

Ih-x43

# Phantom Drone User Manual

Model: Ih-x43

## 1. PRODUCT OVERVIEW

The Phantom Drone is a versatile quadcopter designed for both beginners and intermediate pilots. It features a sleek black body with distinctive orange propellers, offering stable flight performance and intuitive controls. Key features include Headless Mode for simplified orientation and an Auto Return function for safe retrieval.

### Key Features:

- **Headless Mode:** Simplifies flight control by aligning the drone's orientation with the pilot's perspective.
- **Auto Return:** Automatically guides the drone back to its take-off point with a single button press.
- **Ergonomic Controller:** Gamepad-style controller with responsive buttons for precise maneuvering.
- **Durable Design:** Equipped with propeller guards and a sturdy frame for enhanced protection during flight.





*Figure 1: Phantom Drone and Controller as packaged. This image shows the drone with its orange and black design, propeller guards, and the accompanying remote controller, all neatly arranged within its packaging.*

## 2. SAFETY GUIDELINES

Always prioritize safety when operating the drone. Failure to follow these guidelines may result in injury or damage to the drone.

- Operate the drone in open, clear areas, away from people, animals, and obstacles.
- Do not fly near airports, restricted airspace, or sensitive facilities.
- Maintain visual line of sight with the drone at all times.
- Avoid flying in strong winds, rain, or other adverse weather conditions.
- Ensure all batteries are fully charged before flight.
- Keep fingers and loose clothing away from rotating propellers.
- Children should only operate the drone under direct adult supervision.

### 3. WHAT'S IN THE BOX

Verify that all components are present upon unboxing:

- Phantom Drone (1 unit)
- Remote Controller (1 unit)
- Propeller Guards (4 units)
- User Manual (1 unit)
- USB Charging Cable (1 unit)
- Spare Propellers (4 units)





Figure 2: The Phantom Drone and its accessories as they appear when unboxed. This image provides a clear view of the drone, controller, and other included components within the product packaging.

## 4. SETUP GUIDE

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### 4.1. Charging the Drone Battery

1. Locate the drone's battery compartment and remove the battery.
2. Connect the battery to the provided USB charging cable.
3. Plug the USB cable into a compatible USB power source (e.g., computer USB port, USB wall adapter).
4. The indicator light on the charging cable will show charging status (e.g., red for charging, green for fully charged).
5. Once fully charged, disconnect the battery and reinsert it into the drone.

### 4.2. Installing Propeller Guards

For enhanced safety and protection, attach the propeller guards before flight.

1. Identify the four propeller guards.
2. Align each guard with the corresponding arm of the drone, ensuring the correct orientation.
3. Gently snap or slide the guards into place until they are securely fastened.

### 4.3. Installing Controller Batteries

The remote controller requires 3x AAA batteries (not included).

1. Open the battery compartment on the back of the remote controller.
2. Insert 3 AAA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment securely.

## 5. OPERATING INSTRUCTIONS

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### 5.1. Pairing the Drone and Controller

1. Place the drone on a flat, level surface.
2. Turn on the drone by pressing the power button. The drone's lights will blink.
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 become solid, indicating successful pairing.

## 5.2. Calibration

After pairing, calibrate the drone for stable flight:

- While the drone is on a flat surface, push both joysticks down and to the right simultaneously for 2-3 seconds.
- The drone's lights will blink rapidly and then become solid, indicating successful calibration.

## 5.3. Take-off and Landing

- **Manual Take-off:** Gently push the left joystick (throttle) upwards to make the drone ascend.
- **Manual Landing:** Slowly pull the left joystick (throttle) downwards to make the drone descend. Once it lands, hold the joystick down for a few seconds until the propellers stop.

## 5.4. Flight Controls

- **Left Joystick (Throttle):** Up/Down for altitude, Left/Right for rotation (yaw).
- **Right Joystick (Direction):** Up/Down for forward/backward, Left/Right for left/right sideward flight.
- **Headless Mode Button:** Press to activate/deactivate Headless Mode. In this mode, the drone's front direction is always the same as the controller's front, regardless of the drone's actual orientation.
- **Auto Return Button:** Press to initiate the Auto Return function. The drone will attempt to fly back towards its take-off point. Press again to cancel.





Figure 3: The Phantom Drone's remote controller. This image highlights the ergonomic design and button layout of the controller, which is essential for understanding flight operations.

## 6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and controller. Do not use water or solvents.
- **Propeller Replacement:** If propellers are damaged, replace them with genuine spare parts. Ensure correct propeller (A or B) is installed on the correct motor.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. Remove batteries from the drone and controller if not in use for extended periods.
- **Storage:** Store the drone and controller in their original packaging or a protective case to prevent damage.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not respond to controller.	Not paired; low battery (drone or controller).	Re-pair drone and controller; charge/replace batteries.
Drone drifts during flight.	Not calibrated; uneven surface during take-off; wind interference.	Recalibrate the drone; ensure take-off from a flat surface; fly in calm conditions.

Problem	Possible Cause	Solution
Propellers not spinning.	Obstruction; damaged propeller; motor issue.	Check for obstructions; replace damaged propellers; contact support if motor issue.
Auto Return not working accurately.	GPS signal weak (if applicable); environmental interference.	Ensure clear outdoor space; avoid areas with strong magnetic fields.

## 8. SPECIFICATIONS

Feature	Detail
Brand	Generic
Model Name	lh-x43
Colour	Black and orange
Connectivity Technology	Radio Control, Wireless (2.4GHz)
Special Feature	Auto Return, Headless Mode
Skill Level	Beginner
Item Weight	300 Grams
Product Dimensions	46L x 38W x 5H Centimeters
Material	Plastic
Batteries Included	No (for controller), Yes (rechargeable for drone)

## 9. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty terms, please refer to the warranty card included in your product packaging or contact the retailer where the product was purchased.

For technical support, troubleshooting assistance, or inquiries regarding spare parts, please contact our customer service department. Contact information can typically be found on the product packaging or the retailer's website.

Please have your model number (lh-x43) and purchase details ready when contacting support.