

Waillynice XT606

Waillynice XT606 Foldable Drone User Manual

Model: XT606 | Brand: Waillynice

1. INTRODUCTION

This user manual provides essential information for the safe operation and maintenance of your Waillynice XT606 Foldable Drone. Please read this manual thoroughly before operating the drone to ensure proper usage and to prevent damage or injury. Keep this manual for future reference.

2. SAFETY GUIDELINES

Always prioritize safety during drone operation. Failure to follow these guidelines may result in property damage, injury, or legal consequences.

- **Pre-Flight Check:** Ensure the drone, remote control, and batteries are in good working condition before each flight.
- **Environmental Conditions:** Fly in open areas, away from people, animals, buildings, and obstacles. Avoid flying in strong winds, rain, or snow.
- **Line of Sight:** Always maintain visual line of sight with your drone.
- **Battery Safety:** Use only approved chargers and batteries. Do not overcharge or puncture batteries.
- **Respect Privacy:** Be mindful of privacy laws when using the camera.
- **Age Recommendation:** This product is intended for adult users.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x XT606 RC Quadcopter
- 1 x Remote Control
- 1 x 3.7V 1200mAh Lithium Battery
- 4 x Spare Propellers
- 1 x USB Charging Cable
- 1 x Screwdriver
- 2 x Manuals (this document and potentially a quick start guide)

4. PRODUCT OVERVIEW

The Wailynice XT606 is a foldable RC drone equipped with a 6K HD camera, optical flow positioning, and obstacle avoidance capabilities. Its brushless motors provide stable and powerful flight.



Image: The Wailynice XT606 drone in its folded state alongside its remote control with a smartphone mounted.

XT606 DRONE

Light and Shadow Flagship Intelligent
Obstacle Avoidance



**Brushless power,
Optical flow visual
hovering**



Image: The XT606 drone unfolded, highlighting its brushless power and optical flow visual hovering capabilities.



Image: A user holding the remote control with a smartphone displaying the drone's camera feed, while the XT606 drone is in flight.

Key Features:

- **6K HD Dual Camera:** Front wide-angle camera and bottom optical flow lens for versatile shooting angles.
- **Obstacle Avoidance:** Omnidirectional module for enhanced flight safety.
- **Optical Flow Positioning:** Provides stable hovering and precise flight control.
- **Brushless Motors:** Offers stronger power, longer lifespan, and improved wind resistance.
- **Foldable Design:** Compact and portable for easy transport.
- **App Control:** Features like custom route drawing, gesture photography/recording, and headless mode.

5. SETUP

5.1 Charging the Battery

1. Connect the USB charging cable to the drone battery.

2. Plug the USB end into a 5V USB power adapter (not included).
3. Charging time is approximately 1.5 hours. The battery indicator will show charging status.

5.2 Installing the Drone Battery

1. Ensure the drone is powered off.
2. Insert the fully charged 3.7V 1200mAh lithium battery into the battery compartment on the drone.
3. Secure the battery cover.

5.3 Remote Control Setup

1. Install 3 AA batteries (not included) into the remote control's battery compartment.
2. Extend the phone holder on the remote control and securely mount your smartphone.

5.4 Propeller Installation

If propellers need replacement, ensure correct orientation. Match the propeller type (A or B) to the corresponding motor arm as indicated on the drone.

5.5 App Installation

Download the official Waillynice drone application from your smartphone's app store (iOS or Android). Search for 'Waillynice Drone' or scan the QR code provided in the quick start guide.

6. OPERATING INSTRUCTIONS

6.1 Pre-Flight Checklist

- Drone battery fully charged and installed.
- Remote control batteries installed.
- Propellers correctly installed and free from damage.
- Flight area clear of obstacles and people.
- App installed and connected to the drone's Wi-Fi.

6.2 Pairing the Drone and Remote Control

1. Power on the drone. The indicator lights will flash.
2. Power on the remote control.
3. Push the left joystick up then down. The drone lights will become solid, indicating successful pairing.
4. Connect your smartphone to the drone's Wi-Fi network (usually named 'Waillynice-XXXX').

6.3 Takeoff and Landing

1. **One-Key Takeoff:** Press the one-key takeoff button on the remote control or in the app. The drone will automatically ascend to a stable hovering height.
2. **Manual Takeoff:** Push both joysticks down and outwards to start the motors. Then, slowly push the left joystick up to ascend.
3. **One-Key Landing:** Press the one-key landing button. The drone will automatically descend and land.
4. **Manual Landing:** Slowly pull the left joystick down to descend. Once landed, push both joysticks down and inwards to stop the motors.

Your browser does not support the video tag.

Video: This video demonstrates the basic operation and functions of the Waillynice XT606 drone, including one-click takeoff and landing, flight speed ranges, and camera features.

6.4 Flight Controls

- **Left Joystick:** Up/Down (Altitude), Left/Right (Yaw/Rotation).
- **Right Joystick:** Up/Down (Forward/Backward), Left/Right (Sideways Flight).
- **Headless Mode:** Activates a mode where the drone's orientation is irrelevant to control inputs, making it easier for beginners.
- **Trajectory Flight:** Draw a desired flight path on the app screen, and the drone will follow it automatically.
- **360° Roll:** Press the 360° roll button on the remote control and move the right joystick in the desired direction for an aerial flip.

6.5 Camera Operation

The XT606 features a dual-camera system for versatile aerial photography and videography.



Image: Close-up of the XT606 drone's dual camera system, highlighting the HD lens with fixed focus shooting capabilities and adjustable angles.

- **Photo/Video:** Use the dedicated buttons on the remote or in the app to capture photos or start/stop video recording.
- **Camera Angle Adjustment:** The camera lens can be adjusted from -45° to 90° via the remote control or app.

- **Vertical Shooting Switch:** Switch between horizontal and vertical shooting modes directly from the app interface.
- **Gesture Control:** Perform specific hand gestures (within 1-5 meters) to trigger photo capture or video recording. Refer to the app for specific gestures.

6.6 Obstacle Avoidance

The drone is equipped with an omnidirectional obstacle avoidance module. When activated, the drone will detect and automatically avoid obstacles, enhancing flight safety.



Image: The XT606 drone demonstrating its intelligent obstacle avoidance feature, with blue rings indicating the detection field.

6.7 Optical Flow Positioning

The optical flow positioning system helps the drone maintain a stable hover, especially indoors or in areas with good ground texture, without relying solely on GPS.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Avoid using liquids or solvents.
- **Storage:** Store the drone in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries from the remote control if storing for extended periods.

- **Battery Care:** Do not fully discharge the battery. Charge it to about 50-60% for long-term storage.
- **Propeller Inspection:** Regularly check propellers for cracks or damage. Replace damaged propellers immediately.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on	Battery not charged or incorrectly installed.	Charge battery fully and ensure it is correctly inserted.
Remote control does not respond	Remote control batteries low or incorrectly installed. Not paired.	Replace batteries. Re-pair the remote control with the drone.
Drone drifts during flight	Not calibrated. Strong wind interference.	Perform gyroscope calibration. Fly in calmer conditions.
Poor image/video quality	Weak Wi-Fi signal. Dirty camera lens.	Ensure strong Wi-Fi connection. Clean the camera lens.
Obstacle avoidance not working	Feature not activated. Sensor blocked.	Ensure obstacle avoidance is enabled in the app. Check sensors for obstructions.

9. SPECIFICATIONS

Feature	Detail
Model Name	XT606
Brand	Waillynice
Motor	1503 Brushless Motor (4000/KV)
Camera	6K HD (actual 720P) / 4K (actual 480P) Dual Camera, EIS Anti-shake
Camera Angle	Adjustable -45° to 90°
Battery	3.7V 1200mAh Lithium Battery
Flight Time	Approximately 18 minutes
Charging Time	Approximately 1.5 hours
Control Distance	100M (without interference/obstruction)
Wi-Fi Image Transmission Distance	30M (without interference/obstruction)
Takeoff Weight	190 grams
Folded Dimensions	14.2 x 7 x 9 CM
Unfolded Dimensions	30 x 27 x 9 CM
Connectivity	2.4G Wi-Fi
Skill Level	Beginner

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the product packaging or contact Waillynice customer service directly. Keep your purchase receipt as proof of purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question