

elecci E88 Drone with Screen Controller Instruction Manual

Model: E88 | Brand: elecci

1. INTRODUCTION AND OVERVIEW

The elecci E88 Drone is a versatile and user-friendly quadcopter designed for both beginners and experienced pilots. It features a 1080P HD camera for high-quality aerial photography and videography, a robust brushless motor for stable flight, and an intuitive screen controller for real-time feedback and precise control. This manual provides detailed instructions to help you set up, operate, and maintain your E88 drone.

- **Compact & Portable:** Foldable design for easy storage and transport.
- **Beginner-Friendly:** One-key start, altitude hold, and 360° flip functions simplify operation.
- **Extended Flight Time:** Comes with 2 rechargeable batteries, providing up to 24 minutes of combined flight time.
- **Screen Controller:** Enjoy easy operation and live HD video playback directly on the controller.
- **Advanced Camera:** 1080P HD camera for stunning aerial photos and videos.
- **Active Obstacle Avoidance:** Enhances flight safety by detecting and avoiding obstacles.



Image: The elecci E88 Drone in flight with its screen controller, showcasing its compact design and integrated display.

2. WHAT'S IN THE BOX

Your elecci E88 Drone package includes the following components:

- elecci E88 Drone
- Screen Controller
- 2 Lithium Ion Batteries
- Camera
- Handbag
- SD Card
- Charging Cable
- Spare Propellers
- Screwdriver
- Wing Guards (Propeller Protectors)

3. SETUP AND PRE-FLIGHT PREPARATION

3.1 Unfolding the Drone

Carefully unfold the drone arms until they click into place. Ensure all four arms are fully extended and locked before flight.

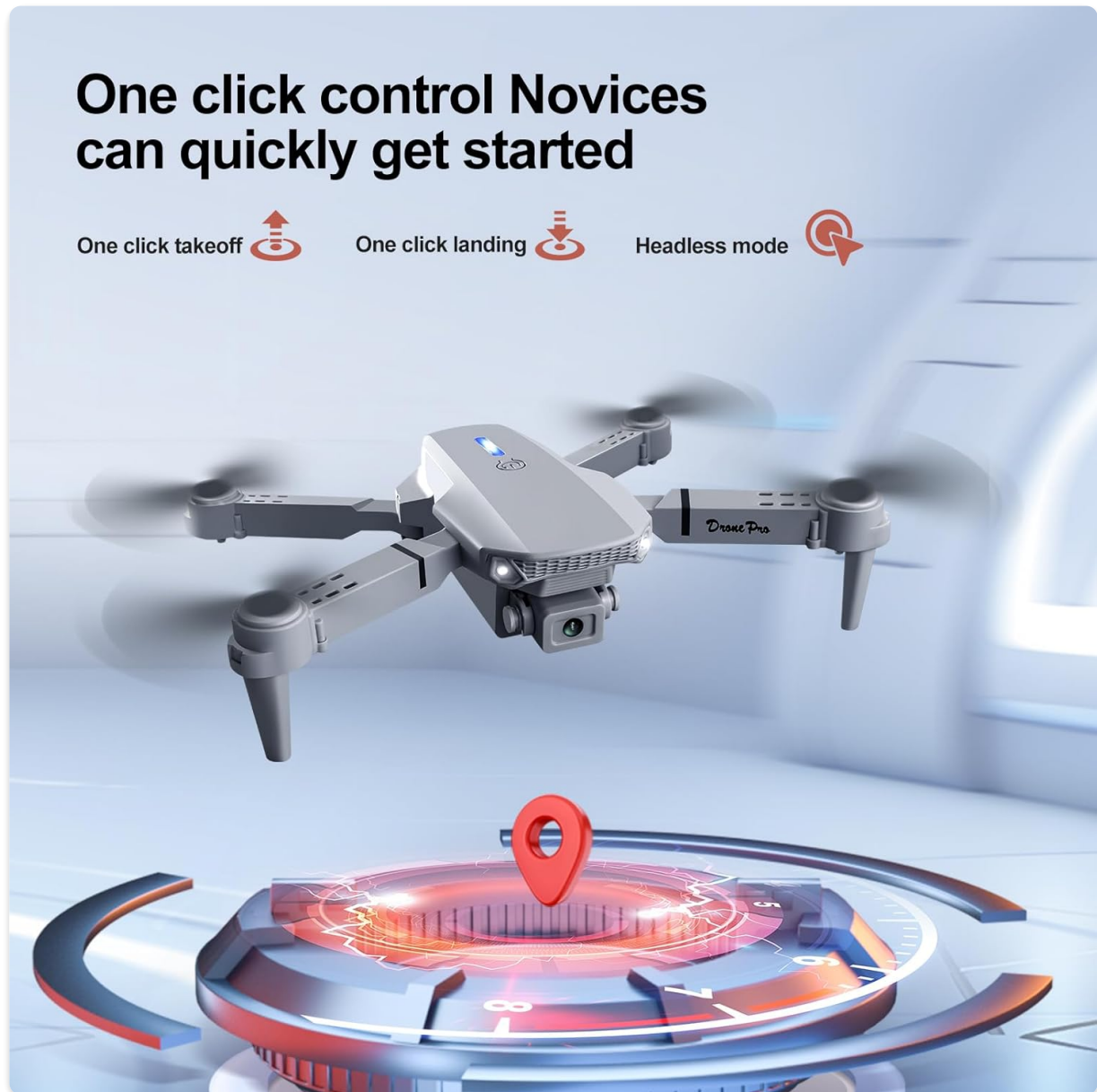


Image: The elecci E88 Drone with its arms unfolded, ready for flight.

3.2 Charging the Batteries

Ensure both the drone battery and the controller battery are fully charged before use. Use the provided charging cable. The drone uses Lithium Ion batteries.

Module with large battery Long-lasting and playable

Always maintain high hovering
Stable flight both indoors and outdoors



Image: Close-up of the modular battery being inserted into the elecci E88 Drone.

3.3 Device Binding and Calibration

To establish a connection between the drone and the remote controller, follow these steps:

1. Press and hold the drone power switch to start the drone. The indicator lights will flash.
2. Turn on the remote controller power switch.
3. Press and hold the remote controller screen power switch to turn on the screen.
4. The remote controller will emit a "bi-bi" sound, and the drone indicator lights will stay on, indicating successful device binding.
5. For calibration, simultaneously move the left remote controller joystick to the "5 o'clock" position and the right joystick to the "7 o'clock" position. The drone indicator lights will flash quickly for 3 seconds and then stay on, indicating successful calibration.

Video: General drone operation guide, including device binding and calibration steps. Note: This video demonstrates a similar model (TD12LCD) but the binding and calibration process is analogous for the E88.

4. OPERATING INSTRUCTIONS

4.1 Remote Controller Overview

Familiarize yourself with the remote controller's layout and functions for optimal control.

Remote Control Guide



Image: Detailed guide to the elecci E88 Drone's screen controller, highlighting various buttons and their functions.

4.2 One Key Take-off/Landing

After the drone propellers are unlocked (see Device Binding), briefly press the "One Key take-off/landing" button on the remote controller. The drone will automatically take off or land.

Video: Demonstration of the elecci E88 Drone's one-key take-off and landing feature.

4.3 Basic Flight Controls

Use the joysticks on the remote controller to maneuver the drone:

- **Left Joystick Up/Down:** Ascend/Descend.
- **Left Joystick Left/Right:** Rotate Left/Right (Yaw).
- **Right Joystick Up/Down:** Move Forward/Backward (Pitch).
- **Right Joystick Left/Right:** Fly Left/Right (Roll).

4.4 Headless Mode

In Headless Mode, the drone's orientation is relative to the pilot, making it easier for beginners to control without worrying about the drone's front or back. Press and hold the "Headless Mode" button to activate/deactivate.

4.5 Speed Adjustment

The drone offers multiple speed settings. Briefly press the "Speed Adjustment" button to cycle through different speed levels (Level 1, Level 2, Level 3). The remote controller will emit a "bi-bi" sound to indicate the speed change.

4.6 3D Flip Function

To perform a 360° flip, briefly press the "3D Flip" button. Then, push the right joystick in the desired direction (up, down, left, or right) to execute the flip.

4.7 Adjusting the Camera

Use the dedicated camera buttons on the remote controller to adjust the camera angle during flight:

- **"Camera Up" Button:** Adjusts the drone camera upward.
- **"Camera Down" Button:** Adjusts the drone camera downward.



Image: Close-up of the elecci E88 Drone's dual camera system, highlighting its remote control camera angle adjustment and switching capabilities.

4.8 Taking Photos and Recording Videos

To capture media, ensure a Micro SD card (not exceeding 32GB, not included) is inserted into the remote controller's memory card slot. Photos and videos will be automatically saved to the SD card.

- **Take Photo:** Briefly press the "Take Photo" button. The screen will display a photo taken and saved successfully icon.
- **Record Video:** Briefly press the "Record Video" button to start recording. The screen will display a recording in progress icon. Press again to end recording.

4.9 Advanced Flight Features

- **Optical Flow Localization:** Provides stable hovering, especially useful for indoor flight or when GPS is unavailable.
- **Active Obstacle Avoidance:** The drone is equipped with sensors to detect and avoid obstacles, enhancing flight safety.
- **Waypoint Fly:** Plan custom flight paths by drawing on the app interface (if using phone connection), and the drone will follow the trajectory.

Video: elecci S168 Drone with Screen Controller, demonstrating various flight features including stable flight, dual camera views, and obstacle avoidance. The E88 shares similar functionalities.

Video: ikaufen Drone E88, showcasing features like colorful night lights, omni-directional obstacle avoidance, ESC camera, and one-click landing. These features are also present in the elecci E88.

5. MAINTENANCE

5.1 Propeller Removal and Installation

To replace damaged propellers:

1. Hold the drone motor firmly.
2. Use the provided screwdriver to unscrew the screw securing the propeller.
3. Remove the old propeller.
4. When installing new propellers, pay attention to the "A" or "B" markings on each drone arm and propeller. Only propellers with the same letter can be installed on the same arm (e.g., A1 and A2 propellers on an A arm; B1 and B2 propellers on a B arm).
5. Place the new propeller over the screw and tighten it securely with the screwdriver.

5.2 General Care

- Keep the drone and controller clean and dry.
- Avoid exposing the drone to extreme temperatures or direct sunlight for prolonged periods.
- Store the drone in its carrying case when not in use to prevent damage.

6. TROUBLESHOOTING

- **Drone not responding to controls or flying erratically:** Ensure the drone and controller are properly bound and calibrated. Check battery levels on both devices. If issues persist, recalibrate the drone on a flat surface.
- **Obstacle avoidance not working:** Verify that the obstacle avoidance feature is active. Ensure

sensors are clean and unobstructed. Note that obstacle avoidance may have limitations in certain environments or with specific types of obstacles.

- **Cannot record photos/videos:** Ensure a Micro SD card (up to 32GB) is correctly inserted into the remote controller. The drone cannot record without a memory card.
- **Phone connection issues:** If using a phone for FPV or advanced features, ensure the drone's Wi-Fi is connected to your phone. Note that some features might be exclusive to the screen controller or require specific app settings.
- **Durability concerns:** While designed for ease of use, drones can be susceptible to damage from crashes. Handle with care, especially during initial flights. Utilize propeller guards for added protection.

7. SPECIFICATIONS

Feature	Specification
Brand	elecci
Model Name	E88
Video Capture Resolution	1080p
Connectivity Technology	Bluetooth, Wi-Fi
Item Weight	6.4 ounces
Battery Cell Composition	Lithium Ion (2 included)
Product Dimensions	3.2"L x 1.9"W x 5"H (Folded)
Special Features	360 Degree Flip, Auto Follow, One Button Return, One Key Rotation, Optical Flow Localization, Active Obstacle Avoidance

8. WARRANTY AND SUPPORT

For warranty information, technical support, or any product-related inquiries, please refer to the manufacturer's official website or contact elecci customer service directly. Details can typically be found on the product packaging or included documentation.