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## SIMREX X800

# SIMREX X800 Drone Instruction Manual

Model: X800

Brand: SIMREX

## 1. INTRODUCTION

The SIMREX X800 Mini Drone is a lightweight and portable quadcopter equipped with a 1080P camera. Designed for ease of use, it features altitude hold, optical flow positioning, one-key start/landing, headless mode, 3D flips, and three-speed adjustments, making it suitable for users of all skill levels. Its foldable design enhances portability, and RGB lights allow for night flying.



**DRONE WITH 1080P HD WIFI CAMERA**  
**90° Adjustable Lens**

1080P



Other



Figure 1: SIMREX X800 drone with 1080P HD WiFi camera and adjustable 90-degree lens.

## 2. WHAT'S IN THE BOX

Your SIMREX X800 Drone package includes the following components:

- SIMREX X800 Drone with 1080P Camera
- Remote Controller
- 2 x 1000mAh Modular Batteries
- Spare Propellers
- USB Charging Cable
- Phone Holder
- Propeller Guards
- Mini Screwdriver



Figure 2: SIMREX X800 drone and its included accessories.

### 3. SETUP

#### 3.1 Drone Assembly

1. Unfold the drone arms carefully until they click into place.
2. Attach the propeller guards by sliding them onto the drone's arms from the bottom until they snap securely.

#### 3.2 Battery Installation

- Insert a charged 1000mAh modular battery into the battery compartment at the rear of the drone until it clicks.
- The remote controller requires 3 AAA batteries (not included). Open the battery compartment on the back of the controller and insert the batteries, observing polarity.

#### 3.3 Phone Holder Attachment

Attach the phone holder to the top of the remote controller. This allows you to mount your smartphone for FPV (First

Person View) flying via the companion app.

### 3.4 App Connection

1. Download and install the "SIMREX Zumi" app on your smartphone.
2. Power on the drone.
3. Go to your phone's Wi-Fi settings and connect to the Wi-Fi network named "SIMREX X800".
4. Open the SIMREX Zumi app and tap "Start" to enter the real-time transmitting interface.

## 4. OPERATING INSTRUCTIONS

### 4.1 Power On and Pairing

1. Press the power button on the remote controller. The indicator light will flash.
2. Press the power button on the drone. The drone's lights will flash.
3. To pair, push the left joystick on the controller up and then down. The controller will beep, and the drone lights will become solid, indicating successful pairing.
4. To calibrate, push both joysticks on the controller to the bottom-left corners simultaneously. The drone lights will flash and then become solid, indicating calibration is complete.

### 4.2 Basic Flight Functions

- **One Key Start/Landing:** Press the dedicated one-key start/landing button on the controller for automatic takeoff or landing.
- **Altitude Hold:** The drone maintains a fixed altitude for stable hovering, assisting in capturing clear photos and videos.
- **Optical Flow Positioning:** Utilizes a bottom camera to accurately maintain position, especially beneficial for beginners.
- **Headless Mode:** Eliminates the need to adjust the drone's position before flight, as the drone's orientation is relative to the pilot.
- **3 Speed Modes:** Switch between low, medium, and high speeds using the speed button on the controller to match your flying skill level or environment.

## **ALTITUDE HOLD**

*Air flow at a fixed height/for more stable hovering, to help you get wonderful videos and photos.*



Figure 3: Altitude Hold and Optical Flow Positioning for stable flight.



## **HEADLESS MODE**

*Headless mode can help you adjust direction when the position of your drone deviates*

Figure 4: Headless Mode for simplified drone control.

### 4.3 Advanced Flight Functions

- **3D Flip:** Press the flip button on the controller to perform a 360-degree flip. Ensure the drone is at least 3 meters (approximately 10 feet) above the ground before attempting.
- **Waypoint Fly:** In the app, draw a desired flight path on your screen, and the drone will automatically follow it.
- **Gravity Sensing:** Control the drone's flight motion by tilting your mobile phone, utilizing its built-in gravity sensor.



Figure 5: Waypoint Flight, 360-degree Flip, and Three Speed Modes.

## 5. MAINTENANCE

- **Propeller Replacement:** If propellers are damaged, use the provided mini screwdriver to replace them with spare propellers. Ensure correct orientation.
- **Cleaning:** Regularly clean the drone body and camera lens with a soft, dry cloth. Avoid using liquids.
- **Battery Care:** Charge batteries fully before each use. Store batteries in a cool, dry place when not in use. Do not overcharge or over-discharge.

## 6. TROUBLESHOOTING

- **Drone not responding:** Ensure both the drone and controller are powered on and successfully paired. Check battery levels.
- **Unstable flight:** Perform a calibration as described in section 4.1. Ensure propellers are not damaged and are installed correctly.
- **No camera feed in app:** Verify that your phone is connected to the drone's Wi-Fi network and the app is open.
- **Outdoor flight:** This drone is recommended for indoor use. If flying outdoors, please operate in windless conditions to ensure stability and control.

## 7. SPECIFICATIONS

Feature	Detail
Brand	SIMREX
Model Name	X800
Color	White
Video Capture Resolution	1080p
Connectivity Technology	USB (for charging)
Remote Control Technology	Bluetooth
Skill Level	All
Item Weight	0.21 Pounds (approx. 96g)
Battery Capacity	1000 mAh (per battery)
Flight Time	Up to 30 minutes (with 2 batteries)
Product Dimensions	1.9"L x 4.5"W x 1.3"H (folded)
Material	Plastic

## 8. SUPPORT

For any questions or assistance with your SIMREX X800 Drone, please contact our support team. We offer 24/7 service to ensure a confident flying experience.

Contact information may be found on the product packaging or the official SIMREX website.



*Figure 6: SIMREX Customer Support.*