone
- 1 x Screen Remote Control

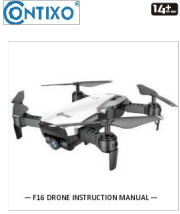

- 1 x Battery (additional batteries may be purchased separately)
- 8 x Propeller Blades
- 1 x USB Cable
- 1 x Carrying Case
- 1 x 32GB SD Card
- 1 x User Manual

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided in the user manual or visit the official Contixo website. Contixo is committed to customer satisfaction and offers continuous after-sale services support.

Related Documents - F33A

 <p>— F19 DRONE INSTRUCTION MANUAL —</p>	<p>Contixo F19 Drone Instruction Manual</p> <p>Comprehensive instruction manual for the Contixo F19 RC Drone, covering setup, flight operations, safety precautions, app usage, and troubleshooting.</p>
 <p>F33 DRONE QUICK GUIDE English</p>	<p>Contixo F33 Drone Quick Guide - Operation and Setup</p> <p>Comprehensive quick start guide for the Contixo F33 drone. Learn about transmitter functions, flight controls, compass and gyroscope calibration, GPS setup, and safe operating procedures.</p>
 <p>F28 F28 DRONE INSTRUCTION MANUAL</p>	<p>Contixo F28 Drone Instruction Manual: Setup, Operation, and Safety Guide</p> <p>Comprehensive instruction manual for the Contixo F28 drone, covering setup, flight safety, operation, app usage, camera functions, troubleshooting, and specifications. Learn to fly your F28 drone safely and effectively.</p>
 <p>— 32 —</p>	<p>Contixo F33 Drone Parts List and Troubleshooting Guide</p> <p>Comprehensive parts list and common troubleshooting solutions for the Contixo F33 drone, covering issues with lights, takeoff, stability, and included accessories like propellers and USB-C cable.</p>

	<p>Contixo F16 Drone Instruction Manual - Setup, Flight, and Features</p> <p>Comprehensive instruction manual for the Contixo F16 drone, covering setup, flight controls, camera functions, safety precautions, and troubleshooting. Learn how to fly your F16 drone safely and effectively.</p>
	<p>Contixo F28 Drone Instruction Manual: Operation, Safety, and Specifications</p> <p>Comprehensive instruction manual for the Contixo F28 drone, covering flight safety, aircraft and transmitter functions, battery charging, app usage, troubleshooting, and specifications. Learn how to operate your drone safely and effectively.</p>