

## Ruko U11PRO

# Ruko U11PRO Drone Instruction Manual

Comprehensive guide for your Ruko U11PRO Drone

## 1. PRODUCT OVERVIEW

The Ruko U11PRO Drone is a high-performance quadcopter designed for both beginners and experienced users, featuring a 4K camera, extended flight time, and intelligent flight modes. This manual provides essential information for safe and effective operation.



Figure 1: Ruko U11PRO Drone with remote controller, batteries, and carrying case.

## Key Features:

- **4K Camera:** Capture high-resolution videos and photos.
- **Extended Flight Time:** Comes with 3 intelligent flight batteries for up to 78 minutes of total flight time.
- **GPS Auto Return:** Ensures safe return to home with low battery or signal loss.
- **Indoor/Outdoor Mode:** Versatile flight capabilities for various environments.
- **FAA Remote ID Comply:** Designed to meet regulatory requirements.
- **Brushless Motors:** Provides stable flight and longer lifespan.

## 2. SETUP GUIDE

### 2.1 Unboxing and Initial Inspection

Carefully unpack all components from the carrying case. Ensure all items listed in the "What's in the Box"

section are present and undamaged. Refer to the included user manuals for detailed instructions.



Figure 2: The Ruko U11PRO Drone and its accessories neatly packed in the provided carrying case.

## 2.2 Charging Batteries and Remote Controller

Before the first flight, ensure all intelligent flight batteries and the remote controller are fully charged. Use the provided USB cables for charging. The battery level indicators will show charging progress.

### 3 Intelligent Flight Batteries

Longer lasting, more secure,  
faster charging, power display.  
Enjoy an extended flight time  
of up to **78 minutes**.

**78min** 



Figure 3: Three intelligent flight batteries provide extended flight time. Ensure they are fully charged before use.

## 2.3 Drone Preparation

1. Unfold the drone's arms until they click into place.
2. Ensure propellers are firmly installed and free from damage.
3. Insert a charged intelligent flight battery into the drone until it is securely latched.
4. Remove the camera cover before flight.
5. Insert an SD card (up to 32GB, Class 10 recommended) into the drone's slot for recording.

## 2.4 Remote Controller Preparation

1. Unfold the remote controller's antennas and pull out the phone holder.
2. Securely place your smartphone in the phone holder.
3. Press the power button on the remote controller to turn it on.



## Professional Remote Control

U11PRO remote control is designed for ergonomics with weight and good touch, which can bring users professional control experience and fun



Figure 4: The ergonomic remote controller with phone holder for real-time video feed.

## 2.5 App Download and Connection

Download the "Ruko Fly" app from your smartphone's app store. Connect your phone to the drone's Wi-Fi network (RUKO-U11PRO-XXXXXX). This connection enables real-time video transmission and advanced flight features.

## 2.6 Flight Environment Selection

Choose an open area free of obstacles such as tall buildings, trees, and power lines to ensure a safe flight and better first-person video reception to your phone. Avoid flying near crowds or restricted airspace.

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Video 1: Ruko Drone Takeoff Environment Selection Guidelines. This video demonstrates suitable and unsuitable flight environments for safe drone operation.

# 3. OPERATING THE DRONE

## 3.1 First Flight and Takeoff

After completing setup and calibration (follow in-app instructions), place the drone on a flat, open surface. Unlock the motors by pushing both joysticks to the 5 and 7 o'clock positions simultaneously. Then, push the left joystick up to initiate takeoff.

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Video 2: Ruko U11PRO Drone First Flight Tutorial. This comprehensive video guides you through the initial flight steps, from unboxing to takeoff and basic controls.

## 3.2 Basic Flight Controls (Remote Controller)

Joystick	Movement	Action
Left Joystick	Up/Down	Ascend/Descend



Joystick	Movement	Action
Left Joystick	Left/Right	Turn Left/Right (Yaw)
Right Joystick	Up/Down	Fly Forward/Backward (Pitch)
Right Joystick	Left/Right	Fly Left/Right (Roll)

### 3.3 Intelligent Flight Modes

The Ruko U11PRO offers several intelligent flight modes for enhanced control and creative shots:

- **GPS Follow Me:** The drone automatically follows your movement, keeping you in the frame.
- **Point of Interest:** The drone circles a designated point, capturing a 360-degree view.
- **Waypoint Flight:** Plan a custom flight path by setting multiple waypoints on the map.
- **Auto Return to Home (RTH):** Initiates automatically on low battery or signal loss, or manually with a button press.



Figure 5: Visual representation of GPS Follow Me, Point of Interest, and Route Planning modes.

### 3.4 Photo and Video Capture

Use the dedicated buttons on the remote controller or the app interface to capture 4K photos and videos. The camera angle can be adjusted up to 90 degrees for optimal shots.

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Video 3: Upgrade U11PRO Drone Features. This video highlights the drone's advanced features, including camera capabilities and intelligent flight modes.

## 4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Ruko U11PRO Drone.

- **Batteries:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. If not used for extended periods, charge them to about 50% capacity every three months.
- **Propellers:** Inspect propellers for cracks or damage before each flight. Replace any damaged

propellers immediately using the provided spares and screwdriver.

- **Cleaning:** Gently wipe the drone body and camera lens with a soft, dry cloth after each use. Avoid using harsh chemicals.
- **Storage:** Store the drone and all accessories in the original carrying case to protect them from dust and physical damage.

## 5. TROUBLESHOOTING

If you encounter issues with your Ruko U11PRO Drone, refer to the following common troubleshooting tips:

- **Drone not powering on:** Ensure the intelligent flight battery is fully charged and correctly inserted. Long press the power button on the battery.
- **Remote controller not connecting:** Ensure both the drone and controller are powered on. Follow the in-app pairing instructions. Check battery levels of both devices.
- **No GPS signal:** Fly in an open outdoor area away from tall structures and strong magnetic interference. Wait for the GPS indicator to turn green in the app.
- **Unstable flight:** Ensure propellers are correctly installed and undamaged. Perform IMU calibration as per the user manual. Check for strong winds.
- **App connection issues:** Ensure your phone's Wi-Fi is connected to the drone's network. Restart the app and the drone if necessary.

For more detailed troubleshooting, please consult the full User Manual (PDF) available via the support section.

## 6. SPECIFICATIONS

Feature	Detail
Brand	Ruko
Model Name	U11PRO 3B
Video Capture Resolution	4K
Effective Still Resolution	8294400 Pixels
Item Weight	278 Grams (9.8 ounces)
Battery Capacity	1900 Milliamp Hours (3 Lithium Ion batteries included)
Product Dimensions	5.9"L x 3.94"W x 2.36"H
Connectivity Technology	App Control, Remote Control, GPS, Wi-Fi
Special Feature	Auto Return, App-Controlled, GPS, WiFi, Compliance with FAA Remote ID

Feature	Detail
Skill Level	Beginner

## 7. WARRANTY INFORMATION

Specific warranty details are typically provided with your product packaging or on the manufacturer's official website. Please refer to the documentation included in your Ruko U11PRO Drone box for the most accurate and up-to-date warranty information.



## 8. SUPPORT

For further assistance, technical support, or customer service, please use the following contact information:



Figure 6: Ruko Fast Customer Support details.

- **Phone:** +1 (888) 892-0155 (Mon-Fri 5:00 AM – 2:00 PM PST)
- **Email:** [service@rukoytoy.com](mailto:service@rukoytoy.com)
- **User Manual (PDF):** [Download Here](#)
- **User Guide (PDF):** [Download Here](#)

 <p>Ruko Flight Knowledge &amp; Quick Start Guide v2.0 U11PRO CONFlict U11PRO HOME TECH SUPPORT 10.11 10.11 10.11 10.11 10.11 10.11</p>	<p><a href="#">Ruko U11PRO Drone: Flight Knowledge &amp; Quick Start Guide</a></p> <p>A comprehensive guide for the Ruko U11PRO drone, covering essential flight knowledge, setup procedures, Wi-Fi and GPS connection, pairing, troubleshooting common issues, and battery management. Designed for beginners and experienced users alike.</p>
 <p>Ruko User Manual v2.0 U11 PRO</p>	<p><a href="#">Ruko U11 Pro Drone User Manual</a></p> <p>Comprehensive user manual for the Ruko U11 Pro drone, detailing setup, flight operations, app features, safety guidelines, and specifications for optimal performance.</p>
 <p>Ruko Flight Knowledge &amp; Quick Start Guide v2.0 U11PRO CONFlict U11PRO HOME TECH SUPPORT 10.11 10.11 10.11 10.11 10.11 10.11</p>	<p><a href="#">Ruko U11PRO Drone: Flight Knowledge &amp; Quick Start Guide</a></p> <p>Comprehensive guide for the Ruko U11PRO drone, covering flight basics, setup, Wi-Fi connection, GPS, troubleshooting, and flying skills. Includes essential information for safe and effective operation.</p>
 <p>Ruko User Manual v2.0 F11MINI CONFlict F11MINI HOME TECH SUPPORT 10.11 10.11 10.11 10.11 10.11 10.11</p>	<p><a href="#">Ruko F11MINI Drone User Manual: Setup, Operation, and Features</a></p> <p>This comprehensive user manual provides detailed instructions for the Ruko F11MINI drone, covering setup, flight operations, intelligent flight modes, camera usage, app integration, and troubleshooting for optimal performance and safety.</p>
 <p>Ruko Safety Disclaimer &amp; User Manual v2.0 U11PRO CONFlict U11PRO HOME TECH SUPPORT 10.11 10.11 10.11 10.11 10.11 10.11</p>	<p><a href="#">Ruko U11PRO Drone Safety Disclaimer &amp; User Manual</a></p> <p>Comprehensive guide for the Ruko U11PRO drone, covering safety precautions, battery management, flight operations, and app usage for optimal and secure flight experiences.</p>
 <p>Ruko Quick Start Guide v1.0 U11</p>	<p><a href="#">Ruko U11 Drone Quick Start Guide and Troubleshooting</a></p> <p>Get started with your Ruko U11 drone. This guide provides step-by-step instructions for setup, pairing, calibration, and flight, along with solutions to common issues.</p>



