TE-F360
User Manual
V1.0
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Using This Manual

Legend

⚠️ Warning   ⚠️ Important   🔆 Hints and Tips   ♨️ Reference

Read Before the First Flight

Read the following documents before using the TOPE TE-F360:

1. TE-F360 Quick Start Guide
2. TE-F360 Disclaimer and Safety Guidelines
3. TE-F360 Intelligent Flight Battery Safety Guidelines

We recommend that you watch all tutorial videos and read the Disclaimer and Safety Guidelines before you fly. Prepare for your first flight by reviewing the Quick Start Guide and refer to TE-F360 User Manual for more details.

Download the TOPEUAV App

Scan to download TOPEUAV APP

⚠️ TOPEUAV APP supports IOS 9.0 and Android 4.4, or later versions.

Video Tutorials

Please go to the TOPEUAV App to watch the tutorial videos, which demonstrate how to use the aircraft safely and correctly.

Product Profile
**Introduction**

TOPE TE-F360 Aircraft is foldable, handy & convenient with dual-mode GPS, Pneumatic sensor system, gyroscope sensor system for superior axis control, intelligent follow feature, waypoint flight, and more. Supports gestures photo, automatic return, stably hover and flight indoors and outdoors. Records 1080P HD video and takes HD photos with double anti-shock structure camera. Flying time is about 25 minutes.

The next-generation flight controller has been updated to provide a safer, more reliable flight experience. The aircraft is able to automatically return to its Home Point when the remote control signal is lost or the battery level is low. As well as being able to hover indoors at low altitudes, the aircraft can sense and avoid obstacles on its route, enhancing safety.

*The flying time is tested in windless conditions in hovering mode.

**Aircraft**

**Name of Parts**

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. 
10. 

11. 
12.
<table>
<thead>
<tr>
<th>Number</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Propellers</td>
</tr>
<tr>
<td>2.</td>
<td>Aircraft Status Indicator</td>
</tr>
<tr>
<td>3.</td>
<td>Intelligent Flight Battery</td>
</tr>
<tr>
<td>4.</td>
<td>Battery Clip</td>
</tr>
<tr>
<td>5.</td>
<td>Micro USB Port</td>
</tr>
<tr>
<td>6.</td>
<td>Micro SD Card Slot</td>
</tr>
<tr>
<td>7.</td>
<td>Camera</td>
</tr>
<tr>
<td>8.</td>
<td>Front LED Indicator</td>
</tr>
<tr>
<td>9.</td>
<td>Motor</td>
</tr>
<tr>
<td>10.</td>
<td>Quadcopter Arm Indicator</td>
</tr>
<tr>
<td>11.</td>
<td>Power Indicator</td>
</tr>
<tr>
<td>12.</td>
<td>Battery Switch</td>
</tr>
</tbody>
</table>

**Battery Preparation**

Please charge to activate intelligent flight battery before using for the first time.

**Activate the Intelligent Flight Battery**

Use the provided charger to charge and activate the battery for the first time. It is recommended to fully charge the battery before each flight.

The TE-F360 aircraft contains a flight controller, video downlink system, propulsion system, and an Intelligent Flight Battery. Refer to the aircraft diagram in the Product Profile section.
Flight Modes

The following flight modes are available for TE-F360:

1) A mode (Altitude): The GPS and Vision Positioning System are NOT used for positioning. The aircraft only uses its barometer to maintain altitude. Supports head - free function, does not support following, flying around a point, and return function.

2) P mode (Positioning): P mode works best when the GPS signal is strong. There are three different states of P mode.

3) One button to return home mode: Once selected, the aircraft will rise to the factory set height and then return to the takeoff point in a straight line. If the current altitude of the aircraft is higher than the set height, the aircraft will return to the current altitude. The return journey ensures that the return route has no obstacles.

When using GPS satellite signal or compass, the aircraft is vulnerable to external interference. If interference occurs, please use the manual mode to control the aircraft or land as soon as possible in a safe location to avoid accidents. At the same time, when using GPS satellite signal, avoid narrow flight areas or areas with obstacles to avoid flight accidents.

Aircraft LEDs and Status Indicator

The TE-F360 has Aircraft Arm Indicators and a Front LED Indicator as shown in the figure below:

The Front LEDs show the orientation of the aircraft and the status of some of the functions (refer to the function sections for more details). The Front LEDs glow solid red when the aircraft is turned on to indicate the front of the aircraft.

The Aircraft Status Indicator communicates the statuses of the aircraft’s flight control system and Intelligent Flight Battery. Refer to the table below for more information about the aircraft states indicated by the Aircraft Status Indicator.
Aircraft Status Indicator States

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>🚨 Solid Red</td>
<td>Critical Error</td>
</tr>
<tr>
<td>🚨 Slow red flashing</td>
<td>Gyroscope shaked, Calibration completed</td>
</tr>
<tr>
<td>🚨 Fast red flashing</td>
<td>Low Battery Warning</td>
</tr>
<tr>
<td>🚨 Slow yellow flashing</td>
<td>No GPS and Vision System</td>
</tr>
<tr>
<td>🚨 Fast yellow flashing</td>
<td>Remote Controller Signal Lost</td>
</tr>
<tr>
<td>🚪 Slow green flashing</td>
<td>GPS signal and condition available</td>
</tr>
<tr>
<td>🌀 Alternate yellow and green flashing</td>
<td>Warming Up</td>
</tr>
</tbody>
</table>

Return to Home

The Return to Home (RTH) function brings the aircraft back to the last recorded Home Point. There are three types of RTH: Smart RTH, Low Battery RTH, and Failsafe RTH. This section describes these three scenarios in detail.

<table>
<thead>
<tr>
<th>Home Point</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>📋</td>
<td>If a strong GPS signal was acquired before takeoff, the Home Point is the location from which the aircraft launched. The GPS signal strength is indicated by the GPS icon (📍). The Aircraft Status Indicator will blink green quickly when the Home Point is recorded.</td>
</tr>
</tbody>
</table>

Smart RTH

1. If the GPS signal is sufficiently strong, Smart RTH can be used to bring the aircraft back to the Home Point. Smart RTH is initiated either by tapping 🛋️ in the TOPEUAV App.
2. Smart RTH can be used by pressing the RTH button on the remote controller.

Exit Smart RTH

Remote controller can exit Smart RTH with the following operations:

Push to lowest grade if the switch on controller is not in lowest grade, then push to middle or highest grade, user can re-control the aircraft once exiting Smart RTH. Users can also use left/right joystick to control, which indicates Smart RTH exit.

Low Battery RTH

Low Battery RTH is triggered when the Intelligent Flight Battery is depleted to a point that may affect the safe return of the aircraft. Return home immediately or land the aircraft when prompted. TE-F360 will display a warning when a low battery level warning is triggered. The aircraft will automatically return to the Home Point with fast red indicator flashing. The user can cancel the RTH procedure by pressing the RTH button or Flight Pause button on the remote controller, which indicates Smart RTH exit.

Once low battery warning light flashes, the aircraft will land automatically, which can’t cancelled. During the landing, it is supported to control aircraft flight with remote controller.
When the aircraft descends automatically, user can control the aircraft to land in appropriate location.

**Failsafe RTH**

If the Home Point was successfully recorded, GPS signal is strong and the compass is functioning normally, Failsafe RTH will be automatically activated if the wireless signal is lost. The user may cancel Failsafe RTH to regain control when the wireless signal connection is reestablished.

**RTH Procedure**

1. Home Point is recorded automatically.
2. RTH procedure is triggered.
3. Home Point is confirmed and the aircraft adjusts its orientation.
4. The aircraft rises to the RTH altitude when RTH procedure starts. If the current altitude is higher than the RTH altitude, the aircraft maintains current altitude to returns directly.

**RTH Procedure as following:**

- **1 Record Home Point**
- **2 Remote Control Signal Lost**
- **3 Signal Lost for Extended Time**
- **4 RTH (Adjustable Altitude)**
- **5 Landing (After User Confirmation)**

⚠️ The aircraft cannot return to the Home Point when GPS signal is weak or unavailable.

**Precision Landing**

During RTH, The aircraft will descend slowly once reaching the Home Point terrain.

**Propellers**

TE-F360 use fast-release propellers. Pitted and un-pitted propellers indicate in which direction they
should spin.

<table>
<thead>
<tr>
<th>Propellers</th>
<th>With Pit</th>
<th>Without Pit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure</td>
<td>[Image]</td>
<td></td>
</tr>
</tbody>
</table>

**Legend**

- Lock: Turn the propellers in the indicated direction to mount and tighten.

### Attaching the Propellers

Attach the propellers with pitted marks to the motors with pit marks. Attach un-pitted propellers to the motors without pitted marks. Press each propeller down onto the mounting plate and rotate in the lock direction until it is secured.

![Diagram of propeller attachment](image)

### Detaching the Propellers

Press the propellers down into the mounting plate and rotate them in the unlock direction.

- Propeller blades are sharp – handle with care.
- Only use original TOPE propellers and do not mix propeller types.
- Match blades with the same marks. For example, the forward-rotating propellers include two pieces of type 8330R-A or two pieces of 8330R-B blades. The reverse propellers include two pieces of 8330L-A or two pieces of 8330L-B blades.
- The propellers are consumable items. Please purchase separately if necessary.
- Ensure that the propellers and motors are installed firmly and correctly before each flight.
- Ensure that all propellers are in good condition before each flight. Do not use aged, chipped, or broken.
- To avoid injury, stand clear of and do not touch propellers or motors when they are spinning.

### Intelligent Flight Battery

The TE-F360 Intelligent Flight Battery is a 4000 mAh battery with smart charging/discharging functionality. It should only be charged using an appropriate TOPE approved AC power adapter.

- The Intelligent Flight Battery must be fully charged before using it for the first time.

### Battery Features
1. **Battery Level Display:** The LED indicators display the current battery level.
2. **Balanced Charging:** The voltages of the battery cells are automatically balanced during charging.

3. **Overcharge Protection:** Charging automatically stops when the battery is fully charged.
4. **Over-discharge Protection:** Discharging stops automatically to prevent excessive discharge.

⚠️ Refer to the *TOPE Intelligent Flight Battery Safety Guidelines* before use. Users take full responsibility for all operations and usage.

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### Using the Battery

Press the Power button once, then press again and hold for 3 seconds to turn the battery on or off.

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### Low Temperature Notice

1. Battery capacity is significantly reduced when flying in low temperature (0° to 5° C) environments.
2. Batteries cannot be used in extremely low temperature (0° C) environments.
3. To ensure optimal performance of the battery, keep the battery temperature above 5° C, 20° C is recommended.

---

### Checking Battery Level

The battery level LEDs on the battery display how much charge remains. If the battery is turned off, press the Power button once and the battery level LEDs will light up to display the current battery level.

### Charging the Battery

The Intelligent Flight Battery must be fully charged before using it for the first time:

1. Connect the USB power adapter to a power source (DC5V 2~4A), at this moment, charger indicator will flash.
2. Attach the Intelligent Flight Battery to the USB power adapter
3. The battery level LEDs light up solid during charging.
4. The Intelligent Flight Battery is fully charged when the battery level LEDs will flash, which takes about 3-5 hours. Detach the AC power adapter when the battery is full charged.

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### Detaching the Battery

Pull the battery buckles and remove the battery from the aircraft.

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TE-F360 User Manual

TE-F360 supports 1080P HD video recording and takes HD photos with double anti-shock structure camera to output high quality images.

It supports real-time preview with TOPEUAV APP. Users can check photos and videos via playback function. Contents in SD card can be checked in computer as well.

TE-F360 supports Micro SD Card (Maximum 32GB)

⚠️ Do not remove the microSD card from the aircraft when it is turned on.

To ensure the stability of the camera system, single video recordings are capped at 30 minutes.

Micro USB interface

The Micro USB interface is only used for software and firmware upgrades, not for charging.

Remote Controller

TE-F360 remote controller features a brand new, amplified 2.4G signal transmission system, capable of controlling the aircraft and the gimbal camera at a maximum transmission range of 1KM. The remote controller can connect to the aircraft wirelessly. Maximum remote controller battery life is approximately 2 hours.

Image transmission from the aircraft uses amplified 5g Wi-Fi to connect to mobile phone and the folding clamps allow you to secure your mobile device.
Using the Remote Controller

Turning the Remote Controller On and Off

Press the Power button once to check the current battery level. Press once, then again and hold 3 seconds to turn the remote controller on or off.
### Charging the Battery

Use a USB-C cable to connect the USB adapter to the AC power adapter, then plug the USB adapter into the Charging / Main Video Link port on the remote controller. It takes approximately two hours to fully charge the remote controller battery.

![Charging Diagram](image)

### Controlling the Aircraft

The remote controller’s control sticks are configured for JP mode (Mode 1) and US mode as following

![Control Sticks Diagram](image)
Mode 1

Left Stick
- Forward
- Backward
- Turn Left
- Turn Right

Right Stick
- Up
- Down
- Left
- Right

Mode 2

Left Stick
- Up
- Down
- Turn Left
- Turn Right

Right Stick
- Forward
- Backward
- Left
- Right

The Stick Mode is set to Mode 2 by default.

Stick Neutral/Mid-Point: Control sticks are centered.
Moving the Control Stick: Control sticks are pushed away from the center.
The figure below explains how to use each control stick, using Mode 2 as an example.

<table>
<thead>
<tr>
<th>Remote Controller (Mode 2)</th>
<th>Aircraft (Indicates Nose Direction)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Left Joystick</td>
<td><img src="image" alt="Aircraft" /></td>
<td>Moving the left stick up or down changes the aircraft’s altitude. Push the stick up to ascend and down to descend. The more the stick is pushed away from the center position, the faster the aircraft will change altitude. Always push the stick gently to prevent sudden and unexpected changes in altitude.</td>
</tr>
<tr>
<td>Left Joystick</td>
<td><img src="image" alt="Aircraft" /></td>
<td>Moving the left stick to the left or right controls the orientation of the aircraft. Push the stick left to rotate the aircraft counter-clockwise and right to rotate the aircraft clockwise. The more the stick is pushed away from the center position, the faster the aircraft will rotate.</td>
</tr>
<tr>
<td>Right Joystick</td>
<td><img src="image" alt="Aircraft" /></td>
<td>Moving the right stick up and down changes the aircraft’s pitch. Push the stick up to fly forward and down to fly backward. The more the stick is pushed away from the center position, the faster the aircraft will move.</td>
</tr>
<tr>
<td>Right Joystick</td>
<td><img src="image" alt="Aircraft" /></td>
<td>Moving the right stick to the left or right changes the aircraft’s roll. Push the stick left to fly left and right to fly right. The more the stick is pushed away from the center position, the faster the aircraft will move.</td>
</tr>
</tbody>
</table>

**Linking the Remote Controller**

Remote controllers that are bought together with an aircraft are linked before shipment. To link a remote controller to an aircraft, follow the instructions below:

1. Power on the aircraft and the remote controller.
2. Push controller switch to the front, then press top left/right button of remote controller at the same time.
3. Select “Connect to the Aircraft’s Wi-Fi” and “Wired Connection”. And then select “Linking the remote controller”.
4. Release the button upon the Front LEDs blink.
5. When the status LED on the remote controller and the Front LEDs turn solid, linking is complete.

Ensure the remote controller is within 20 cm of the aircraft during linking.

Switch Control Mode

▲ The remote controller defaults to US hand mode, which can be switched back and forth as follows.

▲ First, press top-right and top-left buttons of the remote controller at the same time, second, press and hold the power button until all four signal lights turn on, then release all buttons. At this time, the remote controller will make audio sounds. US hand mode is indicated with one “beep”, and JP hand mode is indicated with two “beeps”. At the same time, the four lights flash slowly and then flash quickly, and the power indicator remains on after the flash is over, which means the switch has completed successfully.

▲ Note: The joystick cannot be touched during mode switching.

Optimal Transmission Zone

The signal between the aircraft and the remote controller is most reliable when the antennas are positioned in relation to the aircraft as depicted below.
Ensure that the aircraft is flying within the optimal transmission zone. To maintain optimal transmission performance, adjust the remote controller and antennas according to the figure above.

**TOPEUAV App**

Use this app to check flight data, intelligently control, operate TE-F360 camera, and other aircraft functions, which are used for configuring your aircraft, and editing and sharing your photos and videos with others.

**Overview of Menu Page**

Enter Camera View by tapping the “GO FLY” icon on the Equipment page when Wi-Fi of the aircraft is connected.

**Camera View**

1. **System Status Bar**
   
   ![System Status Bar](image)
   
   : This icon indicates aircraft flight status and displays various warning messages.

2. **Flight Mode**
   
   ![Flight Mode](image)
   
   : The text next to this icon indicates the current flight mode.

3. **GPS Signal Strength**
   
   ![GPS Signal Strength](image)
   
   : Shows the current GPS signal strength. White bars indicate adequate GPS strength.

4. **Wi-Fi Settings**
   
   ![Wi-Fi Settings](image)
   
   : Tap to enter the Wi-Fi Settings menu.

5. **Battery Level Indicator Bar**
The battery level indicator provides a dynamic display of the battery level.

6. General Settings
   Tap to enter the General Settings menu to set units of measurement, enable to set SD card.

7. Photo Mode: Tap to enter photo mode.

8. Camera Shutter
   Taking photo mode: click the tab to take a photo, which will be stored on phone and SD card in camera at the same time.
   Recording video mode: click the tab to start recording, re-click again to stop. Videos will be stored on phone and SD card in camera at the same time.

9. Video Mode: Tap to enter Video mode.

10. Preview Photo / Video: Check the photos / videos that have been recorded.

11. Flight Telemetry
    \[ \text{D M: Distance between the aircraft and the Home Point.} \]
    \[ \text{H M: Height from the Home Point.} \]
    \[ \text{H.S M/S: Aircraft horizontal speed.} \]
    \[ \text{V.S M/S: Aircraft vertical speed.} \]

12. Flight Map
    Click to open flight map, which can be downloaded during internet connected status.

13. Flight Speed Level
    Control flexibility of joysticks.

14. Smart RTH
    Tap to initiate the Smart RTH procedure and have the aircraft return to the last recorded Home Point.

15. Auto Takeoff/Landing
    Tap to initiate auto takeoff or landing.

16. Intelligent Flight Mode
    Tap to select Intelligent Flight Modes.

17. Back
    Tap to return to the main menu.

### Intelligent Flight Modes

TE-F360 aircraft supports intelligent flight modes, including Active Track, Tap Fly, Point of Interest, and
Gesture mode. Tap 🎤 in TOPEUAV APP to enable an Intelligent Flight Mode, which require GPS mode on remote controller to be enabled.

**Active Track**

On basis of intelligent track of mobile GPS, the aircraft will set the phone as a home point, and keep tracking the point together over a certain distance. GPS signal must be stable during the active track.

**Using Active Track**

Ensure the Intelligent Flight Battery is fully charged and the aircraft is in GPS Mode. Follow the steps below to use Active Track:

1. Take off and hover at least 3 m above ground

![Drone hovering 3 meters above the ground]

2. Tap 🎤 in TOPEUAV APP to bring up the intelligent flight modes.

3. Tap 🎤 to start active track. The aircraft will keep tracking target in a certain distance after tapping confirm button.
Exiting Active Track

Press the Cancel button on the menu to exit. After exiting Active Track, the aircraft will hover in place.

Tap Fly

Tap a specific location on TOPEUAV APP. The aircraft will travel to that point at your current altitude, then hover in place.

1. Ensure the Intelligent Flight Battery is fully charged and the aircraft is in GPS Mode. Take off and ensure the aircraft is hovering at least 10m above ground.

![Drone Image]

2. Tap in TOPEUAV APP to bring up Intelligent Flight Mode.
3. Tap to start Tap Fly. Aircraft will fly to the target automatically and hover after confirming it on map.
4. Press the Cancel button on the menu in TOPEUAV APP. The aircraft will hover in place after exiting.

**Point of Interest**

The aircraft will set current position as a subject, and circle radius is set by the front, rear, left and right joysticks.

1. Ensure the Intelligent Flight Battery is fully charged and the aircraft is in GPS Mode. Take off and ensure the aircraft is hovering at least 10m above ground.

![Drone hovering 10m above ground](image)

2. Tap 📡 in TOPEUAV APP to bring up Intelligent Flight Mode.

3. Tap 🧑‍✈️ to start Point of Interest mode. The aircraft will set current position as a subject, and circle radius is set by the front, rear, left and right joysticks. (The radius of the aircraft is not less than 5m. The aircraft will automatically increase to 5m if circle radius is set less than 5m.)
4. Press the Cancel button on the menu in TOPEUAV APP. The aircraft will hover in place after exiting.

**Gesture Mode**

TE-F360 aircraft supports taking photos and recording videos by gesture.

1. Camera of aircraft focuses on people that make gesture, and make sure upper body or whole person is in capture range.

2. Tap 💣 in TOPEUAV APP to bring up Intelligent Flight Mode.

3. Tap ✋ to start Gesture mode to take selfies.

4. Take Photos by Gesture:
   Make a V gesture with one hand. Once your selfie gesture has been recognized a three-second countdown will begin with three audio “beeps”. A photo will be automatically taken after countdown ends.
Notice: Fingers should not be above the head when making gestures, and the arms and palms should keep parallel with the body, otherwise it will affect the aircraft’s ability to recognize the action.

5. Record Videos by Gesture:
Make a Hi gesture with your fingers opened. Once your gesture has been recognized the phone will “beep” and the camera will start recording. Making the same “Hi” gesture again will stop the recording.

Notice: Fingers should not be above the head when making gestures, and the arms and palms should keep parallel with the body, otherwise it will affect the aircraft’s ability to recognize the action.

5. Press the Cancel button on the menu in TOPEUAV APP to exit gesture mode.

Flight

Once pre-flight preparation is complete, it is recommended that you use the flight simulator to hone your flight skills and practice flying safely. Ensure that all flights are carried out in an open area. The flying height is limited to 120 m, DO NOT exceed the safe height. Make sure to read the TE-F360 Disclaimer and Safety Guidelines before you fly.

Flight Environment Requirements
1. Do not use the aircraft in severe weather conditions. These include wind speeds exceeding 10 m/s, snow, rain and fog.
2. Fly in open areas. Tall structures and large metal structures may affect the accuracy of the onboard compass and GPS system.
3. Avoid obstacles, crowds, high voltage power lines, trees, and bodies of water.
4. Minimize interference by avoiding areas with high levels of electromagnetism, including base stations and radio transmission towers.
5. Do not operate the aircraft where there is obvious change in the ground level (e.g. flight from inside the building to outside) and when the GPS signal is weak, in this case the positioning function can experience
interference and thus impacts flight safety.

6. Aircraft and battery performance is subject to environmental factors such as air density and temperature. Be very careful when flying at altitudes of 4000 meters above sea level, as battery and aircraft performance may be affected.

7. The aircraft cannot use GPS Mode within the polar areas.

Flight Limits and GEO Zones

Abide by all laws and regulations when flying your aircraft. Flight limitations are applied by default in order to help users operate this product safely and legally. Flight limitations include altitude limits, distance limits, and GEO Zones.

⚠️ For safety reasons, please do not fly close to airports, highways, railway stations, railway lines, city centers, or other sensitive areas. Fly the aircraft only within your line of sight.

Calibrating the Compass

▲ Calibrate the compass during first time to use, or do so when changing to another place to fly
▲ Turn on the aircraft and remote controller, push throttle joystick to the bottom, push front and rear joystick to the top, and release all joysticks until front indicator alternate yellow and green fast flashing.
▲ Grab the rear of the aircraft and turn it clockwise 5 times or more.
▲ Calibration is complete once indicator turns to red slow flashing.

US Mode as an example

💡 • DO NOT calibrate your compass where there is a chance of strong magnetic interference, such as near magnetite, parking structures, or steel reinforcements underground.

• DO NOT carry ferromagnetic materials with you during calibration such as cellular phones.

• Leave the aircraft on the ground after calibration is complete.

Preflight Checklist

1. Ensure the remote control device, smart device, and Intelligent Flight Battery is fully charged.
2. Ensure the propellers and propeller guards are in good condition and securely mounted and tightened.
3. Ensure the SD card is inserted. With SD card available, images/ videos captured by aircraft will be saved both to SD card and mobile phone, or just to phone if SD card is unavailable.
4. Ensure the Intelligent Flight Battery is mounted firmly. Ensure that the camera lens and Vision System sensors are clean.
5. Ensure that there is nothing obstructing the motors and that the motors are functioning normally.
6. Ensure that the TOPEUAV APP is successfully connected to the aircraft.
Test Flight

Remote controller can control aircraft independently. However, it is better to connect with APP to get more flight data.

**Takeoff/Landing Procedures**

1. Place the aircraft in an open, flat area with the Aircraft Status Indicator facing towards you.
2. Turn on the aircraft and the remote controller.
3. Turn on intelligent flight battery to connect remote controller and aircraft.
4. Launch the TOPEUAV App and enter Camera View after mobile connects Wi-Fi of TE-F360 aircraft.
   
   ![Remote Control and Aircraft Status Indicator](image)

5. Wait until the Aircraft Status Indicator blinks green slowly indicating that it is now safe to fly with the following methods:

**Manual Takeoff**

a. A Combination Stick Command (CSC) is used to start the motors. Push both sticks to the bottom inner or outer corners to start the motors. Once the motors have started spinning, release both sticks simultaneously.

   ![Combination Stick Command](image)

b. Pull throttle slowly to the aircraft to rise.

**Auto Takeoff**

The aircraft can takeoff automatically using TOPEUAV APP or by remote controller.

Auto takeoff in TOPEUAV APP:

Tap 🔁 icon, motor starts automatically and aircraft takes off and hovers at 2 meters above ground.

Auto takeoff by remote controller:

Three short presses on power button, motor starts automatically and aircraft takes off and hovers at 2 meters above ground.


   **Manual landing:**
   
   Push throttle stick down, and the aircraft will land slowly. When the aircraft has landed, push and hold the throttle stick down. The motors will stop after a few seconds.
APP Auto Landing:
Tap icon, the aircraft lands on ground slowly, and motor stops automatically.

Remote Controller Auto Landing:
Three short presses on power button, the aircraft lands on ground slowly, and motor stops automatically.

7. Turn off the aircraft and remote controller.

⚠️ If the Aircraft Status Indicator blinks yellow quickly during flight, the remote control signal has been lost and the aircraft will activate Fallsafe RTH. Refer to the Return to Home section for more information.
If the Aircraft Status Indicator blinking red slowly or quickly during flight a low battery level warning or critically low battery level warning has occurred.
Watch video tutorials to learn more about takeoff/landing procedures.

Video Suggestions and Tips
1. Go through the full pre-flight checklist before each flight.
2. Only take photo / shoot video when flying in safe flight status.
3. Always fly in good weather and avoid flying in rain or heavy wind.
4. Perform flight tests to establish flight routes and preview scenes.
5. Push the control sticks gently to keep the aircraft's movement smooth and stable.

Awareness of flight safety is very important to you, the people around you and the safety of the flight environment.
Please read Disclaimer and Safety Guidelines carefully.
## Appendix

### Specifications

<table>
<thead>
<tr>
<th>Aircraft</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Weight</td>
<td>530 g</td>
</tr>
<tr>
<td>Flying Time</td>
<td>Around 25 Min</td>
</tr>
<tr>
<td>Wi-Fi</td>
<td>300-500M</td>
</tr>
<tr>
<td>Motor Type</td>
<td>1806 Motor</td>
</tr>
<tr>
<td>Cruiser</td>
<td>Support</td>
</tr>
<tr>
<td>GPS Mode</td>
<td>GPS/GLONASS (Dual Mode)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>50<em>50</em>9cm (Full Size)</td>
</tr>
<tr>
<td></td>
<td>19<em>13</em>9cm (Folded size)</td>
</tr>
<tr>
<td>Propellers Released</td>
<td>Yes</td>
</tr>
<tr>
<td>Propellers Foldable</td>
<td>Yes</td>
</tr>
<tr>
<td>Aircraft Foldable (Portable)</td>
<td>Yes</td>
</tr>
<tr>
<td>RTH</td>
<td>Yes (Automatically return to home once out of control range in GPS mode)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Camera</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Camera Lens</td>
<td>FOV 150/2.0</td>
</tr>
<tr>
<td>Photo Mode</td>
<td>Single Shot/ Multi-shot</td>
</tr>
<tr>
<td>Video Record</td>
<td>HD 1080P 25</td>
</tr>
<tr>
<td>Image Format</td>
<td>JPEG</td>
</tr>
<tr>
<td>Video Format</td>
<td>MP4</td>
</tr>
<tr>
<td>Memory Card</td>
<td>Supports TF Card (Maximum 32GB)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Capacity</td>
<td>4000mAh (25.9Wh)</td>
</tr>
<tr>
<td>Battery Voltage</td>
<td>7.6V (2S)</td>
</tr>
<tr>
<td>Charging Time</td>
<td>3-5 Hours</td>
</tr>
<tr>
<td>Discharge rate</td>
<td>15C</td>
</tr>
<tr>
<td>Charging Method</td>
<td>Forward: USB Charger (Optional: USB power adapter 2A/4A)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remote Controller</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>2.4G Remote Controller (Supports control on ground by phone app)</td>
</tr>
<tr>
<td>Max. Distance</td>
<td>About 1000m</td>
</tr>
<tr>
<td>Power of Controller</td>
<td>3.7V / 650Ah</td>
</tr>
</tbody>
</table>

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