

XT606

Generic XT606 4K Camera Drone User Manual

Model: XT606

1. IMPORTANT SAFETY GUIDELINES

Before operating the XT606 Drone, please read and understand all safety instructions. Failure to follow these guidelines may result in injury, damage to the drone, or property damage.

- **Flight Environment:** Fly in open areas, away from people, animals, buildings, and power lines. Avoid flying in strong winds or adverse weather conditions.
- **Battery Safety:** Use only the provided batteries and charger. Do not overcharge or puncture batteries. Discontinue use if batteries show signs of damage or swelling.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers. Ensure propellers are correctly installed before each flight.
- **Operator Responsibility:** The operator is responsible for safe operation and ensuring local regulations are followed. Maintain visual line of sight with the drone at all times.
- **Age Recommendation:** This product is recommended for intermediate to advanced skill levels. Not suitable for children without adult supervision.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- XT606 Drone
- Remote Control
- 2 x 3.7V/1200mAh Lithium Batteries (for drone)
- USB Charging Cable
- Spare Propellers
- Screwdriver
- User Manual

3. COMPONENT IDENTIFICATION

3.1 Drone Overview



Image: The XT606 Drone in flight, showcasing its design and LED lights, with a user operating the remote control in the foreground. This image illustrates the drone's general appearance and operational context.

- **Propellers:** Four rotating blades for lift and propulsion.
- **Motors:** Brushless motors providing stable and powerful flight.
- **Camera:** 4K dual-lens camera for high-definition video and photos.
- **Battery Compartment:** Located at the rear for the drone's lithium battery.
- **LED Indicators:** Lights on the arms indicating status and direction.

3.2 Remote Control Overview

TRANSMISSÃO DE IMAGEM HD *MAX* DRONE EM TEMPO REAL

TRANSMISSÃO CLARA SEM DEMORA, ASSISTA A IMAGENS AÉREAS EM TEMPO REAL ATRAVÉS DO COMANDO, O SINAL É ESTÁVEL E A TRANSMISSÃO É SUAVE.



Image: A remote control with a smartphone attached, showing a live feed from the drone's camera. This highlights the real-time HD transmission feature and the controller's design.

- **Control Sticks:** Left stick for throttle/yaw, right stick for pitch/roll.
- **Smartphone Holder:** For mounting your device to view FPV feed.
- **Function Buttons:** Dedicated buttons for take-off/landing, 360° roll, photo/video, and speed modes.
- **Power Button:** To turn the remote control on/off.

4. SETUP

4.1 Battery Installation and Charging

1. Drone Battery:

BATERIA DE LONGA DURAÇÃO INTERFAÇE DE BATERIA TIPO C

BATERIA MODULAR GRANDE, DURADOURA E DURÁVEL.
A INTERFACE TYPE-C É ADEQUADA PARA VÁRIOS DISPOSITIVOS



Image: A modular drone battery being inserted into the drone's rear compartment, illustrating the Type-C charging interface. This shows how to install and charge the drone's main power source.

- Insert the 3.7V/1200mAh lithium battery into the drone's battery compartment until it clicks into place.
- To charge, remove the battery and connect it to the USB charging cable via its Type-C port. Connect the USB cable to a 5V/2A USB adapter (not included).
- Charging time is approximately 90 minutes per battery. The indicator light on the battery will change when fully charged.

2. Remote Control Batteries:

- Open the battery cover on the back of the remote control.
- Insert 3 x AAA batteries (not included) according to the polarity markings.
- Close the battery cover.

4.2 Propeller Installation

The XT606 drone comes with pre-installed propellers. If replacement is needed:

- Ensure the drone is powered off.
- Carefully remove the damaged propeller by gently pulling it upwards.

- Match the new propeller to the correct motor arm (A and B propellers must be installed on corresponding motor arms).
- Press the new propeller firmly onto the motor shaft until it is secure.

4.3 App Installation and Connection

1. Download the companion app by scanning the QR code in the manual or searching for 'MAX DRONE' in your device's app store.
2. Turn on the drone and the remote control.
3. On your smartphone, connect to the drone's Wi-Fi network (usually named 'MAX DRONE-XXXXXX').
4. Open the app. The live video feed from the drone's camera should appear, indicating a successful connection.

5. OPERATING INSTRUCTIONS

5.1 Pre-Flight Checklist

- Ensure drone and remote control batteries are fully charged.
- Check that propellers are securely attached and undamaged.
- Confirm a stable Wi-Fi connection between the drone and your smartphone.
- Choose an open, clear flight area, free from obstacles and people.
- Calibrate the drone as per app instructions (if required).

5.2 Take-off and Landing

- **Automatic Take-off:** Press the one-key take-off button on the remote control or in the app. The drone will automatically ascend to a stable hovering height.
- **Manual Take-off:** Push both control sticks down and outwards simultaneously to unlock the motors. Then, slowly push the left stick (throttle) upwards to ascend.
- **Automatic Landing:** Press the one-key landing button. The drone will slowly descend and land.
- **Manual Landing:** Slowly pull the left stick (throttle) downwards until the drone lands. Once landed, push both control sticks down and inwards to stop the motors.

5.3 Basic Flight Controls

- **Left Stick (Throttle/Yaw):**
 - Up/Down: Ascend/Descend
 - Left/Right: Rotate Left/Right (Yaw)
- **Right Stick (Pitch/Roll):**
 - Up/Down: Fly Forward/Backward (Pitch)
 - Left/Right: Fly Left/Right (Roll)

5.4 Advanced Flight Features



Image: An infographic detailing the XT606 drone's advanced features, including dual lens switching, intelligent obstacle avoidance, optical flow hovering, and 360-degree acrobatic rolling. This provides a visual summary of key functionalities.

- **Optical Flow Hovering:** The drone uses a downward-facing camera to maintain a stable position indoors or in areas with clear ground patterns, enhancing flight stability.
- **360° Roll:** Press the 360° roll button on the remote control, then push the right control stick in any direction to perform an acrobatic flip. Ensure sufficient altitude before attempting.
- **Dual Lens Switching:** The drone features two cameras. Use the dedicated button on the remote or in the app to switch between the main 4K camera and the secondary lens for different perspectives.
- **Headless Mode:** Activates a mode where the drone's orientation is irrelevant; it will always move relative to the pilot's position.
- **One-Key Return:** Press the one-key return button, and the drone will attempt to fly back towards its take-off point. This feature relies on GPS (if available) or compass calibration.

5.5 Camera Operation (4K, FPV, HD Transmission)

CRIE COM MAIS LIBERDADE

TIRO HORIZONTAL/VERTICAL, TIRO DE CABEÇA PARA CIMA, TIRO DE CIMA PARA BAIXO



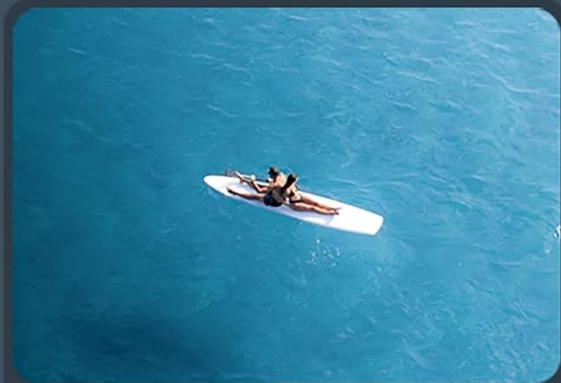
FOTOGRAFIA DE PAISAGEM



TIRO VERTICAL



TIRO FRONTAL 0-30



FOTOGRAFAR DE CIMA DE 30-90°

Image: A collage showing various photographic possibilities with the drone, including landscape, vertical shots, frontal views (0-30 degrees), and top-down views (30-90 degrees). This demonstrates the versatility of the drone's camera.

- **Real-Time HD Transmission (FPV):** Once connected via Wi-Fi, the drone's camera feed is streamed directly to your smartphone, allowing for First Person View flying and precise framing of shots.
- **Photo Capture:** Press the photo button on the remote control or in the app to take a 4K resolution still image.
- **Video Recording:** Press the video button to start recording 4K video. Press again to stop. Videos and photos are saved to your smartphone or an inserted SD card (if applicable).
- **Adjustable Lens:** The drone's camera lens can be adjusted electronically or manually to change the shooting angle.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Do not use harsh chemicals or solvents.
- **Propeller Replacement:** Regularly inspect propellers for cracks or damage. Replace any damaged propellers immediately using the provided screwdriver and spare parts.

- **Battery Care:** Store batteries in a cool, dry place. Do not fully discharge batteries for extended periods. Charge them to about 50% for long-term storage.
- **Storage:** When not in use, store the drone in a cool, dry place, away from direct sunlight and extreme temperatures. The foldable design makes it compact for storage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on	Battery not charged or incorrectly installed.	Ensure battery is fully charged and correctly inserted.
No FPV feed on smartphone	Wi-Fi not connected or app not open.	Connect to the drone's Wi-Fi network and open the app. Ensure drone is powered on.
Drone drifts during flight	Improper calibration or strong wind.	Perform gyroscope calibration. Fly in calmer conditions.
Remote control not responding	Remote control batteries low or not paired.	Replace remote control batteries. Re-pair the remote with the drone (refer to pairing instructions in the app).
Short flight time	Battery not fully charged or aged battery.	Ensure batteries are fully charged. Consider replacing old batteries.

8. SPECIFICATIONS

DOBRÁVEL E FÁCIL DE TRANSPORTAR

FILMAGEM EM ALTA DEFINIÇÃO CLARO E FOCADO

90MINUTOS

TEMPO DE CARREGAMENTO
APROXIMADAMENTE:

100METROS

DISTÂNCIA DE VOO
APROXIMADAMENTE:



Image: The XT606 drone in its folded, portable state, highlighting its compact design. Text overlays indicate a charging time of approximately 90 minutes and a flight distance of about 100 meters.

- **Model:** XT606
- **Brand:** Generic
- **Material:** Plastic
- **Item Weight:** 130 Grams
- **Item Dimensions (L x W x H):** 8.5 x 22 x 6.5 cm
- **Video Capture Resolution:** 4K
- **Connectivity Technology:** Wi-Fi
- **Special Features:** First Person View (FPV), Optical Flow Hovering, Dual Lens Switching, 360° Roll
- **Drone Battery:** 3.7V/1800mAh Lithium-Ion (2 included)
- **Flight Time:** Approximately 18 minutes per battery
- **Charging Time:** Approximately 90 minutes per battery
- **Control Distance:** Approximately 100 meters

- **Motor Type:** Brushless
- **Skill Level:** Intermediate to Advanced

9. WARRANTY AND SUPPORT

This Generic XT606 Drone comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to your purchase documentation for specific warranty terms and duration.

For technical support, troubleshooting assistance, or warranty claims, please contact the seller or manufacturer through the platform where the product was purchased. Provide your order number and a detailed description of the issue for prompt service.