

3T6B 3T6B

3T6B Foldable RC Quadcopter User Manual

Model: 3T6B

1. INTRODUCTION

Thank you for choosing the 3T6B Foldable RC Quadcopter. This manual provides essential information for the safe operation, setup, and maintenance of your drone. Please read it thoroughly before first use to ensure proper functionality and to avoid damage.



Image: The 3T6B Foldable Mini Drone, highlighting its key features like 4K camera, gravity control, one-click start, one-key return, 360-degree trick roll, altitude posture, and flight path sign.

2. SAFETY GUIDELINES

Adhering to these safety guidelines is crucial for preventing accidents and ensuring a safe flight experience.

- **Pre-Flight Check:** Always ensure the drone and remote control batteries are fully charged. Inspect propellers for damage and ensure they are securely attached.
- **Flight Environment:** Fly in open areas, away from people, animals, buildings, and power lines. Avoid flying in strong winds or adverse weather conditions.
- **Line of Sight:** Maintain visual line of sight with the drone at all times.
- **Age Recommendation:** This drone is suitable for users aged 14 and above. Adult supervision is recommended for younger users.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers.
- **Battery Safety:** Use only the provided charger and batteries. Do not overcharge or puncture batteries. Discontinue use if batteries show signs of swelling or damage.
- **Respect Privacy:** Be mindful of privacy laws when using the camera feature.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 3T6B Foldable RC Quadcopter (Drone)
- Remote Control
- Lithium Ion Batteries (Quantity: 1 included, additional may be purchased separately)
- Blade Protection Frame (4 pieces)
- Spare Propellers (4 pieces)
- USB Charging Cable
- Screwdriver
- Storage Bag
- User Manual (this document)



Image: Overview of the 3T6B drone, remote control, two batteries, and a carrying case.



Image: Detailed breakdown of the drone, remote control, two batteries, four blade protection frames, spare parts (USB cable, screwdriver, manual), four extra propellers, and a storage bag.



Image: Close-up of spare parts: four propellers, four blade protection frames, a USB charging cable, a screwdriver, and a drone battery.

4. COMPONENT IDENTIFICATION

4.1 Drone Components

Familiarize yourself with the main parts of your quadcopter:

- **Propellers:** Provide lift and thrust.
- **Motors:** Drive the propellers.
- **Camera:** Captures photos and videos.
- **Battery Compartment:** Houses the drone's power source.
- **Optical Flow Sensor:** Assists with stable hovering.
- **LED Indicators:** Provide status information.

4.2 Remote Control Layout

Understand the functions of each button and joystick on the remote control:

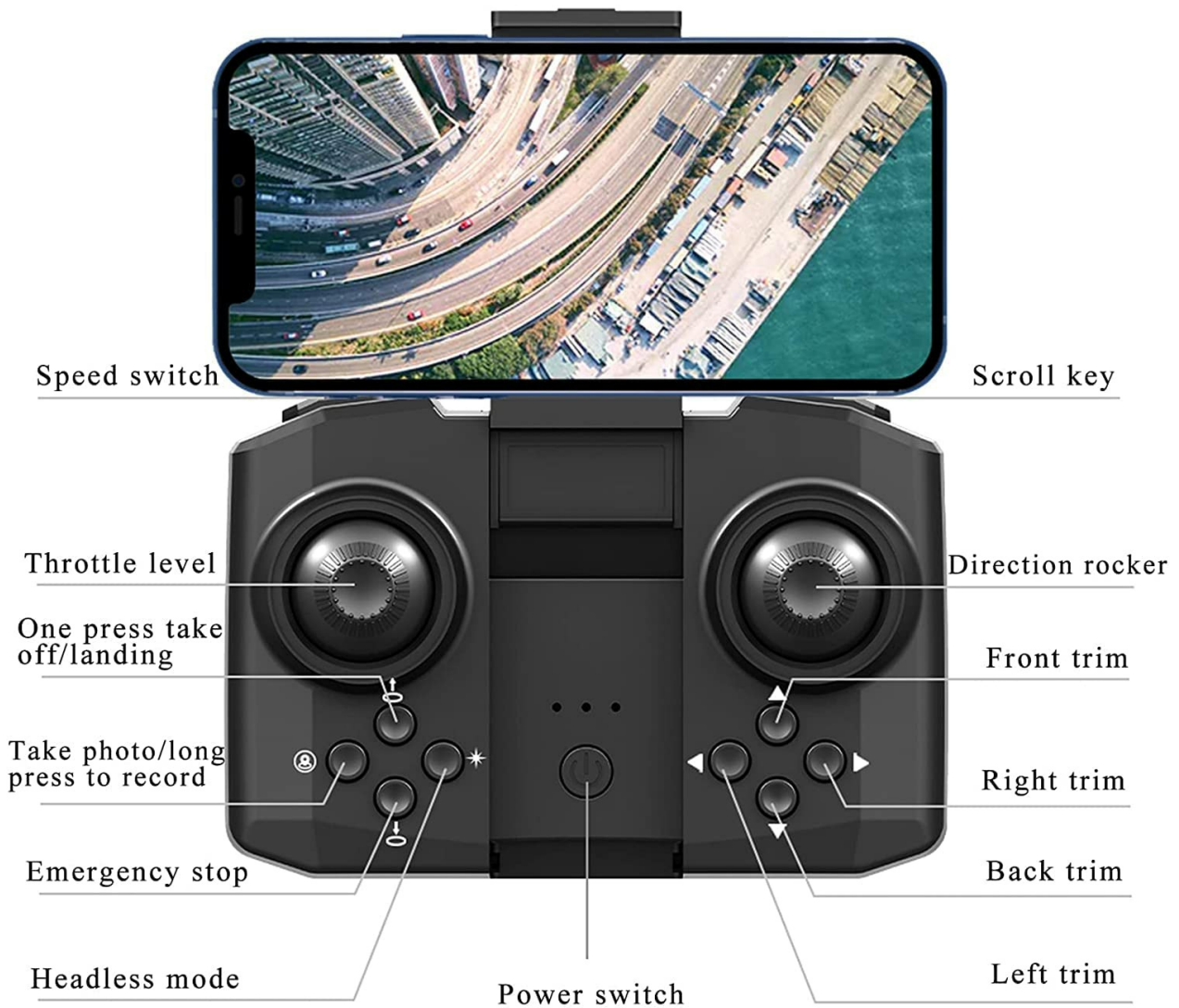


Image: Diagram of the remote control with labels for Speed Switch, Scroll Key, Throttle Level, Direction Rocker, One Press Take Off/Landing, Front Trim, Take Photo/Long Press to Record, Right Trim, Emergency Stop, Back Trim, Headless Mode, Power Switch, and Left Trim.

- **Throttle Level (Left Joystick):** Controls altitude (up/down) and rotation (left/right).
- **Direction Rocker (Right Joystick):** Controls forward/backward and left/right movement.
- **One Press Take Off/Landing Button:** Initiates automatic take-off or landing.
- **Take Photo/Long Press to Record Button:** Captures images or starts/stops video recording.
- **Speed Switch:** Adjusts flight speed (beginner, intermediate, advanced).
- **Headless Mode Button:** Activates headless flight mode.
- **Emergency Stop Button:** Immediately stops all motors. Use only in emergencies.
- **Trim Buttons (Front, Back, Left, Right):** Used to fine-tune drone stability during flight.
- **Power Switch:** Turns the remote control on/off.

5. SETUP

5.1 Battery Installation and Charging

1. **Charge Drone Battery:** Connect the drone battery to the USB charging cable and plug it into a USB power source (e.g., computer, USB wall adapter). The indicator light on the cable will show charging status. Ensure the battery is fully charged before first use.

2. **Install Drone Battery:** Insert the fully charged battery into the drone's battery compartment until it clicks into place.
3. **Install Remote Control Batteries:** Open the battery cover on the back of the remote control and insert 3x AAA batteries (not included), observing polarity. Close the cover.

INDEPENDENT BATTERY



Image: Close-up of the drone's independent battery design, indicating easy removal and installation.

5.2 Propeller Installation (if necessary)

If propellers are not pre-installed or need replacement:

1. Match the propeller type (A or B) to the corresponding motor arm. Each motor arm is typically marked.
2. Securely attach the propellers to the motor shafts. Ensure they are firmly in place but do not overtighten.
3. Install the blade protection frames by snapping them onto the drone's motor arms.

5.3 App Download and Connection (WiFi FPV)

1. **Download App:** Scan the QR code in the quick start guide or search for the designated app (e.g., '3T6B FPV') on the App Store (iOS) or Google Play Store (Android).
2. **Power On Drone:** Place the drone on a flat, level surface and turn on its power switch. The drone's indicator lights will flash.
3. **Connect to Wi-Fi:** On your smartphone, go to Wi-Fi settings and connect to the Wi-Fi network named '3T6B-XXXXXX' (or similar).
4. **Open App:** Launch the downloaded app. You should see the live video feed from the drone's camera.

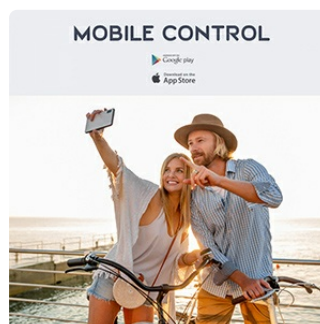


Image: Icons for Google Play and App Store, indicating where to download the mobile control application for the drone.

5.4 Calibration

Before each flight, calibrate the drone for stable performance:

1. Place the drone on a flat, level surface.
2. Turn on the drone, then the remote control.

3. Push the left joystick (throttle) all the way up, then all the way down. The drone lights will stop flashing, indicating successful pairing.
4. To calibrate the gyroscope, push both joysticks down and to the right simultaneously. The drone lights will flash rapidly and then become solid, indicating calibration is complete.

6. OPERATING INSTRUCTIONS

6.1 Basic Flight Controls

1. **Take-off:** Press the 'One Press Take Off/Landing' button, or push both joysticks outwards and upwards to start the motors, then push the left joystick up to ascend.
2. **Landing:** Press the 'One Press Take Off/Landing' button again, or slowly pull the left joystick down to descend.
3. **Altitude Control:** Use the left joystick (throttle) up/down to control the drone's height.
4. **Directional Control:** Use the right joystick to move the drone forward, backward, left, or right.
5. **Rotation:** Use the left joystick left/right to rotate the drone on its axis.

ONE PRESS TAKE OFF/RETURN

Through the remote control can easily achieve a variety of intelligent operation, when the drone lost its way, it can realize one press return



Image: Visual guide for 'One Press Take Off', 'One Press Landing', and 'One Press Return' functions, showing the drone's movement for each action.

6.2 Special Features

- **3D Flip:** Press the 3D Flip button (refer to remote control diagram), then push the right joystick in any direction to perform a 360-degree flip. Ensure sufficient altitude and clear surroundings.

360° STUNT ROLL

One click easy to achieve 360° aerial stunt roll, experience the fun of aerial stunt flight.



Image: Illustration of the 360-degree stunt roll feature, showing the drone performing an aerial flip.

- **Headless Mode:** Press the Headless Mode button. In this mode, the drone's orientation is relative to the pilot, regardless of the drone's front direction. Press again to exit.
- **Optical Flow Positioning:** This feature helps the drone maintain a stable hover at a certain altitude by analyzing ground patterns.



Image: Diagram illustrating the Optical Flow Positioning system, showing the drone hovering stably over a grassy field with sensor beams detecting the ground.

- **Trajectory Flight:** In the app, draw a desired flight path on your screen, and the drone will automatically follow it.



Image: The drone flying over islands, following a custom trajectory path indicated by white lines and markers.

- **Gravity Sensor Control:** When using the app, shake your mobile phone to control the drone's flight direction.

GRAVITY SENSOR

Shake the mobile phone to control the flight direction of the drone.



Image: A person using a smartphone to control the drone's flight direction by tilting the phone, demonstrating the gravity sensor control feature.

6.3 Camera Operation

- **Take Photo:** Briefly press the 'Take Photo/Long Press to Record' button on the remote or tap the photo icon in the app.
- **Record Video:** Long press the 'Take Photo/Long Press to Record' button on the remote or tap the video icon in the app to start recording. Long press again or tap to stop.
- **Video Storage:** Photos and videos are saved directly to your connected smartphone via the app. No SD card is required.



Image: Close-up of the drone's camera, highlighting its 90-degree adjustable angle and 4K resolution capability.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your drone.

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Avoid using water or solvents.
- **Propeller Inspection:** Regularly check propellers for cracks, bends, or damage. Replace damaged propellers immediately using the provided spare parts.
- **Battery Care:** Store batteries in a cool, dry place. Do not leave batteries fully discharged for extended periods.
- **Storage:** When not in use, store the drone and its components in the provided storage bag to protect them from dust and physical damage.

8. TROUBLESHOOTING

This section addresses common issues you might encounter.

- **Q: Does the drone need an SD card?**
A: No, pictures and videos will be saved directly in the app on your connected smartphone.
- **Q: Unable to link to video, unable to take off, or camera not working.**
A: The battery may be insufficient. It is recommended to fully charge the battery before using the drone for the first time and before each flight.
- **Q: The app cannot connect to the drone.**
A: First, turn on the drone switch, then connect your smartphone to the drone's Wi-Fi network, and finally open the app. Ensure the drone is powered on and within Wi-Fi range.
- **Q: The drone drifts in one direction during flight.**
A: Calibrate the drone according to the instructions in Section 5.4, or use the fine-tuning (trim) buttons on the remote control to adjust stability.
- **Q: Drone loses control or flies away.**

A: Ensure you are flying in an open area free from interference. Maintain line of sight. If the issue persists, ensure proper calibration and check for any physical damage to propellers or motors.

9. SPECIFICATIONS

Feature	Detail
Brand	3T6B
Model Name	3T6B
Color	Black
Skill Level	Beginner
Connectivity Technology	Wi-Fi
Video Capture Resolution	4K
Special Features	Optical Flow Positioning, 3D Flip, Trajectory Flight, Headless Mode
Battery Type	Lithium Ion
Battery Capacity	1100 Milliamp Hours
Age Range (Description)	Kid, Adult
Package Dimensions	7.91 x 7.01 x 2.64 inches
Item Weight	11.36 ounces



Image: Dimensions of the folded drone (3.35in x 2.17in x 1.57in), unfolded drone (6.3in x 6.3in), and the carrying case (7.87in x 7.48in x 2.36in).



Image: Illustration of the drone's anti-jamming technology, showing a 100-meter flight range from the remote control.

10. WARRANTY AND SUPPORT

For any questions, technical support, or warranty inquiries regarding your 3T6B Foldable RC Quadcopter, please contact the manufacturer or seller directly through your purchase platform. Please retain your proof of purchase for warranty claims.

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