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› [SIMREX](#) /

› [SIMREX X300C Mini Drone User Manual](#)

SIMREX X300C

SIMREX X300C Mini Drone User Manual

Model: X300C

INTRODUCTION

Welcome to the SIMREX X300C Mini Drone user manual. This guide provides essential information for setting up, operating, and maintaining your drone. The X300C is a foldable mini drone equipped with a 720P HD FPV camera, designed for ease of use, making it perfect for beginners, kids, and adults. It features Optical Flow Positioning for stable hovering, one-key takeoff/landing, headless mode, 360° flips, and gravity sensing control for an engaging flight experience. Its compact, foldable design ensures portability.

WHAT'S IN THE Box

- SIMREX X300C Mini Drone
- Remote Control
- 2 x Modular Batteries
- Phone Holder
- Propellers (spare set included)
- Propeller Protective Covers (4 included)
- USB Type-C Charging Cable
- Screwdriver
- User Manual

SETUP

1. Unfolding the Drone

Gently unfold the drone arms until they lock into place. Ensure all four arms are fully extended before flight.



Figure 1: The SIMREX X300C Mini Drone in its unfolded state, alongside its accessories.

2. Installing Propeller Protective Covers

For added safety, especially for beginners or indoor flights, install the propeller guards. Align the guards with the drone's arms and gently push them into place until they click securely. These guards protect the propellers from collisions and enhance user safety.

3. Battery Installation and Charging

Insert a fully charged modular battery into the drone's battery compartment until it clicks. For the remote control, open the battery cover and insert 4 AAA batteries (not included), ensuring correct polarity.

To charge the drone's modular batteries, connect them to the USB Type-C charging cable and plug it into a USB power source (e.g., computer, USB adapter). The LED indicator on the cable will show charging status. A full charge provides up to 9 minutes of flight time per battery, with 2 batteries included for a total of 18 minutes.

20 MINUTES FLIGHT TIME

Two modular batteries support longer flight time

20Mins



Figure 2: The drone with its modular batteries, offering extended flight time.

OPERATING THE DRONE

1. Power On and Pairing

1. Place the drone on a flat, level surface.
2. Press and hold the power button on the drone until the LED lights flash.
3. Turn on the remote control. It will emit a beep, and the drone's lights will become solid, indicating successful pairing.

2. Basic Controls

The remote control features two joysticks and various buttons for different functions. Refer to the user manual for a detailed diagram of the remote control layout.



Figure 3: Remote control layout and functions.

3. One-Key Takeoff/Landing

After pairing, press the one-key takeoff button on the remote control to automatically launch the drone. Press the one-key landing button to initiate an automatic landing sequence.

4. Altitude Hold and Optical Flow Positioning

The drone features altitude hold and optical flow positioning technology, allowing it to hover stably at a fixed height. This makes it easier to control and ideal for capturing steady photos and videos.

HOVER STABLY

*Hover accurately in any position by the Optical Positioning
Friendly to beginners*



Figure 4: Optical Flow Positioning for stable hovering.

5. Headless Mode

Activate headless mode for simplified control. In this mode, the drone's orientation is relative to the remote control, eliminating the need to adjust its position based on its front or back.



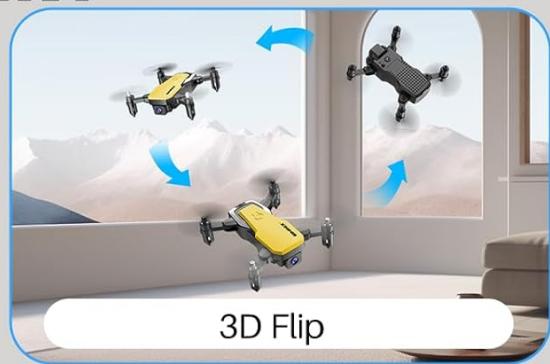
Figure 5: Headless Mode icon.

6. 360° Flips and Speed Modes

The drone can perform exciting 360° flips in various directions. It also offers multiple speed modes to suit different skill levels and flight environments.

MORE ENTERTAINMENT FUNCTIONS

**VR glasses are not included*



3D Flip



3 Speed Modes



Connect with VR Glasses

Figure 6: Fun gameplay and stunt options.

7. Gravity Control and FPV

Connect the drone to the "SIMREX Zoomy" mobile app via Wi-Fi to experience First Person View (FPV) and gravity sensing control, where you can steer the drone by tilting your smartphone.



Figure 7: Gravity Sensor control.

8. Official Product Videos

Video 1: Mini Drone for Kids Adult with 1080P FPV Camera. This video demonstrates the drone's features and ease of use.

Video 2: How to operate the H66 drone. This video provides a tutorial on operating the drone.

MAINTENANCE

1. Propeller Replacement

If a propeller is damaged, use the provided screwdriver to carefully remove the screw holding the propeller. Replace it with a new propeller from the spare set, ensuring the correct "A" or "B" type is used as indicated on the drone arms. Secure with the screw.

2. General Care

Keep the drone clean and dry. Avoid exposure to extreme temperatures or direct sunlight. Store the drone and its accessories in the carrying case when not in use.

TROUBLESHOOTING

- Drone not responding:** Ensure the drone and remote control are fully charged and properly paired. Re-pair if necessary.
- Unstable flight:** Perform horizontal calibration on a flat surface. Check for damaged propellers and replace if needed.
- Poor camera feed:** Ensure a stable Wi-Fi connection between your phone and the drone. Reduce interference from other Wi-Fi devices.
- Short flight time:** Ensure batteries are fully charged. Flight time can be affected by aggressive flying or strong winds.

SPECIFICATIONS

- Brand:** SIMREX
- Model Name:** X300C
- Special Features:** 360 Degree Flip, Anti-Fall, First Person View (FPV), Portable, Speed Adjustment, Altitude Hold, Headless Mode, Gravity Control, Optical Flow Positioning
- Color:** Yellow
- Video Capture Resolution:** 720p HD
- Connectivity Technology:** USB, Bluetooth, Wi-Fi
- Skill Level:** All (Beginner-friendly)
- Item Weight:** 0.018 ounces (approx. 0.5 grams)
- Battery Capacity:** 2.5 Amp Hours (Modular, 2 included)
- Flight Time:** Up to 18 minutes (with 2 batteries)
- Control Type:** App Control, Remote Control
- Material:** Plastic
- Product Dimensions:** 1.9" L x 4.5" W x 1.3" H
- Manufacturer Recommended Age:** 14 - 17 years

SAFETY GUIDELINES

- Always fly in open areas away from people, animals, and obstacles.
- Ensure propeller guards are installed, especially for indoor use.
- Do not fly in strong winds.
- Keep fingers and hair away from rotating propellers.
- Utilize the emergency stop function and low battery alarm for safe operation.
- Adult supervision is recommended for younger users.

WARRANTY AND SUPPORT

For warranty information, technical support, or spare parts, please refer to the contact details provided in the product packaging or visit the official SIMREX website. Each item has a unique code verified by Transparency before shipping.

Related Documents - X300C

	<p><u>Simrex X900 Mini Foldable Drone: User Manual & Flight Guide</u></p> <p>Comprehensive guide for the Simrex X900 Mini Foldable Drone, covering setup, safety instructions, flight operations, controller functions, and battery management for optimal flying.</p>
	<p><u>SIMREX 2799-GPS Drone Instruction Manual</u></p> <p>Comprehensive instruction manual for the SIMREX 2799-GPS drone, covering flight safety, controls, modes, calibration, and battery care. Learn how to operate your drone safely and effectively.</p>
	<p><u>SIMREX X500 User Manual: Drone Operation, Features, and Safety</u></p> <p>Comprehensive user manual for the SIMREX X500 drone, covering controller components, setup, flight controls, safety guidelines, troubleshooting, and product configuration. Learn how to operate your drone safely and effectively.</p>
	<p><u>Simrex GLB SNRDS II 4-Wire Operation and Technical Manual</u></p> <p>Comprehensive operation and technical manual for the Simrex GLB Synthesized Netlink Radio Data System (SNRDS II) 4-Wire Version. Covers installation, configuration, adjustments, and commands for qualified technicians.</p>
	<p><u>Shenzhen SIMREX Technology Co., Ltd. Letter of Authorization for Drone Models</u></p> <p>Letter of Authorization from Shenzhen SIMREX Technology Co., Ltd. authorizing LGAI Technological Center S.A. for matters concerning drone equipment, including FCC applications. Lists various drone model numbers.</p>