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> [sea jump](#) /

> sea jump Remote Control Drone X183 6-Axis Gyro dual-GPS Headless Quadcopter User Manual

## sea jump X183

# User Manual

## SEA JUMP REMOTE CONTROL DRONE X183

Model: X183 | Brand: sea jump

### 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation of your sea jump Remote Control Drone X183. Please read it thoroughly before operating the drone and retain it for future reference. The X183 is a 6-axis gyro quadcopter featuring dual-GPS for enhanced stability and intelligent functions.



Figure 1.1: The sea jump X183 Remote Control Drone, showcasing its design with propeller guards from a front-left

perspective.

## 2. PACKAGE CONTENTS

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Verify that all items listed below are present in your package:

- 1 x X183 Quadcopter
- 1 x USB Charger
- 1 x Battery
- 1 x Remote Controller
- 1 x User Manual (This document)
- 2 x Landing Gear
- 4 x Propeller
- 4 x Protection Shield



Figure 2.1: The sea jump X183 Drone, its remote controller, and the product packaging, illustrating the main components included.

## 3. SAFETY PRECAUTIONS

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Adhering to these safety guidelines is crucial for preventing injury, damage, and ensuring a positive flight experience.

- **Flight Environment:** Operate the drone in open areas, away from people, animals, buildings, and power lines. Avoid flying in strong winds or adverse weather conditions.
- **Line of Sight:** Always maintain visual line of sight with the drone during flight.
- **Battery Safety:** Use only the provided charger and battery. Do not overcharge or puncture the battery. Discontinue use if the battery appears damaged or swollen.
- **Propeller Safety:** Keep fingers, hair, and loose clothing away from rotating propellers. Ensure

propellers are securely attached before each flight.

- **Age Recommendation:** This product is recommended for adult users.
- **Legal Compliance:** Be aware of and comply with local regulations regarding drone operation.

## 4. SETUP

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### 4.1. Charging the Battery

1. Connect the drone battery to the provided USB charger.
2. Plug the USB charger into a suitable USB power source (e.g., computer USB port, USB wall adapter).
3. Allow the battery to charge fully. The indicator light on the charger will typically change color or turn off when charging is complete.

### 4.2. Installing Landing Gear

Attach the two pieces of landing gear to the designated slots on the underside of the quadcopter. Ensure they click securely into place.



Figure 4.2: Bottom view of the sea jump X183 Drone, highlighting the installed landing gear and the central compartment.

### 4.3. Installing Propellers and Protection Shields

1. Carefully attach the propellers to their respective motor shafts. Ensure correct orientation (usually marked A and B).
2. Mount the protection shields around each propeller. These shields help prevent damage during minor collisions.



Figure 4.3: Top view of the sea jump X183 Drone, showing the installed propellers and protection shields, ready for flight.

#### 4.4. Remote Controller Setup

Insert the required batteries (not included) into the remote controller. Refer to the battery compartment for correct polarity.

#### 4.5. Pairing Drone and Remote

1. Place the drone on a flat, level surface.
2. Turn on the drone's power switch. The indicator lights will flash.
3. Turn on the remote controller.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone's lights will stop flashing and become solid, indicating successful pairing.

### 5. OPERATING INSTRUCTIONS

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#### 5.1. Basic Flight Controls

The X183 offers intuitive controls for various flight movements:

- **Throttle (Left Joystick Up/Down):** Controls altitude (Up for ascent, Down for descent).
- **Yaw (Left Joystick Left/Right):** Rotates the drone horizontally (Left for counter-clockwise, Right for clockwise).
- **Forward/Backward (Right Joystick Up/Down):** Moves the drone forward or backward.
- **Sideward Flight (Right Joystick Left/Right):** Moves the drone left or right (strafe).
- **Speed Control:** Adjust flight speed settings via a dedicated button on the remote (refer to remote diagram in the full manual for exact location).
- **Hovering:** The drone is designed for stable hovering in the air. Fine-tune with trim buttons if drifting occurs.

## 5.2. Advanced Features

- **6-Axis Gyro System:** Provides enhanced stability and flexible flight, making the drone more resistant to wind interference.
- **Dual-GPS Module:** Enables precise positioning and stable hovering. This feature is crucial for functions like Return-to-Home and Intelligent Following.
- **Headless Mode:** When activated, the drone's orientation becomes irrelevant to the control inputs. Pushing the right joystick forward will always make the drone fly away from the pilot, regardless of which way the drone's "head" is facing.
- **Intelligent Following Function:** When enabled, the drone can precisely capture and follow your position. Ensure GPS signal is strong for optimal performance.



Figure 5.2: Top view of the sea jump X183 Drone, highlighting the integrated GPS module for advanced flight capabilities.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your drone.

- **Cleaning:** Use a soft, dry cloth to clean the drone body. Avoid using solvents or harsh chemicals. Remove any debris from motors and propellers.
- **Propeller Inspection:** Regularly check propellers for cracks, bends, or damage. Replace any damaged propellers immediately to maintain flight stability.
- **Battery Care:** Store batteries in a cool, dry place. Do not store fully charged or completely depleted batteries for extended periods. Charge them to about 50% for long-term storage.
- **Storage:** When not in use, store the drone and remote controller in a safe, dry environment, away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

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Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Drone does not power on.	Battery is not charged or not connected properly.	Ensure battery is fully charged and securely connected.
Remote controller does not respond.	Remote controller batteries are low or incorrectly installed. Not paired with drone.	Replace remote batteries. Re-pair the drone and remote (refer to Section 4.5).
Drone drifts during flight.	Drone not calibrated on a level surface. Wind interference.	Ensure drone is placed on a flat surface during power-on and pairing. Use trim buttons to adjust. Avoid flying in strong winds.
GPS functions (e.g., Intelligent Following) are not working.	Weak GPS signal. Drone not acquiring enough satellites.	Operate in an open outdoor area with a clear view of the sky. Wait for the drone to acquire sufficient GPS satellites before attempting GPS-dependent functions.

## 8. SPECIFICATIONS

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Key technical specifications for the sea jump X183 Drone:

Feature	Detail
Brand	sea jump
Model	X183 (Manufacturer Part Number: 96)
Age Range (Description)	Adult
Connectivity Technology	USB (for charging)
Control Type	Remote Control
Material	ABS
Wireless Communication Technology	Wi-Fi (likely for FPV/app connection, though not explicitly detailed in description)
Batteries Included	No (for remote controller)
Remote Control Included?	Yes
UPC	628746305106
Manufacturer	China

## 9. WARRANTY AND SUPPORT

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For any questions, concerns, or support needs regarding your sea jump X183 Drone, please contact the seller directly. The seller, Sea leap Technology, is committed to assisting you with product-related inquiries.

As stated by the manufacturer: "If you have any other questions. Please let me know, I will help you solve.

Looking forward to your questions."

Please refer to your purchase documentation for specific warranty terms and contact information.