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Wipkviey T25

Wipkviey Mini FPV Drone T25 User Manual

Model: T25 (TY-T25)

1. Introduction

This manual provides essential information for the safe operation and maintenance of your Wipkviey Mini FPV Drone T25. Please read it thoroughly before operating the drone to ensure proper usage and to prevent damage or injury.

2. Safety Guidelines

- **Age Recommendation:** This product is designed for users aged 14 and above. Teenagers over 14 can operate and play independently. Children over 8 years old must use it under adult supervision.
- **Flight Environment:** The T25 drone is lightweight, making it susceptible to wind. We recommend operating it in open, windless environments or indoors. Avoid flying near people, animals, or obstacles.
- **Battery Safety:** Use only the provided charging cable and batteries. Do not overcharge or puncture batteries. Discontinue use if batteries show signs of damage or swelling.
- **Propeller Safety:** Keep fingers, hair, and loose clothing away from rotating propellers. Always ensure propeller guards are installed.
- **Water and Moisture:** Do not expose the drone or remote control to water or moisture.
- **Supervision:** Always supervise children during drone operation.

3. Package Contents

Verify that all items are present in the package:



Image Description:

A composite image showing various drone features, including a section detailing the packing list with the drone, remote, batteries, charging cable, phone holder, propeller guards, replacement propellers, screwdriver, and manual.

- Wipkviey T25 Drone x 1
- Remote Control x 1
- Drone Battery x 2
- Battery Charging Cable x 1
- Mobile Phone Holder x 1
- Propeller Protection Frame x 4
- Replacement Propellers x 6
- Screwdriver x 1
- Instruction Manual x 1

4. Specifications

Quadcopter Weight	58g
Package Weight	284g
Camera Resolution	1080P (1920x1080)
Flight Duration	Approx. 10 minutes per battery
Batteries Included	2 pcs
Charging Time	Approx. 40 minutes
Package Dimensions	20.3 x 15.2 x 7.6 cm
Drone Battery Capacity	600 mAh
Transmitter Range	Approx. 80m
Video Transmission Range	Approx. 50m

Drone Unfolded Dimensions	16 x 16 x 3.5 cm
Drone Folded Dimensions	8 x 3.5 x 5.5 cm

5. Setup

5.1 Battery Installation and Charging

1. **Charge Batteries:** Connect the drone batteries to the charging cable and plug into a USB power source. The charging indicator will show charging status. Charging takes approximately 40 minutes per battery.
2. **Install Drone Battery:** Insert a fully charged battery into the drone's battery compartment until it clicks into place.
3. **Install Remote Control Batteries:** Open the battery compartment on the remote control and insert 3 AAA batteries (not included), ensuring correct polarity.

5.2 Propeller Guard Installation

Attach the four propeller protection frames to the drone's arms to prevent damage during collisions and protect users.



Image Description:

A composite image showing various drone features, including a section illustrating the propeller protection frames installed on the drone.

5.3 Mobile Phone Holder Installation

Attach the mobile phone holder to the remote control for FPV viewing and app-based controls.

6. Operating Instructions

6.1 Remote Control Overview



Image Description:

A composite image showing various drone features, including a detailed diagram of the remote control with numbered buttons and their corresponding functions.

1. **Fast and Slow Speed Option:** Adjust flight speed.
2. **Throttle Control:** Controls altitude.
3. **Photo/Video Button:** (Optional) Press to take a photo, hold to record video.
4. **Headless Mode/One-Key Return:** Activates Headless Mode or initiates One-Key Return.
5. **One-Key Take-off:** Press to automatically take off.
6. **One-Key Landing/Emergency Stop:** Press to automatically land, hold for emergency stop.
7. **360° Flip:** Press to perform a 360-degree flip.
8. **Power Switch:** Turns the remote control on/off.
9. **Direction Control:** Controls forward, backward, left, and right movement.
10. **Forward Fine-tuning:** Adjusts forward drift.
11. **Backward Fine-tuning:** Adjusts backward drift.
12. **Right Turn Fine-tuning:** Adjusts right turn drift.
13. **Left Turn Fine-tuning:** Adjusts left turn drift.

6.2 Basic Flight Operations

1. **Power On:** Turn on the drone, then turn on the remote control. The drone's lights will flash.
2. **Pairing:** Push the left joystick (throttle) up then down. The drone lights will become solid, indicating successful pairing.
3. **One-Key Take-off:** Press the One-Key Take-off button (5) to launch the drone automatically.
4. **Altitude Hold:** The drone will maintain a stable altitude after take-off.
5. **Direction Control:** Use the right joystick (9) to control forward, backward, left, and right flight.
6. **Landing:** Press the One-Key Landing button (6) to land the drone automatically.

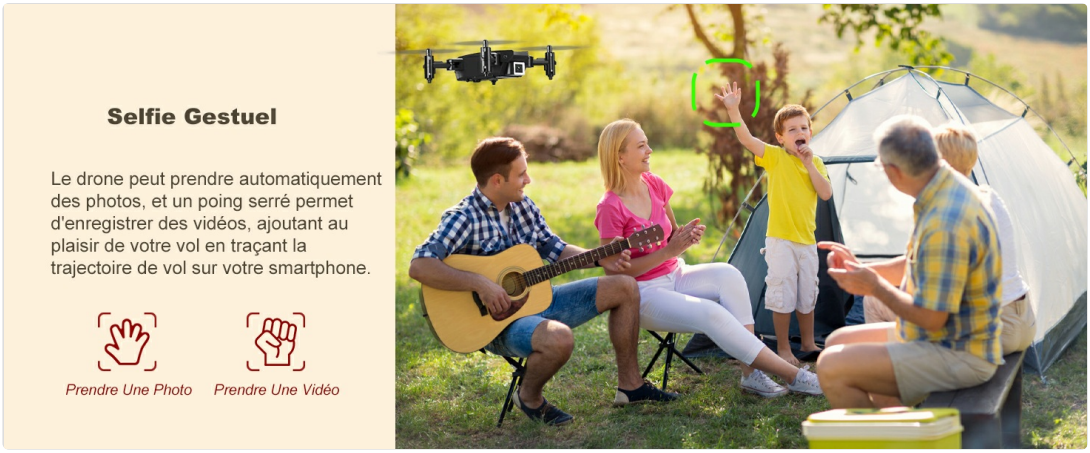

Image Description:

An illustration showing the Wipkviey T25 drone taking off and landing with a single button press, demonstrating the one-key operation.

6.3 Special Flight Features

- **3D Flip:** Press the 360° Flip button (7) and then move the right joystick in any direction to perform a flip.

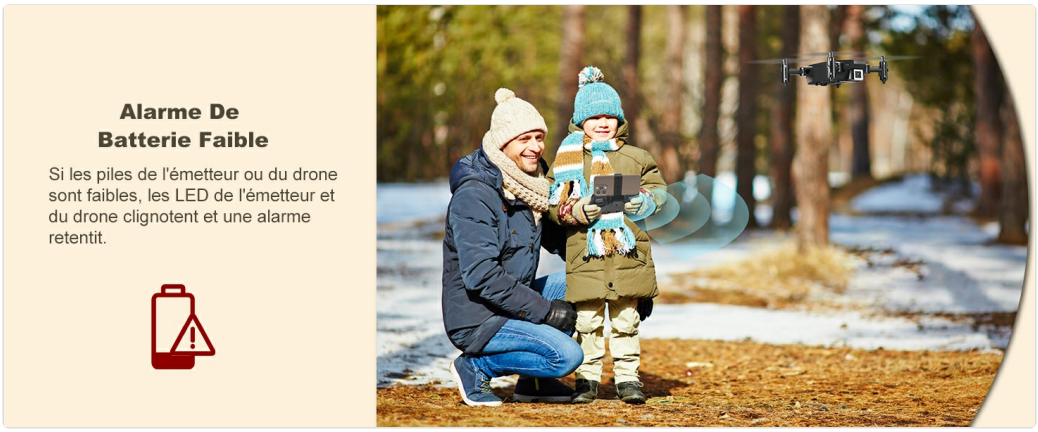

Image Description:

A Wipkviey T25 drone performing a 3D flip maneuver indoors, illustrating its acrobatic capability.

- **Headless Mode:** Press the Headless Mode button (4) to activate. In this mode, the drone's orientation is relative to the pilot, regardless of the drone's front direction.



Image Description:

A child lying on the floor, looking up at a Wipkviey T25 drone flying above, illustrating the ease of control with Headless Mode.

- **Gravity Control:** Use the smartphone app to control the drone's flight by tilting your phone.

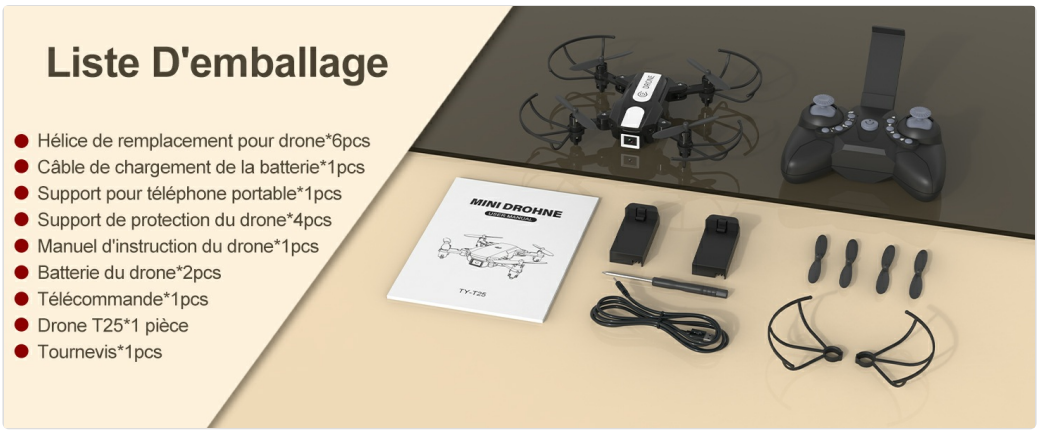

Image Description:

Hands holding a smartphone, demonstrating the gravity control feature where tilting the phone controls the drone's movement.

- **Voice Command:** With the app connected, simply shout "fly" to initiate automatic take-off.



Image Description:

A composite image showing various drone features, including a section illustrating children outdoors using voice commands to control the drone.

- **Gesture Photo/Video:** Use specific hand gestures to trigger photo or video recording via the drone's camera. A clenched fist can initiate video recording.



Image Description:

A composite image showing various drone features, including a section illustrating a family outdoors using hand gestures to control the drone's camera for photos and videos.

- **Trajectory Flight:** Draw a flight path on your smartphone screen within the app, and the drone will follow it.



Image Description:

A Wipkviey T25 drone flying, with a smartphone screen showing a drawn flight path, demonstrating the trajectory flight feature.

6.4 FPV Camera and Recording

The drone is equipped with a 1080P HD camera for real-time video transmission (FPV) to your smartphone via Wi-Fi. You can capture photos and record videos directly through the connected app.



Image Description:

An image showing the Wipkviey T25 drone with a detailed diagram of its 1080P HD camera lens, highlighting real-time WIFI transmission capabilities and options to take photos or videos.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Do not use harsh chemicals or liquids.
- **Propeller Inspection:** Regularly check propellers for damage (bends, cracks). Replace damaged propellers immediately using the provided screwdriver and spare parts.
- **Battery Storage:** Store batteries in a cool, dry place away from direct sunlight. For long-term storage, charge batteries to about 50% capacity.
- **Storage:** When not in use, store the drone in its folded state in a safe place to prevent damage.

8. Troubleshooting

Problem	Possible Cause	Solution

Drone does not respond to remote control.	Not paired; low battery in drone or remote.	Ensure drone and remote are powered on and paired correctly. Charge or replace batteries.
Drone drifts during flight.	Not calibrated; wind interference.	Perform calibration as per the full manual. Fly in windless conditions or indoors. Use fine-tuning buttons.
Low Battery Alarm.	Drone or remote control battery is low.	Land the drone immediately and replace or recharge the battery.  **Image Description:** An image showing the Wipkviey T25 drone with two batteries, illustrating the low battery warning indicators (red for 2 minutes remaining, green for 10 minutes remaining).
Poor camera feed/connection.	Weak Wi-Fi signal; too far from drone.	Ensure your smartphone is connected to the drone's Wi-Fi. Reduce distance between drone and phone. Avoid areas with strong Wi-Fi interference.

9. Warranty and Support

For warranty information and technical support, please refer to the official Wipkviey website or contact their customer service directly. Keep your purchase receipt as proof of purchase.
Note: Specific warranty terms may vary by region and retailer.

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