OBEST P14

OBEST Mini Drone P14 User Manual

Model: P14

INTRODUCTION

This manual provides detailed instructions for the safe operation and maintenance of your OBEST Mini Drone P14. Please read this manual thoroughly before first use to ensure proper functionality and to prevent damage.

SAFETY GUIDELINES

- Always operate the drone in open areas, away from people, animals, buildings, and obstacles.
- Do not fly in strong winds, rain, or other adverse weather conditions.
- Ensure the battery is fully charged before each flight.
- Keep fingers and loose clothing away from rotating propellers.
- Do not modify the drone or its components.
- Adhere to all local regulations and laws regarding drone operation.
- Supervise children during drone operation.

PACKAGE CONTENTS

Verify that all items are present in your package:

Image: OBEST Mini Drone P14, remote controller, two batteries, spare propellers, charging cable, and carrying case.

- OBEST Mini Drone P14
- Remote Controller
- Flight Battery (x2)
- Spare Propellers (x4)
- USB Charging Cable
- Screwdriver
- User Manual (this document)
- APP Instructions
- Carrying Case

Image: Visual representation of the drone, remote, batteries, spare blades, charging cable, screwdriver, instructions, and carrying case.

PRODUCT OVERVIEW

The OBEST Mini Drone P14 is a compact and portable quadcopter designed for ease of use and aerial photography. It features a foldable design, dual cameras, and intelligent flight functions.

Key Features

- **Foldable Design:** For easy storage and portability.
- **Dual 4K HD Cameras:** Front and bottom cameras with 90° adjustable lens and 120° wide-angle shot.
- **WiFi FPV Transmission:** Real-time video feed to your mobile device.
- **Intelligent Flight Modes:** Headless Mode, Altitude Hold, 360° Rolling, Trajectory Flight, Gesture Photography, One Key Take Off/Land.
- **Brushless Motors:** Provides strong wind resistance, low noise, fast speed, and stable flight.
- **Long Flight Time:** Up to 15 minutes per battery (two included).
- **Obstacle Avoidance:** Intelligent 360° obstacle avoidance.

Drone Components

Dual 1080p cameras

HD

front
ards

📷 90° Electronic regulation

◉ 120° Wide-angle shot

GESTURE SELFIE

Image: Detail of the drone's dual 1080p cameras, highlighting 90° electronic regulation and 120° wide-angle shot capabilities.

The drone features dual cameras for versatile shooting angles. The front camera offers a 90° adjustable lens, and both cameras provide a 120° wide-angle view.

Image: Diagram illustrating the powerful brushless motor of the OBEST Mini Drone P14, emphasizing strong wind resistance, low noise, fast speed, and stable flight.

Equipped with brushless motors, the drone ensures stable flight performance, reduced noise, and enhanced durability, especially in outdoor conditions.

Advanced Materials

FULL PROTECT

Durable to fall and impact

DOUBLE BATTERY-20 MINS FLIGHT
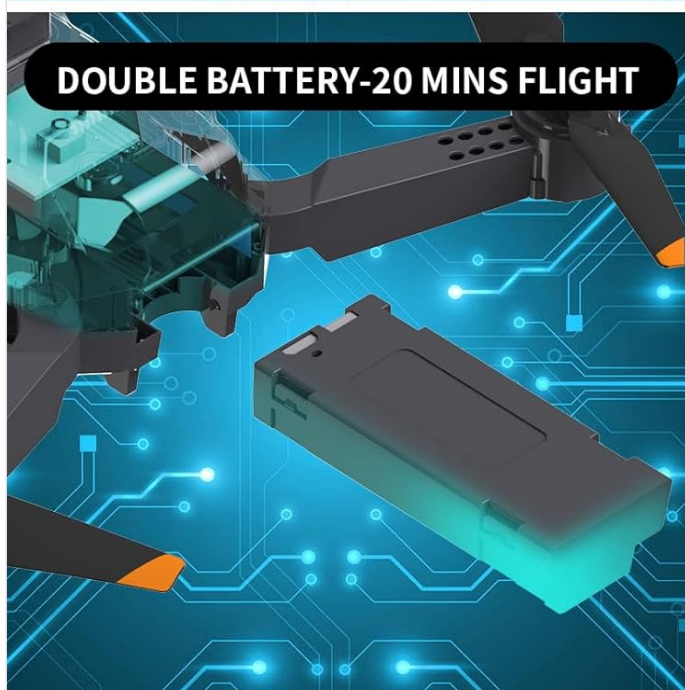
FOLDABLE DESIGN

Image: The drone's foldable design for portability and the modular battery compartment, indicating double battery capacity for extended flight.

The drone's arms fold inward for compact storage. It uses modular batteries for easy replacement and extended flight times.

SETUP GUIDE

1. Battery Installation and Charging

1. **Drone Battery:** Insert the fully charged modular battery into the drone's battery compartment until it clicks securely.
2. **Remote Controller Batteries:** Open the battery cover on the back of the remote controller and insert 3x AAA batteries (not included), ensuring correct polarity. Close the cover.
3. **Charging:** Connect the drone battery to the USB charging cable and plug it into a 5V/1A USB adapter. The indicator light will show charging status and turn off when fully charged. Charging time is approximately 60-80 minutes.

2. Propeller Installation

Ensure propellers are installed correctly according to their markings (A and B) on the corresponding motor shafts. Use the provided screwdriver to secure them.

3. Unfolding the Drone

Gently unfold the drone arms outwards until they lock into position. Always unfold the front arms first, then the rear arms.

4. App Download and Connection

1. Scan the QR code in the APP Instructions manual or search for the designated app (e.g., "WiFi_CAM" or similar, refer to your specific APP instructions) in your mobile app store.
2. Install the app on your smartphone.
3. Power on the drone. The drone's WiFi signal will become active.
4. On your smartphone, go to Wi-Fi settings and connect to the drone's Wi-Fi network (e.g., "WiFi_CAM-XXXXXX").
5. Open the app to establish a connection and view the live FPV feed.

OPERATING INSTRUCTIONS

1. Pairing the Drone and Remote Controller

1. Place the drone on a flat, level surface.
2. Turn on the drone. The indicator lights will flash.
3. Turn on the remote controller.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone lights will stop flashing and remain solid, indicating successful pairing.

2. Calibration

After pairing, perform a gyroscope calibration. Push both joysticks down and to the right simultaneously. The drone lights will flash rapidly and then become solid, indicating successful calibration.

3. Take Off and Landing

Image: Visual representation of One Key Start, Headless Mode, and Altitude Hold functions for the OBEST Mini Drone P14.

- **Manual Take Off:** Push both joysticks down and outwards to start the motors. Then, gently push the left joystick (throttle) up to ascend.
- **One Key Take Off:** Press the One Key Take Off button on the remote controller. The drone will automatically ascend to a certain height and hover.
- **Manual Landing:** Gently pull the left joystick (throttle) down to descend.
- **One Key Landing:** Press the One Key Landing button. The drone will automatically descend and land.

4. Basic Flight Controls

- **Left Joystick (Throttle):** Up/Down for altitude control.
- **Left Joystick (Left/Right):** Left/Right for rotation (yaw).
- **Right Joystick (Up/Down):** Forward/Backward flight.
- **Right Joystick (Left/Right):** Left/Right side flight (strafe).

5. Special Flight Functions

- **Altitude Hold Mode:** The drone maintains its current altitude automatically, allowing you to focus on direction.
- **Headless Mode:** In this mode, the drone's orientation is relative to the pilot, regardless of the drone's front direction. Press the Headless Mode button to activate/deactivate.
- **360° Rolling:** Press the 360° Roll button and then move the right joystick in the desired direction to perform a flip.

Image: The drone demonstrating 360° rolling, self-rotation, and circle flight capabilities.

- **Speed Adjustment:** The drone offers 3 speed modes (low, medium, high). Press the speed button on the remote to cycle through them.

Image: The drone performing trajectory flight and illustrating 3 speed adjustment options.

- **Trajectory Flight:** In the app, draw a path on your screen, and the drone will follow it automatically.
- **Return Modes:** The drone supports various return modes for enhanced safety.

- ○ **One-Click Return:** Press the return button on the remote, and the drone will fly back to its take-off point.
- ○ **Low Charge Return:** The drone will automatically return when the battery is low.
- ○ **Runaway Homing:** If the drone loses signal, it will attempt to return to the take-off point.
- ○ **Super Distance Return:** If the drone exceeds its control range, it will initiate a return.

CAMERA OPERATION AND FPV

The OBEST Mini Drone P14 is equipped with dual 4K HD cameras for capturing photos and videos. The front camera's lens angle can be adjusted by 90° via the remote controller or app.

1. Real-time FPV Transmission

Once connected to the drone's Wi-Fi via the app, you can view the live video feed from the drone's camera directly on

your smartphone. This allows for First Person View (FPV) flying and precise photo/video capture.

2. Photo and Video Capture

- **Via Remote Controller:** Refer to the remote controller diagram in the APP Instructions for dedicated photo/video buttons.
- **Via App:** Use the photo and video icons within the drone's app interface to capture media.
- **Gesture Photography:** Perform specific hand gestures towards the drone's camera to trigger photo or video recording. Refer to the APP Instructions for specific gestures.

Image: Illustration of gesture photography, where a "V" symbol can be used to take photos or record videos.

3. Immersive VR 3D Experience

For an immersive experience, you can use VR glasses (not included) with your mobile app. This allows you to view the drone's FPV feed in a virtual reality 3D environment.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote controller. Do not use water or solvents.
- **Propellers:** Regularly check propellers for damage. Replace any bent or broken propellers immediately using the provided spare parts.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge batteries. If storing for extended periods, charge them to approximately 50% capacity.
- **Storage:** When not in use, fold the drone and store it in its carrying case to protect it from dust and damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not respond to remote.	Not paired correctly; low remote battery.	Re-pair the drone and remote; replace remote batteries.
Drone drifts during flight.	Not calibrated; uneven take-off surface.	Perform gyroscope calibration on a flat surface.
Poor camera image quality / FPV lag.	Weak Wi-Fi signal; environmental interference.	Ensure strong Wi-Fi connection; fly in open areas away from interference.

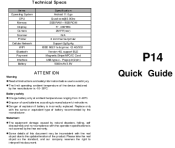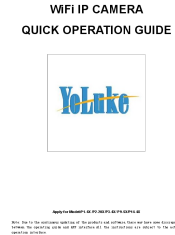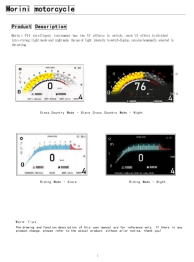| Problem	Possible Cause	Solution
Drone does not take off.	Low drone battery; motors not armed; propellers blocked.	Charge drone battery; arm motors (joysticks down and out); check for propeller obstructions.
App connection issues.	Incorrect Wi-Fi network; app not updated.	Connect to the correct drone Wi-Fi; update the app to the latest version.

SPECIFICATIONS

Feature	Detail
Model	P14
Brand	OBEST
Product Dimensions (Unfolded)	7.09 x 3.35 x 9.06 inches (approximate)
Item Weight	1.45 pounds (approximate)
Batteries	1 Lithium Ion battery required (included, 2 provided)
Camera Resolution	4K HD (Dual Cameras)
Lens Adjustment	90° Adjustable
FPV Transmission	2.4GHz WiFi
Control Distance	Up to 984 feet (approximate)
WiFi Transmission Distance	Up to 820 feet (approximate)
Flight Time	Up to 15 minutes per battery

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided with your purchase documentation or visit the official OBEST website. Keep your proof of purchase for warranty claims.
For further assistance, you may also refer to the "APP Instructions" included in your package for detailed guidance on app features and advanced controls.

Related Documents - P14

	[Anleitung: Skandika Trainingsgerät mit Kinomap App verbinden](#) Schritt-für-Schritt-Anleitung zum Verbinden Ihres Skandika Trainingsgeräts mit der Kinomap App für ein interaktives Trainingserlebnis. Erfahren Sie, wie Sie Ihr Gerät koppeln und mit dem Training beginnen.
	[P14 Smart POS Terminal Quick Guide and Technical Specifications](#) A quick guide and technical specifications for the P14 Smart POS Terminal, covering its features, safety information, product diagram, card reader details, FCC compliance, and RF exposure information.
	[ARCTIC P14 PWM PST CO Online Manual](#) Access the online manual for the ARCTIC P14 PWM PST CO PC fan. Find information on preparation, installation, and video guides. Manual available in multiple languages.
	[YoLuke WiFi IP Camera Quick Operation Guide](#) Comprehensive quick operation guide for YoLuke WiFi IP Cameras, covering installation, mobile app connection (CamHipro), computer browsing access, software setup, and troubleshooting.
	[YoLuke WiFi IP Camera Quick Operation Guide](#) A comprehensive guide for YoLuke WiFi IP Cameras, covering installation, mobile app connection (CamHipro), computer browsing access, software setup, and troubleshooting. Learn to configure settings, manage recordings, and utilize advanced features.
	[Morini Motorcycle P14 Intelligent Instrument User Manual](#) A comprehensive guide to the Morini P14 intelligent motorcycle instrument, detailing its product description, various interface modes (Cross Country, Riding, Off-road), mobile phone connectivity features (Android/iPhone), setup options, button functions, ABS control, and OTA upgrade procedures.

Documents - OBEST – P14

no relevant documents