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RELIDOL X62

RELIDOL X62 Drone

User Manual

1. Introduction

Thank you for choosing the RELIDOL X62 Drone. This foldable remote control quadcopter features a 1080P HD camera, voice and gesture control, 3D flip capabilities, and easy one-key operations, making it ideal for beginners and experienced users alike. This manual provides detailed instructions for safe operation, setup, and maintenance to ensure you get the most out of your drone.

2. Safety Guidelines

Always operate the drone in a safe and responsible manner. Failure to follow these guidelines may result in injury or damage to the drone.

- **Environment:** Fly in open, clear areas away from people, animals, buildings, and obstacles. Avoid flying in strong winds or adverse weather conditions. For initial flights, choose a windless indoor space.
- **Distance:** Maintain a safe distance from yourself and others. Keep the altitude below 6 meters and the distance below 30 meters for practice.
- **Battery Safety:** Use only the provided charging cables and batteries. Do not overcharge or puncture batteries. Discontinue use if batteries are damaged or swollen.
- **Propellers:** Keep fingers, hair, and loose clothing away from rotating propellers. Always ensure propeller guards are installed for added safety.
- **Supervision:** Children should always be supervised by an adult when operating the drone.
- **Emergency Stop:** Familiarize yourself with the emergency stop function for immediate shutdown if needed.

3. Package Contents

Verify that all items are present in your package:



Image: A visual representation of the RELIDOL X62 Drone and its included accessories, such as the remote control, USB charging cables, spare propellers, drone batteries, protective frames, screwdriver, carrying bag, and user manual.

- Drone x 1
- Remote Control x 1
- USB Charging Cable x 2
- Spare Propellers x 4
- Drone Battery x 2
- Protective Frame x 4
- Screwdriver x 1
- Carrying Bag x 1
- User Manual x 1

4. Product Overview

The RELIDOL X62 is a compact and foldable drone designed for ease of use and portability. It features a high-definition camera for capturing aerial photos and videos.



Image: The RELIDOL X62 drone in its unfolded state, showcasing its sleek design, camera, and included accessories like the remote control and batteries.



Image: A detailed view of the drone's 1080P HD camera, highlighting its 80-degree adjustable lens and FPV real-time transmission capability.



Image: The RELIDOL X62 drone in its compact, folded state, demonstrating its portability as it fits into a pant pocket.

5. Setup

5.1 Charging Batteries

The drone comes with two rechargeable Lithium Ion batteries, and the remote control has a built-in battery. Use the provided USB charging cables to charge them. A full charge typically takes approximately 60-90 minutes for drone batteries.



Image: Two drone batteries connected to USB charging cables, illustrating the charging process.

5.2 Installing Drone Batteries

Insert the charged drone battery into the battery compartment on the rear of the drone until it clicks into place. Ensure it is securely fastened.

5.3 Propeller Installation

The drone comes with pre-installed propellers. If replacement is needed, match the propellers (A and B) to the corresponding motor arms as indicated on the drone. Use the provided screwdriver to secure them.

5.4 Controller Overview

Familiarize yourself with the remote control layout. The controller features dual joysticks, dedicated buttons for various functions, and a phone holder for FPV viewing.

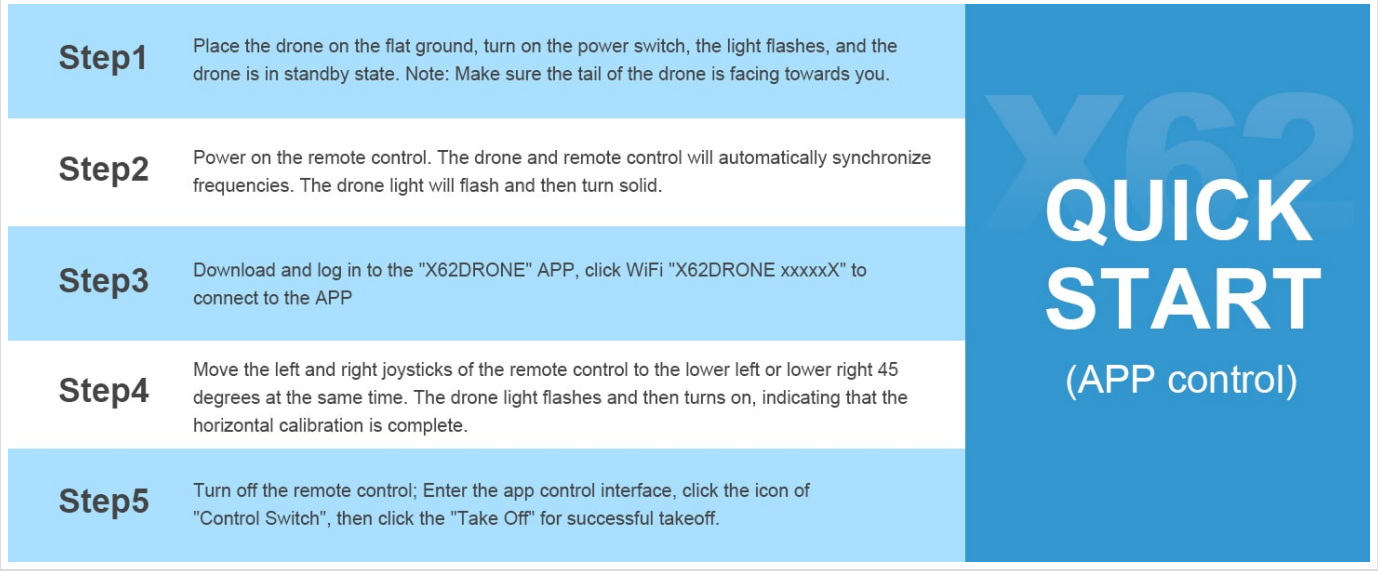


Image: A detailed diagram showing the various buttons and their functions on the drone's remote control, including joysticks, photo/video buttons, speed switch, and take-off/landing controls.

5.5 App Installation & Connection

Download the "X62DRONE" app from your device's app store. Once installed, turn on the drone and connect your smartphone to the drone's Wi-Fi network (named "X62DRONE xxxxxx"). Open the app to access FPV view and advanced control features.

6. Operating Instructions

6.1 Quick Start (Remote Control)

1. Place the drone on a flat, level surface. Turn on the drone's power switch; the lights will flash, indicating standby mode. Ensure the drone's tail is facing towards you.

2. Power on the remote control. The drone and remote control will automatically synchronize frequencies. The drone lights will flash and then turn solid.
3. Move both the left and right control sticks of the remote controller simultaneously to the lower left or lower right 45-degree angle. The drone lights will flash and then turn solid, indicating horizontal calibration is complete.
4. Press the one-key takeoff button on the remote control for successful takeoff.

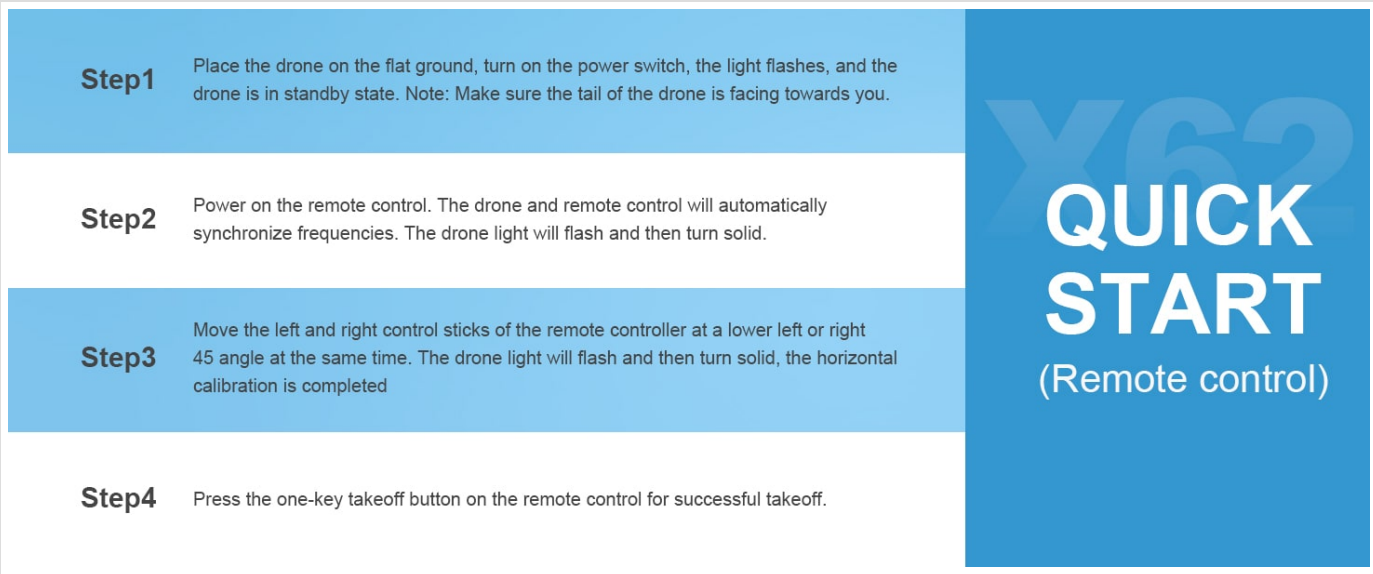


Image: Step-by-step visual guide for quick starting the drone using the remote control, showing drone placement, power-on, calibration, and one-key takeoff.

6.2 Quick Start (App Control)

1. Place the drone on a flat, level surface. Turn on the drone's power switch; the lights will flash, indicating standby mode. Ensure the drone's tail is facing towards you.
2. Power on the remote control. The drone and remote control will automatically synchronize frequencies. The drone lights will flash and then turn solid.
3. Download and log in to the "X62DRONE" APP, click Wi-Fi "X62DRONE xxxxxx" to connect to the APP.
4. Move the left and right joysticks of the remote control to the lower left or lower right 45 degrees at the same time. The drone light flashes and then turns on, indicating that the horizontal calibration is complete.
5. Turn off the remote control; Enter the app control interface, click the icon of "Control Switch", then click the "Take Off" for successful takeoff.

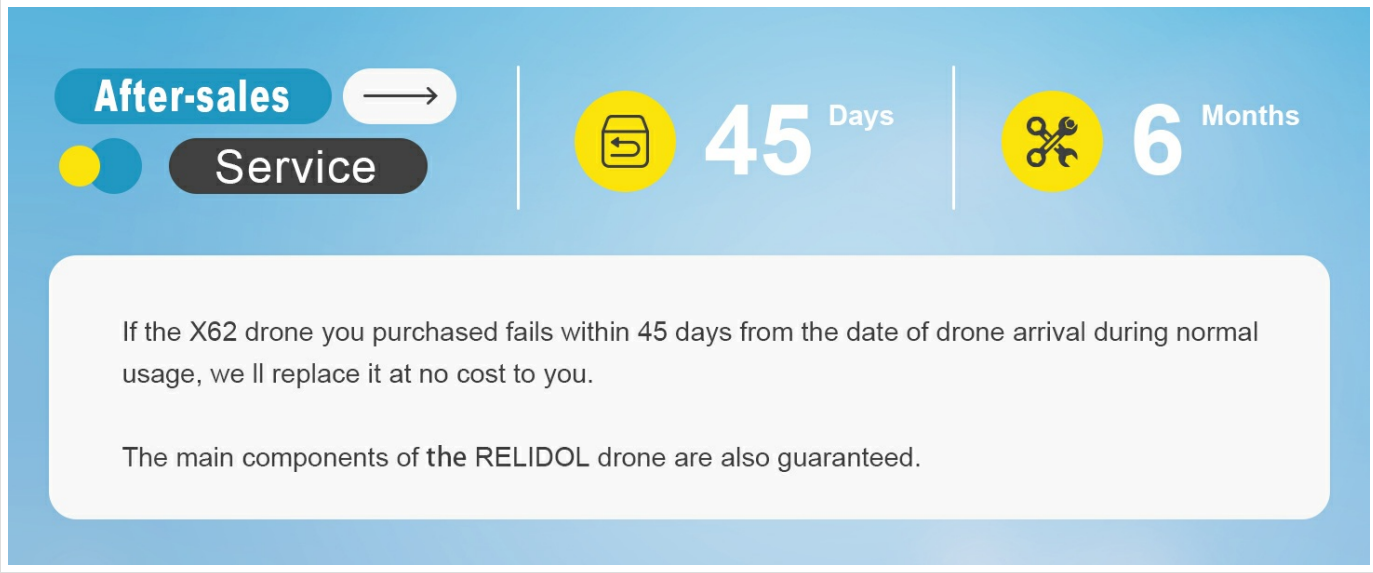


Image: Step-by-step visual guide for quick starting the drone using the mobile application, detailing drone placement, power-on, app connection, calibration, and app-based takeoff.

6.3 Basic Flight Controls

- **One Key Start/Landing:** Press the dedicated button on the remote or in the app to automatically take off or land.
- **Altitude Hold:** The upgraded hover system ensures stable flight at a certain height, making it easier to control.
- **Headless Mode:** In this mode, the drone's orientation is relative to the pilot, simplifying control regardless of the drone's front direction.
- **Speed Adjustment:** The drone offers 3 speed gears (low, medium, high) to suit different skill levels and flying conditions.

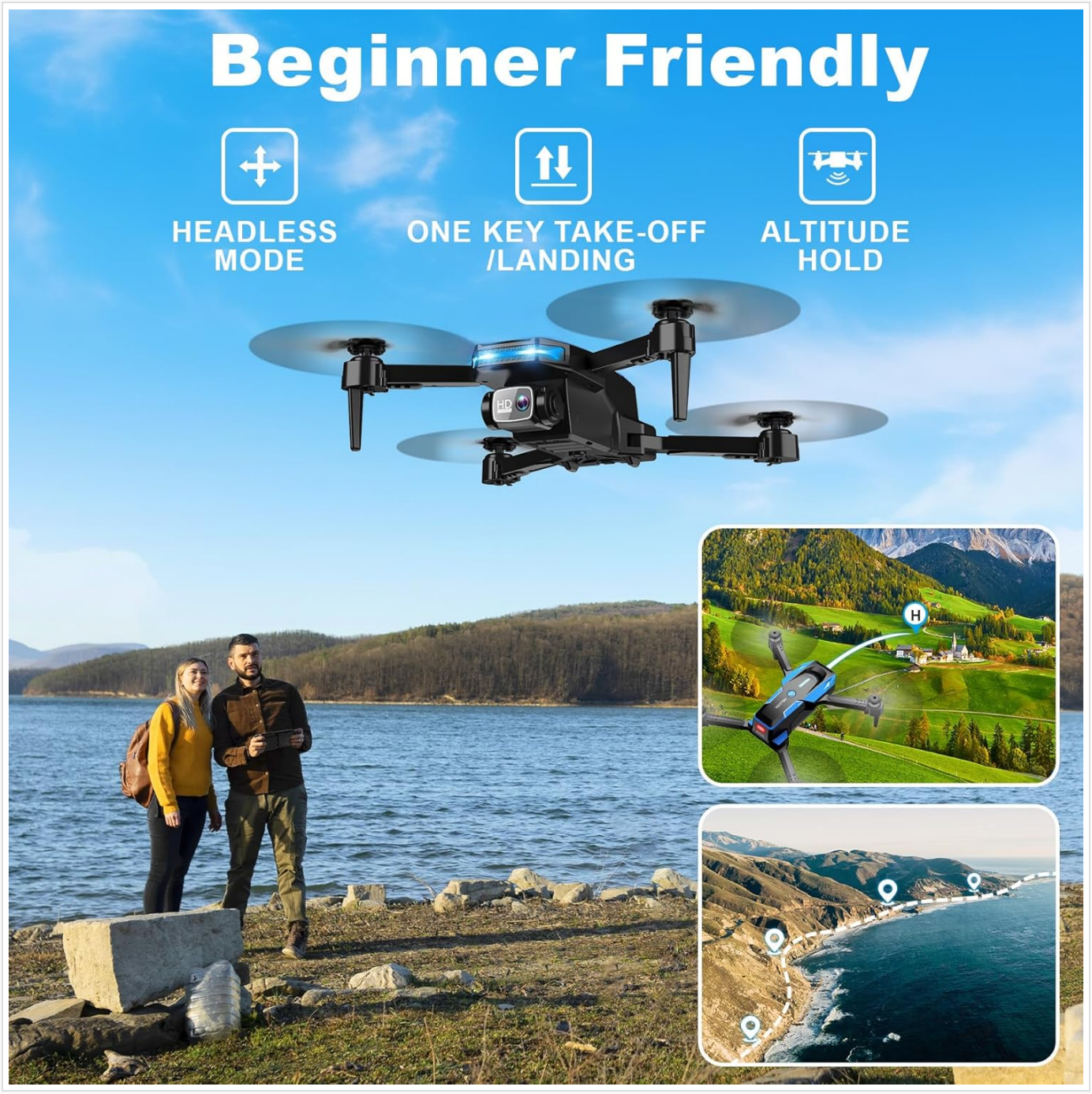


Image: The drone flying in an open landscape, illustrating its beginner-friendly features such as Headless Mode, One Key Take-off/Landing, and Altitude Hold.



Image: Three drones depicted in motion, demonstrating the 3-gear speed settings, allowing progression from easy to challenging flights.

6.4 Advanced Features

- **3D Flip:** Execute impressive 360-degree flips with a single button press.
- **Gesture Control:** Perform specific hand gestures in front of the camera to automatically take photos or record videos.



Image: A group of people on a beach making hand gestures, with blue squares indicating the drone's recognition of these gestures for taking photos or videos.

- **Voice Control:** Command the drone with simple voice instructions like "Take off," "Fly," "Forward," "Photo," or "Record."

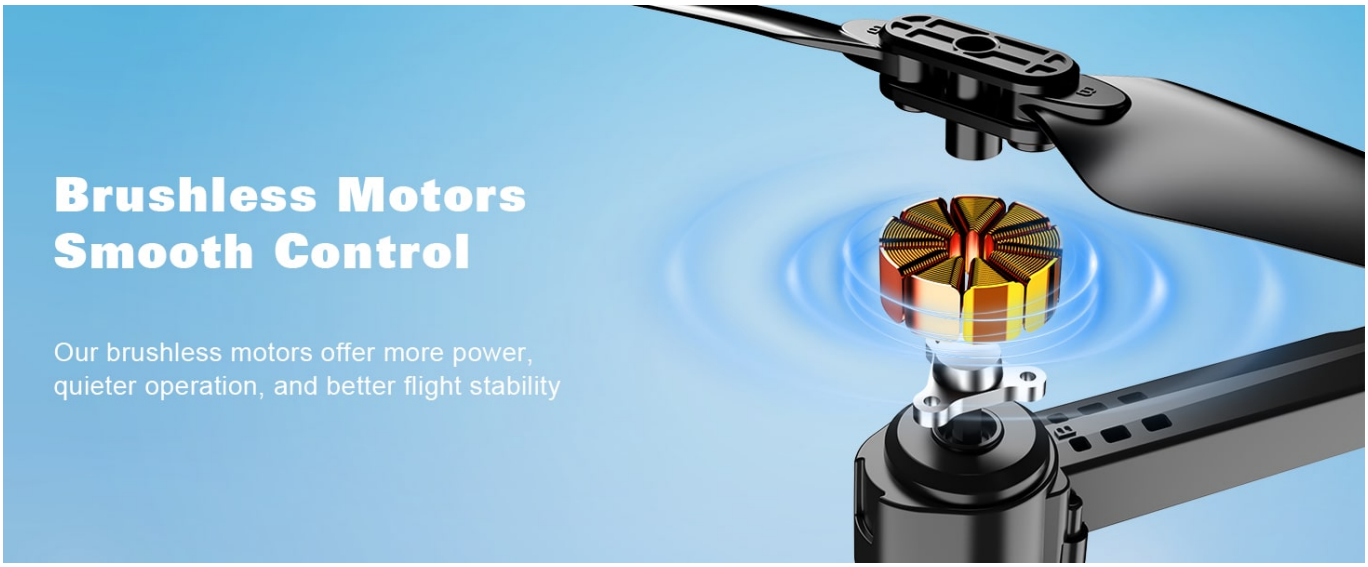


Image: People on a beach interacting with the drone using voice commands, with speech bubbles indicating commands like "Photo," "Right," "Forward," and "Left."

- **Waypoint Fly (Tap Fly):** Draw a flight path on your smartphone screen, and the drone will automatically follow the designated route.



Image: A smartphone displaying a map with a drawn flight path, indicating the drone's ability to follow pre-set waypoints for automated flight.

- **Gravity Control:** Control the drone's movement by tilting your smartphone, utilizing its built-in gravity sensor.



Image: A person holding a smartphone and tilting it, with arrows indicating how the drone responds to the tilt for gravity-based control.

- **Circle Fly & Rotation Fly:** Engage these modes for automated circular or rotational flight patterns.
- **Emergency Stop:** A critical safety feature that immediately stops the drone's motors in an emergency.

7. Maintenance

- **Cleaning:** Regularly clean the drone's body and propellers with a soft, dry cloth. Avoid using liquids or harsh chemicals.
- **Propellers:** Inspect propellers for any damage (cracks, bends) before each flight. Replace damaged propellers immediately using the spare parts provided.
- **Storage:** Store the drone and its accessories in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods.

8. Troubleshooting

Problem	Possible Cause	Solution
Drone does not respond to remote.	Low battery on drone or remote; Not paired correctly.	Charge batteries; Re-pair drone and remote as per Quick Start guide.
Unstable flight/Drifting.	Improper calibration; Damaged propellers; Wind interference.	Perform horizontal calibration; Replace damaged propellers; Fly in calm conditions.
Short flight time.	Battery not fully charged; Old battery.	Ensure batteries are fully charged; Consider replacing old batteries.
App connection issues.	Incorrect Wi-Fi connection; App not updated.	Ensure connected to drone's Wi-Fi; Restart app and drone; Update app.
Camera not recording/taking photos.	SD card full or missing; App error.	Check SD card (if applicable); Ensure sufficient storage on phone; Restart app.

9. Specifications

Feature	Detail
Brand	RELIDOL
Model Name	X62
Special Feature	1080P HD Adjustable Angle Camera, Gesture Selfie, Waypoint Fly, 360° Flips, Voice Control, Circle Fly, Rotation Fly, Longer Flight Time with 2 Rechargeable Batteries
Age Range (Description)	Kid, Adult
Color	Black&Blue
Video Capture Resolution	1080p
Connectivity Technology	Wi-Fi
Included Components	Propeller, Remote Control, Battery, Camera
Skill Level	Beginner
Item Weight	4.06 Ounces
Battery Capacity	1000 Amp Hours
Video Capture Format	MP4
Remote Control Technology	Wi-Fi
Control Type	Remote Control, App Control

Feature	Detail
Media Type	SD
Material	Plastic
Wireless Communication Technology	Wi-Fi
Battery Cell Composition	Lithium Ion
Supported Image Format	JPEG
Video Output Resolution	1920x1080 Pixels
Remote Control Included?	Yes
Optical Sensor Technology	CMOS
Rechargeable Battery Included	Yes (2 for drone, 1 built-in for controller)
Product Dimensions	11.02"L x 10.24"W x 2.56"H (unfolded)
Manufacturer	Shantou Xintuo Intelligent Technology Co., Ltd
Manufacturer Part Number	X62
Date First Available	September 4, 2024

10. Warranty and Support

RELIDOL is committed to providing quality products and service.

- **45-Day Replacement:** If your X62 drone fails within 45 days from the date of arrival during normal usage, we will replace it at no cost to you.
- **6-Month Guarantee:** The main components of the RELIDOL drone are guaranteed for 6 months.



Image: A customer service representative wearing a headset, symbolizing friendly and sincere support.

If you have any questions or require assistance, please contact our support team:

Email: support@relidol.com

We aim to respond to all inquiries within 12 hours.

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Details

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