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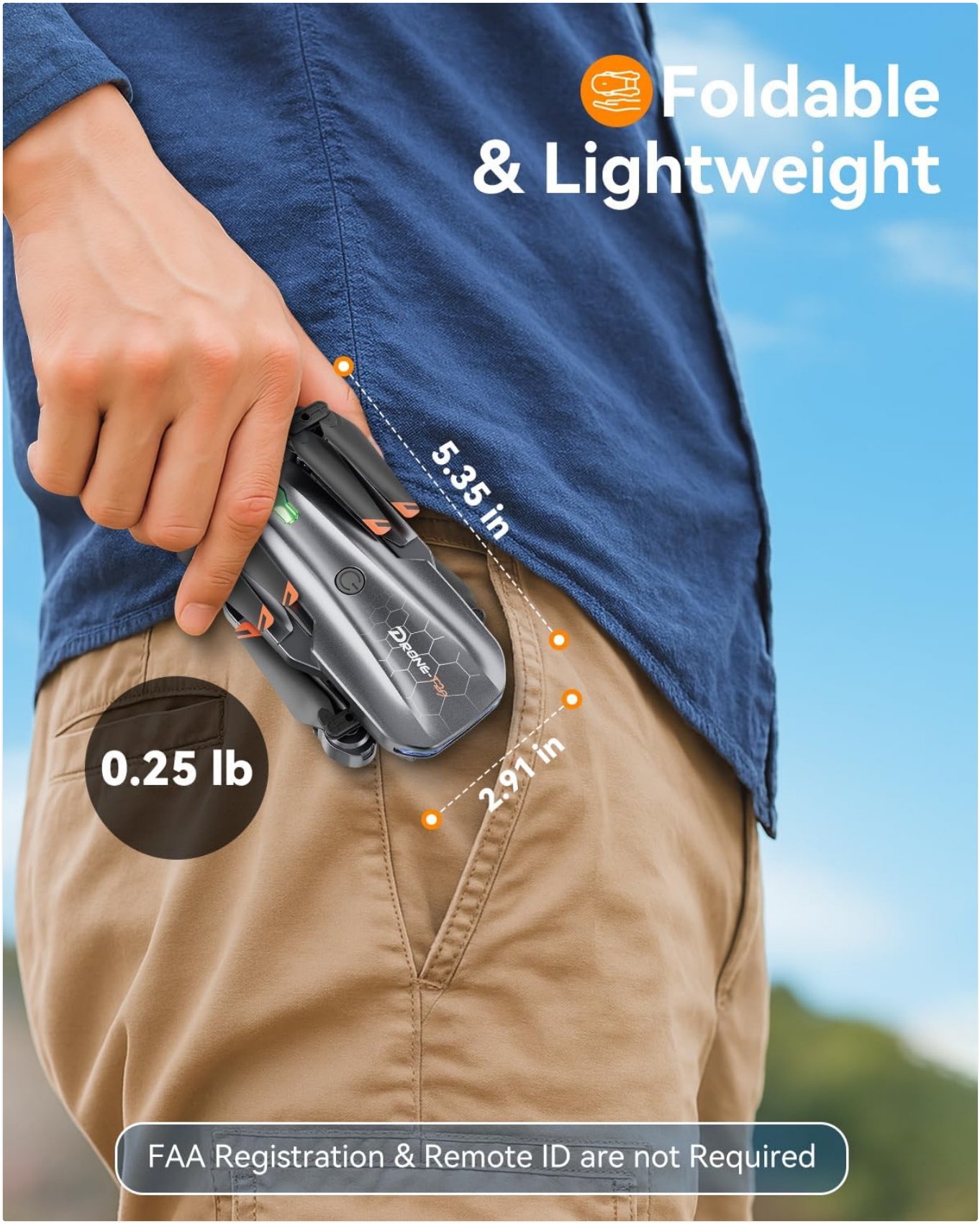
FERIETELF T29-US

FERIETELF T29 Drone User Manual

Model: T29-US

1. Introduction

The FERIETELF T29 is a foldable mini drone designed for both beginners and experienced users. It features a 1080P HD camera, multiple flight modes, and intuitive controls, making it suitable for recreational flying and aerial photography. This manual provides detailed instructions for safe operation, setup, maintenance, and troubleshooting.



The FERIETELF T29 drone is designed to be foldable and lightweight, making it highly portable. Its compact size allows for easy storage and transport, fitting conveniently into a pocket or small bag. This design eliminates the need for FAA registration or Remote ID for recreational use in many regions.

2. Safety Guidelines

- Always operate the drone in open, clear areas, away from people, animals, and obstacles.
- Do not fly near airports, restricted airspace, or sensitive facilities.

- Avoid flying in strong winds, rain, snow, or other adverse weather conditions.
- Ensure the drone's battery and remote control batteries are fully charged before each flight.
- Keep fingers and loose clothing away from rotating propellers.
- Supervise children during drone operation.
- Perform pre-flight checks, including calibration, before every takeoff.
- In case of low battery, land the drone immediately to prevent loss of control.

3. Package Contents

Verify that all items are present in your package:

- FERIETELF T29 Drone
- Remote Control
- Rechargeable Drone Batteries (x2)
- USB Charging Cable
- Spare Propellers (x4)
- Propeller Guards (x4)
- Screwdriver
- User Manual
- Carrying Case



This image displays the complete contents of the FERIETELF T29 drone package. It includes the drone, remote control, two rechargeable batteries, a USB charging cable, four spare propellers, four propeller guards, a small screwdriver for assembly, and the user manual, all neatly organized for convenience.

4. Component Identification

4.1 Drone Components

- **Propellers:** Four rotating blades for lift and propulsion.

- **Motors:** Drive the propellers.
- **Camera:** Front-facing 1080P HD camera for photo and video capture.
- **Battery Compartment:** Located at the rear of the drone.
- **LED Indicators:** Provide status information (e.g., power, pairing).
- **Optical Positioning Camera:** Bottom-mounted camera for stable altitude hold.

4.2 Remote Control Layout



This diagram illustrates the layout of the FERIETELF T29 drone's remote control. Key functions include: (1) Video recording, (2) Taking photos, (3) Speed switching, (4) Flip button. It also shows the Throttle Control, Headless Mode button, Power switch (ON/OFF), Emergency stop, One-key Ascending/Landing button, Direction control, and various Trimmer buttons for Forward, Backward, Left side-flying, and Right side-flying adjustments.

5. Setup

5.1 Battery Installation and Charging

Drone Battery: Insert the fully charged drone battery into the battery compartment at the rear of the drone until it clicks into place. To remove, press the release clip and pull the battery out.
Remote Control Batteries: Open the battery cover on the back of the remote control and insert 3 x AAA batteries (not included), ensuring correct polarity. Close the cover.
Charging: Connect the drone battery to the USB charging cable. Plug the USB end into a 5V/1A USB adapter (e.g., phone charger, computer USB port). The indicator light on the cable will show charging status. A full charge typically takes 60-80 minutes. Do not overcharge.



This image highlights the FERIETELF T29 drone's battery system. It shows two rechargeable batteries, emphasizing that they provide a combined flight time of 20-24 minutes. The batteries are equipped with a low battery alarm feature, which alerts the user when power is running low, and built-in over-voltage protection to ensure safe charging and usage.

5.2 Propeller and Propeller Guard Installation

If propellers or guards are not pre-installed, attach them according to the markings (A/B) on the propellers and drone arms. Ensure they are securely fastened. Propeller guards provide protection during collisions and are recommended for beginners.

5.3 App Installation and Connection

Download the dedicated FERIETELF drone app from your smartphone's app store (iOS/Android). Turn on the drone and connect your phone to the drone's Wi-Fi network (usually named 'Drone-XXXXXX'). Open the app to establish a connection and view the real-time camera feed.



This image demonstrates the FERIETELF drone's upgraded wireless connectivity technology. It shows a smartphone connected to the drone, displaying a real-time image stream from the drone's camera. This feature allows users to see what the drone sees directly on their mobile device, enhancing the flying and photography experience.

6. Operating Instructions

6.1 Pairing the Drone and Remote

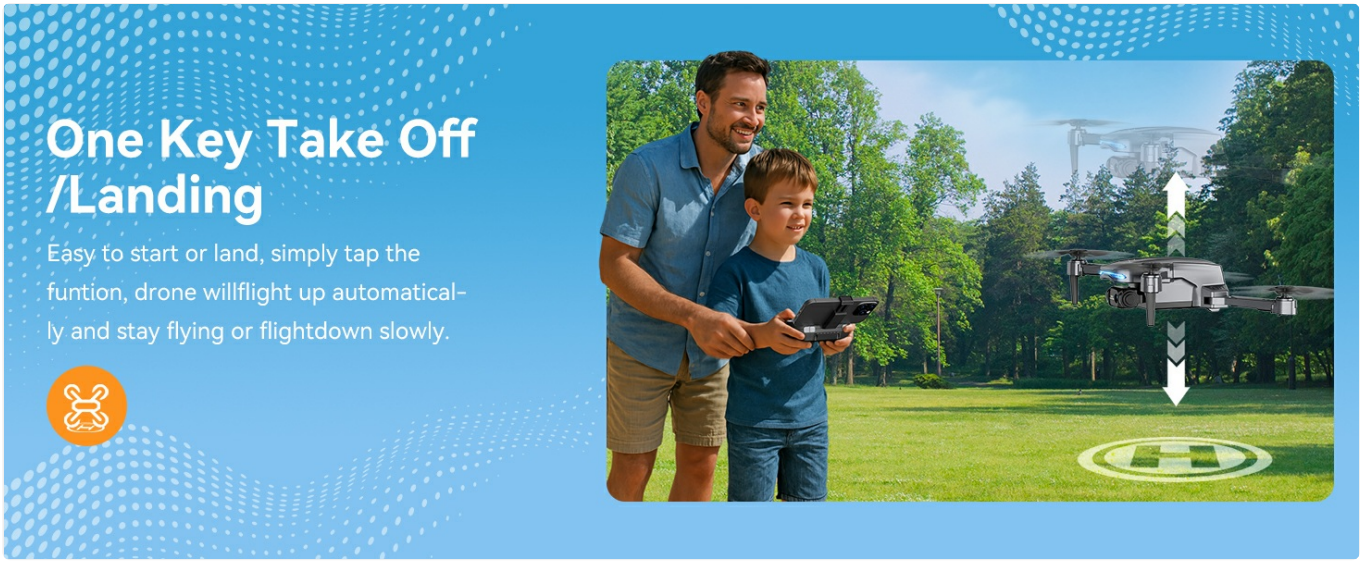
1. Place the drone on a flat, level surface.
2. Turn on the drone's power switch. The LED lights will flash.
3. Turn on the remote control.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone's LED lights will stop flashing and remain solid, indicating successful pairing.

6.2 Calibration

After pairing, it is crucial to calibrate the drone for stable flight. Push both joysticks down and to the right simultaneously. The drone's lights will flash rapidly and then become solid, indicating successful calibration. **Recalibrate before each flight and if the drone tips over.**

6.3 Takeoff and Landing

- **One-Key Takeoff:** Press the one-key takeoff/landing button. The drone will automatically ascend to a stable altitude and hover.
- **Manual Takeoff:** Push both joysticks down and outwards to start the propellers. Slowly push the left joystick (throttle) up to ascend.
- **One-Key Landing:** Press the one-key takeoff/landing button again. The drone will automatically descend and land gently.
- **Manual Landing:** Slowly pull the left joystick (throttle) down to descend. Once landed, pull both joysticks down and inwards to stop the propellers.



This image illustrates the simplicity of the FERIETELF T29 drone's one-key takeoff and landing feature. A father and son are shown easily controlling the drone, which can automatically ascend to a stable hover or gently descend and land with a single button press, making it user-friendly for all skill levels.

6.4 Basic Flight Controls

- **Left Joystick (Throttle):** Up/Down for Ascend/Descend. Left/Right for Yaw (rotate left/right).
- **Right Joystick (Direction):** Up/Down for Forward/Backward. Left/Right for Left/Right Sideways Flight.

6.5 Advanced Features



This image showcases four key flight features of the FERIETELF T29 drone: **3D Flip** for acrobatic maneuvers, **Gravity Sensing** allowing control by tilting a smartphone, **Line Following Flight** where the drone follows a drawn path on the app, and **One-Touch Takeoff/Landing** for simplified operation.

- **3-Speed Modes:** Press the speed switch button on the remote to cycle between Low, Medium, and High speeds. Low is recommended for beginners and indoor flight. High speed provides better wind resistance outdoors.



This image illustrates the three distinct speed modes of the FERIETELF T29 drone. Low and Medium speeds are ideal for practice and familiarization, offering easier control. The High-speed mode is designed for outdoor use, enhancing the drone's ability to withstand wind and perform more dynamic maneuvers.

- **360° Flips (3D Flip):** While flying, press the 3D flip button, then push the right joystick in the desired direction (forward, backward, left, or right) to perform a flip.



This image depicts the FERIETELF T29 drone executing a dazzling 3D flip. To perform this maneuver, users press the dedicated 3D flip button on the remote and then use the arrow keys to dictate the direction of the flip while the drone is in flight.

- **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. This simplifies control for beginners.
- **Altitude Hold:** The drone automatically maintains a stable altitude, allowing for easier control and clearer aerial shots. This is achieved using the bottom optical positioning camera.



This image illustrates the Stable Altitude Hold feature of the FERIETELF T29 drone. The drone is shown hovering accurately in position, which is achieved by its optical positioning camera located on the bottom. This feature is particularly beneficial for beginners, as it simplifies flight control by automatically maintaining a consistent height.

- **APP Control:** Utilize the smartphone app for additional control features, including:
    - **Gravity Sensing:** Control the drone's direction by tilting your smartphone.
    - **Voice Control:** Issue simple voice commands to the drone (e.g., "Take off", "Land").
    - **Line Following Flight:** Draw a path on your smartphone screen, and the drone will follow it automatically.



This collage highlights the diverse APP control capabilities of the FERIETELF T29 drone. It visually represents features such as Line Drawing Flight (where the drone follows a pre-drawn path), Gravity Control (tilting the phone to steer), Voice Control for hands-free commands, Headless Mode for simplified orientation, and a Low Battery Alarm for timely landing.

6.6 Camera Operation

The T29 drone is equipped with a 1080P HD camera for capturing photos and videos.



This image features the FERIETELF T29 drone, highlighting its 1080P HD adjustable camera. The visual representation of floating photo thumbnails suggests the drone's capability to capture high-definition aerial photographs during flight.



This image focuses on the FERIETELF T29 drone's 1080P HD camera, visually demonstrating its high-resolution capability by contrasting a clear, sharp image captured by the drone with a blurry image labeled 'Other', highlighting the superior clarity of the T29's camera.

- **Take Photo:** Press the photo button on the remote control or tap the camera icon in the app to take a still image.
- **Record Video:** Press the video button on the remote control or tap the video icon in the app to start/stop video recording.
- **Gesture Shooting:** Use specific hand gestures in front of the camera to trigger photo or video capture (refer to app instructions for specific gestures).



This image demonstrates the 'Gesture Shooting' feature of the FERIETELF T29 drone. It shows two insets: one for 'Take Photo' with a hand gesture resembling a peace sign, and another for 'Take Video' with a hand gesture resembling a raised open palm. These gestures allow users to remotely trigger photo and video capture while enjoying activities like a beach outing with friends.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Do not use harsh chemicals or liquids.
- **Propeller Replacement:** If propellers are damaged, replace them immediately using the provided spare propellers and screwdriver. Ensure correct A/B markings are matched.
- **Battery Care:** Store batteries in a cool, dry place. Do not expose them to extreme temperatures. Charge batteries fully before long-term storage and recharge every 3 months to maintain battery health.
- **Storage:** When not in use, store the drone and its components in the provided carrying case to protect them from

dust and damage.

8. Troubleshooting

Problem	Possible Cause	Solution
Drone does not respond to remote.	Not paired; Low battery; Out of range.	Re-pair drone and remote; Charge batteries; Fly within range.
Drone drifts during flight.	Not calibrated; Uneven takeoff surface; Wind interference.	Recalibrate drone; Take off from a level surface; Avoid flying in strong winds.
Propellers do not spin.	Not armed; Obstruction; Damaged motor/propeller.	Perform manual takeoff sequence; Check for obstructions; Replace damaged parts.
Camera feed is blurry or disconnected.	Weak Wi-Fi signal; App issue.	Ensure strong Wi-Fi connection; Restart app and drone; Reconnect Wi-Fi.
Short flight time.	Battery not fully charged; Old battery.	Ensure battery is fully charged; Consider replacing old batteries.

9. Specifications

- **Model Name:** T29
- **Brand:** FERIETELF
- **Color:** Black
- **Video Capture Resolution:** 1080p
- **Connectivity Technology:** Wi-Fi, RF
- **Control Type:** Remote Control, App Control
- **Skill Level:** Beginner
- **Item Weight:** Approximately 110 Grams (3.88 ounces)
- **Product Dimensions:** 11"L x 9.84"W x 2.28"H (unfolded)
- **Battery Capacity:** 1200 mAh (per battery)
- **Flight Time:** 20-24 minutes (with 2 batteries, varies by conditions)
- **Special Features:** 360 Degree Flip, Foldable, Integrated Camera, Long Battery Life, Speed Adjustment, Altitude Hold, Headless Mode, Gesture Shooting, Voice Control, Gravity Sensing, Line Following Flight.

10. Warranty and Support

For warranty information, technical support, or any inquiries regarding your FERIETELF T29 drone, please refer to the contact details provided on the product packaging or the official FERIETELF website. We recommend testing the drone in a spacious, calm, and windless area for your first flight to ensure the best experience.

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