

JJRC JJRC H71

JJRC H71 Foldable Drone User Manual

Model: JJRC H71

1. INTRODUCTION

This manual provides essential information for the safe operation and maintenance of your JJRC H71 Foldable Drone. Please read it thoroughly before operating the drone to ensure proper usage and to prevent damage or injury. Keep this manual for future reference.

1.1 Safety Guidelines

- Always operate the drone in open areas, away from people, animals, and obstacles.
- Do not fly near airports, restricted airspace, or sensitive areas.
- Ensure the drone batteries are fully charged before each flight.
- Avoid flying in strong winds or adverse weather conditions.
- Maintain a safe distance from the rotating propellers.
- Children should only operate the drone under adult supervision.
- Do not modify the drone or its components.

2. PACKAGE CONTENTS

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

- JJRC H71 Foldable Drone
- Remote Controller
- Modular Batteries (2 pcs)
- Spare Propellers (1 set)
- Propeller Guards (4 pcs)
- USB Charging Cable
- Screwdriver
- User Manual (this document)
- Carrying Case



Image: All components of the JJRC H71 Foldable Drone package, including the drone, remote controller, two batteries, spare propellers, propeller guards, USB charging cable, screwdriver, and carrying case.

3. COMPONENT IDENTIFICATION

3.1 Drone Overview



Image: The JJRC H71 Foldable Drone in its unfolded state, alongside its remote controller with a phone holder, a folded drone, and two modular batteries.

The JJRC H71 drone features a foldable design for portability. It includes a 1080P HD camera, LED lights, and modular battery compartments.

3.2 Remote Controller

The remote controller is equipped with joysticks for flight control, buttons for various functions, and a phone holder for FPV viewing.

4. SETUP

4.1 Battery Installation and Charging

1. **Drone Battery:** Insert a fully charged modular battery into the drone's battery compartment until it clicks into place.
2. **Remote Controller Batteries:** Open the battery cover on the back of the remote controller and insert 4 AA

batteries (not included), ensuring correct polarity. Close the cover.

3. **Charging:** Connect the modular drone battery to the USB charging cable. Plug the USB cable into a 5V/1A USB power adapter (not included). The indicator light on the cable will show charging status. Charging typically takes 60-80 minutes.



Modular Battery

Fly Up To 22 Minutes(11mins+11mins)



Image: Illustration showing the modular battery being inserted into the JJRC H71 drone's battery compartment, with a second battery shown separately.

4.2 Propeller and Guard Installation

1. **Propellers:** Ensure propellers are correctly installed according to their markings (A and B) on the corresponding motor shafts. Use the provided screwdriver to secure them.
2. **Propeller Guards:** Attach the propeller guards to the drone's arms for added protection, especially for beginners.

4.3 App Download and Connection

1. Download the official JJRC app from your mobile device's app store. Search for 'JJRC'.
2. Turn on the drone and your mobile device's Wi-Fi.
3. Connect your mobile device to the drone's Wi-Fi network (e.g., 'JJRC-H71-XXXX').
4. Open the JJRC app to access FPV view and advanced flight features.

5. OPERATING INSTRUCTIONS

5.1 Pre-Flight Checklist

- Ensure drone and remote batteries are fully charged.
- Check that propellers and guards are securely installed.
- Select an open, safe flying area.
- Power on the drone and remote controller.

5.2 Pairing and Calibration

1. **Pairing:** Turn on the drone, then turn on the remote controller. Push the left joystick up and then pull it down. The drone's lights will stop flashing, indicating successful pairing.
2. **Gyro Calibration:** After pairing, place the drone on a flat, level surface. Push both joysticks down and to the right simultaneously. The drone's lights will flash rapidly and then become solid, indicating successful calibration.

5.3 Take-off and Landing

- **One-Key Take-off:** Press the one-key take-off button on the remote. The drone will automatically ascend to a stable altitude.
- **Manual Take-off:** Push both joysticks outwards and downwards to start the motors. Then, gently push the left joystick up to ascend.
- **One-Key Landing:** Press the one-key landing button. The drone will automatically descend and land.
- **Manual Landing:** Gently pull the left joystick down to descend. Once landed, pull both joysticks inwards and downwards to stop the motors.

5.4 Flight Controls and Features

- **Basic Controls:** Use the left joystick for altitude (up/down) and rotation (left/right). Use the right joystick for forward/backward and left/right strafing.
- **Altitude Hold:** The drone maintains its current altitude automatically, allowing for stable hovering.
- **Optical Flow Positioning:** This feature uses a downward-facing camera to detect patterns on the ground, helping the drone maintain its position and hover steadily, especially at lower altitudes.



Optical Flow Positioning

Hover at a specific height and fly steadily



Optical flow



Altitude hold

Image: Diagram illustrating how Optical Flow Positioning helps the drone hover steadily by analyzing ground patterns, and how Altitude Hold maintains a specific height.

- **Headless Mode:** In Headless Mode, the drone's orientation is relative to the pilot, regardless of the drone's front direction. Press the Headless Mode button to activate/deactivate.
- **Speed Switching:** The drone offers three speed modes (30%, 60%, 100%) suitable for different skill levels. Press the speed switch button to cycle through modes.



Speed Switching

Three speed modes are suitable for beginners and experts



Image: Illustration showing the JJRC H71 drone in flight with three speed modes (30%, 60%, 100%) indicated on the remote controller's display.

- **Flight Planning (App Control):** Using the JJRC app, you can draw a flight path on your mobile screen, and the drone will follow the designated route.



Flight Planning

Draw a flight line on the app and the drone will fly according to the flight pot



Image: A hand interacting with the JJRC app on a smartphone, demonstrating the flight planning feature where a path is drawn for the drone to follow.

- **Gravity Sensor (App Control):** Tilt your mobile phone to control the drone's direction. Activate this feature within the JJRC app.



Gravity Sensor

Tilt the cellphone to control the drone



Image: A hand holding a smartphone, demonstrating the Gravity Sensor feature where tilting the phone controls the drone's flight direction.

5.5 Camera Operation and FPV

- **1080P HD Camera:** The drone is equipped with a 90° adjustable 1080P HD camera for capturing high-quality photos and videos.



Image: Close-up view of the JJRC H71 drone's 1080P HD camera, highlighting its 90-degree adjustable angle and 120-degree field of view.

- **FPV Function:** Through the Wi-Fi FPV real-time transmission, live images and videos from the drone's camera are streamed directly to your connected mobile device via the JJRC app. The transmission range is up to 50 meters.



WiFi FPV Real-Time Transmission

Up to 50 Meters of Transmission Range



Image: Illustration showing the JJRC H71 drone transmitting live video feed via Wi-Fi to a smartphone mounted on the remote controller, with a transmission range of up to 50 meters.

- **Recording:** Use the dedicated buttons on the remote controller or the controls within the JJRC app to start/stop video recording or take photos.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote controller. Avoid using water or solvents.
- **Propeller Replacement:** If a propeller is damaged, replace it with a spare propeller of the correct type (A or B) using the provided screwdriver.
- **Storage:** Store the drone and its components in the carrying case in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries from the remote controller if storing for extended periods.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Drone does not respond to remote.	Not paired or low battery.	Ensure drone and remote are powered on and paired correctly. Charge batteries.
Drone drifts during flight.	Gyro not calibrated or strong wind.	Perform gyro calibration on a flat surface. Avoid flying in windy conditions.
FPV image is blurry or disconnected.	Weak Wi-Fi signal or incorrect app.	Ensure drone and phone are within 50m range. Reconnect to drone's Wi-Fi. Use the official JJRC app.
Propellers do not spin.	Motors not armed or damaged propellers.	Arm motors (joysticks outwards/downwards). Check for obstructions or replace damaged propellers.

8. SPECIFICATIONS

Feature	Detail
Brand	JJRC
Model	H71
Camera Resolution	1080P HD (90° adjustable)
Flight Time	Up to 22 minutes (with 2 batteries)
Battery Capacity	900 mAh (per battery)
Positioning System	Optical Flow Positioning, Altitude Hold
Connectivity	Wi-Fi (FPV up to 50m)
Control Modes	Remote Control, App Control (Flight Planning, Gravity Sensor)
Special Features	Foldable Design, Headless Mode, 3 Speed Modes
Material	Plastic Carbon Fiber
Item Weight	880 g

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official JJRC website or contact your retailer. Keep your purchase receipt as proof of purchase.

	<p>JJRC H36 Mini Drone User Manual: Setup, Flying, and Troubleshooting Guide</p> <p>Comprehensive user manual for the JJRC H36 mini drone. Learn how to set up, pair, fly, perform flips and rolls, troubleshoot common issues, and charge safely. Includes detailed instructions and diagrams.</p>
	<p>JJRC K19 Max GPS Drone User Manual</p> <p>Comprehensive user manual for the JJRC K19 Max GPS Drone, detailing its features like 360° laser obstacle avoidance, panoramic shooting, 5G connectivity, optical flow positioning, and airdrop functionality.</p>
	<p>JJRC Elfie Foldable Drone User Manual and Operation Guide</p> <p>Comprehensive guide to operating the JJRC Elfie, the world's smallest foldable drone. Includes pre-flight preparation, app instructions, flying exercises, troubleshooting, and accessories.</p>
	<p>JJRC H106 Folding Drone with Obstacle Avoidance: Operating Manual</p> <p>Comprehensive operating manual for the JJRC H106 folding drone, featuring obstacle avoidance. Includes setup, installation, operation, and troubleshooting guides.</p>
	<p>JJRC BABY ELFIE Drone User Manual: Setup, Controls, and Flight Guide</p> <p>Comprehensive user manual for the JJRC BABY ELFIE mini foldable drone. Learn how to set up, operate with remote control or app, troubleshoot common issues, and fly safely.</p>
	<p>JJRC Baby Elfie Mini Foldable Drone User Manual</p> <p>Comprehensive user manual for the JJRC Baby Elfie mini foldable drone, covering setup, remote control operation, app control, flight modes, troubleshooting, and technical support.</p>