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Wipkviey T28

Wipkviey T28 Drone User Manual

Model: T28 | Brand: Wipkviey

1. Safety Information

Read this manual thoroughly before operating the Wipkviey T28 Drone. Failure to follow instructions may result in injury or damage.

- **Age Recommendation:** Suitable for users aged 14 and above.
- **Flight Environment:** Fly in open, clear areas, away from people, animals, and obstacles. Avoid flying near airports, power lines, or busy roads.
- **Weather Conditions:** Do not fly in strong winds, rain, snow, or other adverse weather conditions.
- **Battery Safety:** Use only approved charging cables 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 attach propeller guards before flight.
- **Line of Sight:** Always maintain visual line of sight with the drone during flight.
- **Low Battery Alert:** Pay attention to the low battery warning signal from the drone and land it safely.

2. Package Contents

Verify that all items are present in your Wipkviey T28 Drone package:

- Wipkviey T28 Drone × 1
- Remote Control × 1
- Smart Battery × 2
- USB Charging Cable × 1
- Spare Propellers × 8
- Propeller Guards × 4
- Screwdriver × 1
- User Manual × 1



Image: Wipkviey T28 Drone with remote control, two batteries, charging cable, spare propellers, and propeller guards.

3. Product Overview

3.1 Drone Components

The Wipkviey T28 drone features a foldable design for portability. Key components include:

- **Foldable Arms:** For compact storage and transport.
- **Propellers:** Four main propellers for lift and movement.
- **1080p HD Camera:** Integrated camera for photo and video recording, with adjustable angle.
- **Battery Compartment:** Houses the smart flight battery.
- **LED Lights:** Located on the arms for visibility, especially during night flights.
- **Power Button:** To turn the drone on/off.

3.2 Remote Control Layout

The remote control provides intuitive operation. It includes:

- **Left Joystick:** Controls altitude (up/down) and rotation (left/right).
- **Right Joystick:** Controls forward/backward and left/right movement.
- **One-Key Takeoff/Landing Button:** Initiates or lands the drone automatically.
- **360° Flip Button:** Activates the flip function.
- **Speed Mode Button:** Toggles between 3 flight speeds.
- **Headless Mode Button:** Activates headless mode.
- **Photo/Video Buttons:** To capture images or start/stop video recording.
- **Phone Holder:** Integrated holder to mount your smartphone for FPV viewing and app control.



Image: Visual representation of the drone's easy-to-use features including one-key takeoff/landing, headless mode, and stable altitude hold.

4. Setup

4.1 Charging the Battery

1. Connect the USB charging cable to the smart battery.
2. Plug the USB end into a 5V/1A USB adapter (not included) or a computer USB port.
3. The battery indicator will show charging status. Charging typically takes approximately 2 hours.
4. Once fully charged, disconnect the battery. Each fully charged battery provides up to 12 minutes of flight time.

4.2 Installing Batteries

1. **Drone Battery:** Insert a charged smart battery into the drone's battery compartment until it clicks securely into place.
2. **Remote Control Batteries:** Open the battery cover on the back of the remote control using the provided screwdriver. Insert 3 AAA batteries (not included), ensuring correct polarity. Close the cover.

4.3 Attaching Propeller Guards

For enhanced safety, especially for beginners, attach the propeller guards:

- Carefully snap each propeller guard onto the drone's arms, ensuring they are firmly attached around the propellers.

4.4 App Installation and Connection

1. Scan the QR code in the included user manual to download the "WiFi UAV" application for your smartphone (iOS or Android).
2. Turn on the drone's power switch.
3. On your smartphone, go to Wi-Fi settings and connect to the drone's Wi-Fi network (usually named "FLOW_xxxxxx").
4. Open the "WiFi UAV" app and tap "Start" to enter the real-time interface.

▶ **Watch video online**
Drone avec caméra 1080P RC Quadcopter

Video: This video demonstrates the drone's features, including app control, gesture photo/video, and trajectory flight, which are relevant to the Wipkviey T28 model.

5. Operating Instructions

5.1 Basic Flight

1. **Power On:** Turn on the drone and remote control. The drone's LED lights will flash.
2. **Pairing:** Push the left joystick up then down. The remote will beep, and the drone's LED lights will become solid, indicating successful pairing.
3. **Calibration:** Push both joysticks down and to the right simultaneously. The drone's lights will flash and then become solid again, indicating calibration is complete.
4. **Takeoff:** Press the One-Key Takeoff/Landing button, or push both joysticks down and outwards to start the propellers, then gently push the left joystick up to ascend.
5. **Landing:** Press the One-Key Takeoff/Landing button, or gently pull the left joystick down to descend and land.

5.2 Advanced Features

- **Altitude Hold Mode:** The drone automatically maintains a stable height. Use fine-tuning buttons on the remote to correct any tilting.
- **360° Flips:** Press the "Flip" button on the remote, then move the right joystick in any direction to perform a 360° flip.

- **Speed Modes:** Press the Speed Mode button to cycle through 3 adjustable flight speeds (low, medium, high).
- **Headless Mode:** Press the Headless Mode button. In this mode, the drone's orientation is relative to the pilot, regardless of its actual front.
- **Gesture Control (via App):**
  - Show your palm to the camera to take a photo.
  - Show a fist to the camera to start/stop video recording.
- **Trajectory Flight (via App):** Draw a flight path on your smartphone screen, and the drone will follow it automatically.

6. Camera Operation

The Wipkviey T28 is equipped with a 1080p HD camera for capturing aerial footage.

- **Live View (FPV):** Connect your smartphone to the drone's Wi-Fi and open the "WiFi UAV" app to see the live camera feed.
- **Taking Photos:** Press the photo button on the remote control or tap the photo icon in the app.
- **Recording Videos:** Press the video button on the remote control or tap the video icon in the app to start/stop recording.
- **Adjusting Camera Angle:** The camera angle can be adjusted manually or via the remote control/app (if motorized). Refer to the app interface for specific controls.



Image: The drone's 1080p HD camera and examples of gesture controls for capturing photos and videos.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Do not use harsh chemicals or solvents.
- **Propeller Inspection:** Regularly check propellers for damage. Replace any bent or broken propellers with spare parts.
- **Battery Care:** Store batteries in a cool, dry place. Do not store fully charged or completely depleted batteries for extended periods.
- **Storage:** When not in use, fold the drone arms and store it in its original packaging or a protective case.

8. Troubleshooting

- **Drone not responding:** Ensure both drone and remote are powered on and properly paired. Recalibrate the drone. Check battery levels.
- **Poor camera feed:** Ensure your smartphone is correctly connected to the drone's Wi-Fi network. Move closer to

the drone to improve signal strength.

- **Unstable flight:** Recalibrate the drone on a flat surface. Check for damaged propellers and replace if necessary. Avoid flying in windy conditions.
- **Low battery alert:** The drone will emit a sound when the battery is low. Land the drone immediately and replace/recharge the battery.
- **Drone flies out of range:** The drone will emit a beep if it goes beyond 100 meters. Press the "Return to Home" button (if available on your remote/app) or guide it back manually.

9. Specifications

Brand	Wipkviey
Model Name	T28
Weight	150 grams
Dimensions (L x W x H)	9 x 14 x 5 cm (folded)
Video Recording Resolution	1080p
Connectivity Technology	Wi-Fi
Special Features	Anti-fall, Integrated Camera, Compact, Long Flight Duration, Speed Adjustment, Altitude Hold, 3D Flips, Gesture Control, Trajectory Flight
Batteries	2 non-standard batteries included (12 min flight each, total 24 min)

10. Warranty and Support

For warranty information, technical support, or any product-related inquiries, please refer to the contact details provided in your product packaging or visit the official Wipkviey website.
Manufacturer: SHANTOU TIANYI INTELLIGENT TECHNOLOGY CO.,LTD.

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