

[Manuals.plus](#) /

> [weidilixiang](#) /

> Mini Drone V9 User Manual

weidilixiang K911se

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Mini Drone V9 User Manual

Model: K911se | Brand: weidilixiang

1. INTRODUCTION

Thank you for purchasing the Mini Drone V9. This foldable quadcopter is equipped with advanced features such as 4K dual HD cameras, Wi-Fi FPV, and intelligent flight modes, designed to provide an immersive and enjoyable aerial experience. Please read this manual thoroughly before operating the drone to ensure safe and proper use.

2. SAFETY PRECAUTIONS

- **Read the Manual:** Always read the entire user manual before operating the drone.
- **Age Recommendation:** This product is not suitable for children under 14 years old. Adult supervision is recommended for younger users.
- **Flight Environment:** Fly in open, unobstructed areas, away from people, animals, buildings, and power lines. Avoid flying in strong winds or adverse weather conditions.

- **Battery Safety:** Use only the provided charging cable and charger. Do not overcharge or short-circuit the battery. Discontinue use if the battery is damaged or swollen.
- **Maintain Line of Sight:** Always keep the drone within your visual line of sight during flight.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers.
- **Local Regulations:** Be aware of and comply with all local laws and regulations regarding drone operation.

3. PACKAGE CONTENTS

Please check the package contents upon unboxing:

- Mini Drone V9
- Remote Controller
- Modular Drone Battery
- USB Charging Cable
- Spare Propellers (set)
- User Manual

4. PRODUCT OVERVIEW



Figure 4.1: Mini Drone V9, Remote Controller, and Folded Drone. This image displays the drone in its unfolded state, ready for flight,


alongside its dedicated remote controller with a smartphone mount. A smaller inset shows the drone in its compact, folded configuration, highlighting its portability.



Figure 4.2: Dual Camera System. This close-up view illustrates the drone's dual camera setup, featuring a 4K front camera and a 1080P bottom camera, allowing for switchable viewing angles during flight.

Double the aerial view

Multi-angle shooting, aerial photography without boundaries



Double the aerial view

Multi-angle shooting, aerial photography without boundaries

Phone control

Connect the drone via wifi, you can Fully control the drone.

HD video transmission

HD video transmission, more user-friendly viewing Experience and enjoy the wonderful journey of aerial photography.






Figure 4.3: Modular Battery. An illustration demonstrating the easy installation and removal of the modular lithium battery, designed for convenient loading and unloading.

5. SETUP

5.1 Charging the Battery

The drone uses a modular lithium battery. Ensure the battery is fully charged before each flight.

1. Connect the USB charging cable to the drone battery.
2. Plug the other end of the USB cable into a 5V/1A USB power adapter (not included).

3. The indicator light on the cable will show charging status (e.g., red for charging, off for fully charged). Charging typically takes about 60-90 minutes.

5.2 Installing the Drone Battery

1. Ensure the drone is powered off.
2. Insert the fully charged modular battery into the battery compartment on the drone's rear until it clicks into place.

5.3 Preparing the Remote Controller

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, observing the correct polarity (+/-).
3. Close the battery compartment.

5.4 Propeller Installation (if required)

If propellers are not pre-installed or need replacement:

1. Match the propeller type (A or B) with the corresponding motor arm. Each motor arm is marked.
2. Gently push the propeller onto the motor shaft until it is securely seated.

5.5 App Installation and Wi-Fi Connection

For FPV (First Person View) and advanced features, download the dedicated drone app.

1. Scan the QR code provided in the quick start guide (or search for the app name, e.g., 'V9 FPV' or 'RC Drone') on your smartphone's app store (iOS/Android).
2. Install the app.
3. Power on the drone.
4. Go to your phone's Wi-Fi settings and connect to the drone's Wi-Fi network (e.g., 'V9-XXXXXX').
5. Open the drone app. The live video feed should appear, indicating a successful connection.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off and Pairing

1. Place the drone on a flat, level surface.
2. Press and hold the power button on the drone until the indicator lights turn on.
3. Power on the remote controller. The controller will beep, and its indicator light will flash.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone and controller lights will become solid, indicating successful pairing.

6.2 Gyro Calibration

After pairing, calibrate the gyroscope for stable flight:

- Push both joysticks down and to the right simultaneously. The drone lights will flash rapidly and then become solid, indicating calibration is complete.

6.3 One-Click Take-off and Landing

product name	
V9 aerial photography small plane (folding version)	
Expand Size	Folded size
12.5x13x3.5cm	8x6x3.5cm
Flight system	Camera parameters
Air hover	4K camera + 1080P lens (110° super wide angle)
Battery life	Body battery
About 15 minutes	Removable and modular
Image transmission signal	Remote control distance
2.4G anti-interference	About 150 meters

Figure 6.1: One-Click Take-off/Landing and Headless Mode. This image illustrates the simplicity of one-key take-off and landing, showing the drone ascending from a marked spot, and also depicts the concept of headless mode, where the drone's orientation is relative to the pilot.

- **Take-off:** Press the One-Key Take-off button (usually indicated by an arrow pointing up). The drone will automatically ascend and hover at a certain altitude.
- **Landing:** Press the One-Key Landing button (usually indicated by an arrow pointing down). The drone will automatically descend and land gently.

6.4 Basic Flight Controls

- **Left Joystick (Throttle):**
 - Push up: Ascend
 - Push down: Descend
 - Push left/right: Rotate left/right (Yaw)
- **Right Joystick (Direction):**
 - Push up/down: Fly forward/backward (Pitch)
 - Push left/right: Fly left/right (Roll)

6.5 Advanced Flight Functions

- **Headless Mode:** Press the Headless Mode button. In this mode, the drone's forward direction is relative to the pilot, regardless of the drone's actual orientation. Press again to exit.
- **Altitude Hold/Steady Hover:** The drone automatically maintains its altitude, allowing for stable hovering. This feature is typically active by default.
- **One-Key Return:** Press the One-Key Return button. The drone will attempt to fly back towards its take-off

point. This function is based on the initial take-off direction and does not use GPS.

- **Speed Switch:** Press the Speed Switch button to cycle through different speed modes (e.g., low, medium, high).
- **Trajectory Flight:** (Via App) In the app, draw a flight path on your screen. The drone will automatically follow the drawn trajectory.

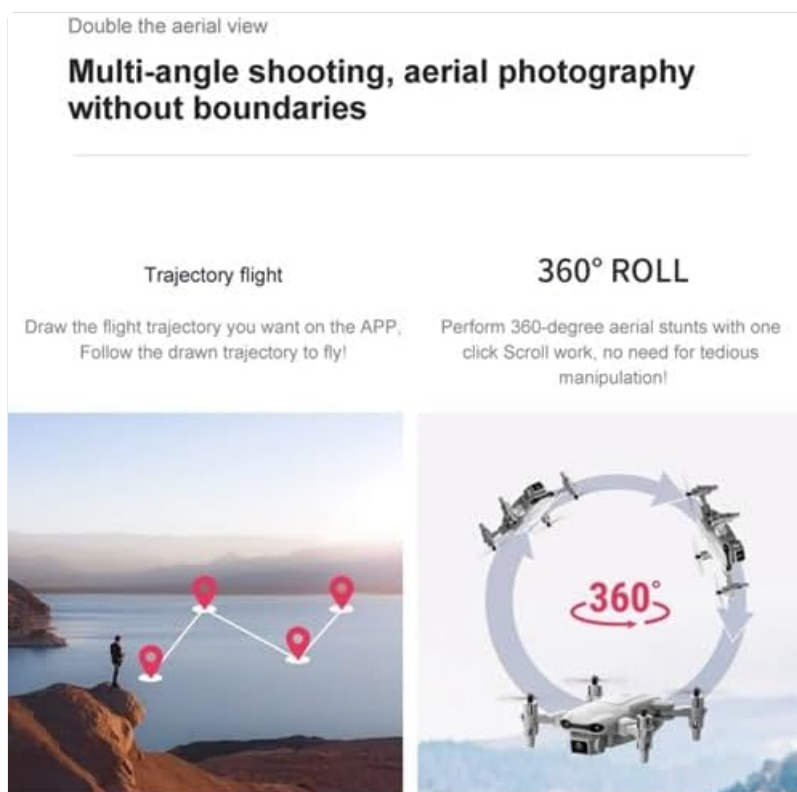


Figure 6.2: Trajectory Flight and 360° Roll. This image demonstrates the trajectory flight feature, where a user can draw a path on the app for the drone to follow, and also illustrates the drone performing a 360-degree roll stunt.

- **360° Roll:** Fly the drone to a height of at least 3 meters. Press the 360° Roll button, then push the right joystick in the desired direction (forward, backward, left, or right) to perform a flip.
- **Gesture Recognition:** (Via App) When the drone's camera is facing you, perform specific hand gestures (refer to app instructions) to trigger photo or video recording.
- **Gravity Sensor Control:** (Via App) Enable this mode in the app to control the drone's direction by tilting your smartphone.
- **VR 3D Mode:** (Via App) Connect your smartphone to the drone's Wi-Fi and place it into a compatible VR 3D headset. The app will split the screen for an immersive first-person view.



Figure 6.3: VR 3D Experience. A person is shown wearing a VR headset, demonstrating the immersive 3D experience possible when using the drone with compatible VR glasses and a smartphone.

7. CAMERA OPERATION

The Mini Drone V9 features dual cameras: a 4K front camera and a 1080P bottom camera.

- **Switching Cameras:** Use the dedicated button on the remote controller or the option within the app to switch between the front and bottom cameras.
- **Photo Capture:** Press the Photo button on the remote controller or tap the camera icon in the app to take a still image.
- **Video Recording:** Press the Video button on the remote controller or tap the video icon in the app to start/stop recording.
- **FPV (First Person View):** Once connected to the drone's Wi-Fi via the app, you will see a live video feed from the drone's camera on your smartphone screen.

8. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lenses. Do not use harsh chemicals or solvents.
- **Propeller Inspection:** Regularly check propellers for damage (cracks, bends). Replace any damaged propellers immediately using the spare parts provided.
- **Battery Care:** Store batteries in a cool, dry place. For long-term storage, charge batteries to approximately 50% capacity. Do not store fully charged or fully depleted batteries for extended periods.
- **Storage:** Fold the drone arms for compact storage. Keep the drone and accessories in a safe place, away from direct sunlight and extreme temperatures.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Drone does not power on	Battery not charged or installed correctly	Ensure battery is fully charged and securely inserted.
Controller does not pair with drone	Incorrect pairing procedure; low controller battery	Follow pairing steps (power on drone, then controller, throttle up/down). Replace controller batteries.
Drone flies unstably or drifts	Gyroscope not calibrated; damaged propellers	Perform gyroscope calibration on a flat surface. Check and replace damaged propellers.
No FPV video feed in app	Not connected to drone's Wi-Fi; app not open	Ensure phone is connected to the drone's Wi-Fi network. Restart the app and drone.
Short flight time	Battery not fully charged; old battery	Fully charge the battery. Consider replacing the battery if it's old or degraded.

10. SPECIFICATIONS

Feature	Detail
Brand	weidilixiang
Model Name	K911 Se
Video Capture Resolution	4K (Front), 1080P (Bottom)
Camera Angle	110° Super Wide Angle
Connectivity Technology	5G Wi-Fi FPV
Remote Control Technology	5G
Remote Control Distance	About 150 meters
Battery Life	About 15 minutes
Battery Type	Removable and Modular Lithium Battery
Material	Plastic
Expanded Dimensions	12.5"L x 13"W x 3.5"H (approx. 31.75cm L x 33.02cm W x 8.89cm H)
Folded Dimensions	8"L x 6"W x 3.5"H (approx. 20.32cm L x 15.24cm W x 8.89cm H)
Item Weight	7.1 ounces (approx. 201 grams)
Skill Level	Intermediate
Special Feature	Brushless Motor

11. WARRANTY AND SUPPORT

For any questions, technical support, or warranty inquiries, please contact the manufacturer or your point of purchase. Keep your purchase receipt as proof of purchase for warranty claims.

