

## QAONIE K19

# QAONIE K19 GPS Drone Instruction Manual

Model: K19

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation of your QAONIE K19 GPS Drone. Please read this manual thoroughly before operating the drone and retain it for future reference. Proper understanding of the drone's features and controls is crucial for a successful flight experience.



Figure 1: QAONIE K19 GPS Drone and included accessories.

This image displays the QAONIE K19 GPS Drone, its dedicated 4.5-inch screen controller, two drone batteries, a carrying handbag, an SD card, and various small accessories including a screwdriver and spare wind blades.

## 2. WHAT'S IN THE BOX

Verify that all components are present upon unboxing:

- QAONIE K19 GPS Drone
- Remote Control with 4.5-inch Screen
- Drone Batteries (x2)
- Battery Charging Cable
- Remote Control Charging Cable
- SD Card
- Card Reader
- Wind Blades (Spare set)
- Screwdriver
- Handbag

- APP Manual
- Product Manual (This document)

## 3. SETUP GUIDE

### 3.1. Battery Charging

Ensure both the drone battery and the remote control are fully charged before flight.

#### 1. Drone Battery Charging:

Connect the drone battery to its dedicated charging cable and plug into a power supply. The indicator lights on the battery will be red during charging and turn off automatically when fully charged.



Figure 2: Drone battery connected to its charging cable.

This image shows the drone battery and its USB charging cable, ready for connection to a power source.

#### 2. Remote Control Charging:

Connect the remote control to its charging cable and plug into a power supply. The indicator light on the remote control will be green during charging.



Figure 3: Remote control connected to its charging cable.

This image shows the 4.5-inch screen remote control with its USB charging cable connected to the side port.

### 3.2. Drone Preparation

#### 1. **Unfold the Drone Arms:**

Carefully unfold all four drone arms until they lock into place. Ensure the drone is placed on a level surface before proceeding.

#### 2. **Install Drone Battery:**

Slide the charged drone battery into the designated compartment on the drone until it clicks securely.

#### 3. **Power On Drone:**

Long press the power button on the drone to turn it on. The drone's lights will illuminate.

#### 4. **Power On Remote Control:**

Long press the power button on the remote control to turn it on. The remote control will automatically pair with the drone.



Figure 4: Remote control displaying the drone's camera feed after successful pairing.

This image highlights the 4.5-inch screen remote control, showing the live camera feed from the drone, indicating a successful connection and readiness for flight.

### 3.3. Calibration (Outdoor Use)

**Important: Default outdoor GPS mode when powering on. Please perform calibration outdoors in an open and unobstructed environment!**

#### 1. Geomagnetic Calibration:

On the remote control, press and hold the geomagnetic calibration button. Pick up the drone and rotate it horizontally clockwise until you hear a beep. Then, rotate the drone vertically clockwise until you hear two beeps. This indicates successful compass horizontal calibration.

#### 2. Gyro Calibration:

Short press the gyro calibration button on the remote control. The drone's lights will flash from fast to slow, indicating successful calibration.

#### 3. GPS Signal Acquisition:

Wait for the drone to acquire GPS satellite signals. The drone can take off when the GPS signal strength reaches 9 or above (indicated on the remote control screen).



Figure 5: GPS signal strength indicator on the remote control screen.

This image highlights the GPS signal indicator on the remote control's screen, showing the number of satellites acquired (e.g., 16), which is crucial for stable outdoor flight.

## 4. OPERATING INSTRUCTIONS

### 4.1. Basic Flight Controls

Use the joysticks on the remote control to maneuver the drone:

- **Unlock and Take Off:** Push both joysticks outwards (outer eight lever) to unlock the drone. Then, push the left stick up to initiate take off.
- **Rise:** Push the left joystick up.
- **Descend:** Push the left joystick down.
- **Rotate Left/Right:** Push the left joystick left/right.
- **Forward/Backward:** Push the right joystick up/down.
- **Left/Right Fly:** Push the right joystick left/right.

Your browser does not support the video tag.

Video 1: QAONIE K19 GPS Drone Operation Tutorial.

This video provides a comprehensive tutorial on operating the QAONIE K19 GPS Drone, including pre-flight checks, calibration, basic flight controls, and advanced features. It demonstrates the physical actions on the remote control and the drone's corresponding movements.

### 4.2. Speed Switching

The drone offers multiple speed modes:

- **Low Speed:** One beep.
- **Medium Speed:** Two beeps.
- **High Speed:** Three beeps.

### 4.3. Camera Adjustment and Recording

#### 1. Motorized Camera Adjustment:

Use the dedicated scroll wheels on the remote control to adjust the camera angle up or down during flight.



Figure 6: Close-up of the K19 drone's 4K HD main camera.

This image provides a detailed view of the drone's dual camera system, highlighting its 4K HD main camera, 25fps HDR video capability, and 90-degree remote control adjustment with a 120-degree wide angle lens.

#### 2. Take Photo:

Short press the photo button on the remote control to capture an image.

#### 3. Start/Stop Recording:

Short press the recording button to start recording video. Short press it again to stop and save the recording.

#### 4. View Saved Media:

Press the Back button on the remote control, then select "File Management" to view saved photos and videos.

### 4.4. Special Features

#### • Active Obstacle Avoidance:

Short press the obstacle avoidance button to activate this mode. The drone will use its sensors to

detect and avoid obstacles.

- **Airdrop Mode:**

(Note: This feature may not be available on all models. If your model does not support airdrop, this section can be ignored.) To use airdrop, press the button on the bottom of the drone to open the hook. Aim the rope at the hook and press the button again to close the hook. Fly the drone into the air, then click the drop button on the remote control to release the item.

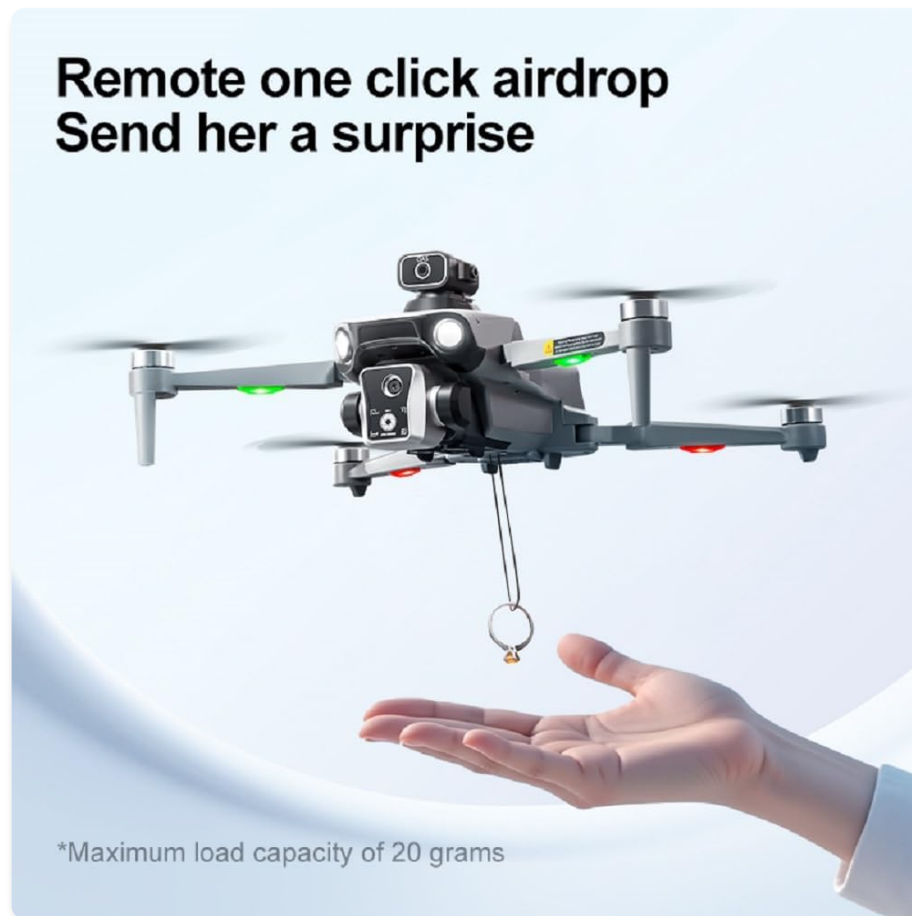


Figure 7: K19 drone demonstrating its remote one-click airdrop capability.

This image shows the K19 drone in flight, carrying a small package suspended by a string, illustrating its ability to perform remote airdrops with a maximum load capacity of 20 grams.

- **Return to Takeoff Point:**

Press the return button on the remote control. The drone will automatically return to its takeoff point.

## 4.5. Connecting to APP (for Cell Phone Control)

For advanced features and alternative control, connect your drone to the companion APP:

1. **Turn off Remote Control Display:**

First, turn off the display switch on the remote control.

2. **Download APP:**

Scan the QR code provided in the manual (or on the product packaging) to download the corresponding "KAI FLY" APP for your cell phone system (iOS/Android).

3. **Connect Drone WiFi:**

After downloading, connect your cell phone to the drone's Wi-Fi network (e.g., "KAIFLY\_GPS5G\_B0460278").

4. **Open APP:**

Open the KAI FLY APP. Once connected, you will see the drone's live transmission screen on your

phone.

#### 5. Clip Phone to Controller:

Securely clip your cell phone onto the remote control's phone holder to start flying with the APP interface.

## 5. MAINTENANCE

### 5.1. Replacing Wind Blades

**If a wind blade is damaged, please replace it in time to ensure safe flight.**

#### 1. Remove Damaged Blade:

Use the provided screwdriver to unscrew the screws of the damaged airfoil and carefully remove it.

#### 2. Identify New Blade:

Be careful to distinguish between 'A' and 'B' markings on the wind blades. Ensure you install the correct type (A or B) corresponding to the motor from which you removed the blade.

#### 3. Install New Blade:

Place the corresponding new airfoil onto the motor and secure it with the screws using the screwdriver.

## 6. SPECIFICATIONS

Feature	Detail
Brand	QAONIE
Model Name	K19
Age Range (Description)	Adult
Video Capture Resolution	4K
Connectivity Technology	Bluetooth
Item Weight	0.48 Pounds (7.7 ounces)
Battery Cell Composition	Lithium Ion
Product Dimensions	12.95"L x 3.74"W x 8.89"H
UPC	762849281995
Manufacturer	Shantou Kehang Intelligent Technology Co., Ltd

## 7. TROUBLESHOOTING

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If you encounter issues with your K19 GPS Drone, consider the following common solutions:

- **Drone Not Powering On:** Ensure the drone battery is fully charged and correctly inserted. Long press the power button.
- **Remote Control Not Pairing:** Ensure both the drone and remote control are powered on. Try restarting both devices. Check for any obstructions between the drone and controller.
- **Unstable Flight/Drifting:** Perform geomagnetic and gyro calibration as described in Section 3.3. Ensure you are flying in an open, unobstructed area with strong GPS signal (if in GPS mode).
- **No Camera Feed/Recording Issues:** Ensure the SD card is properly inserted and has sufficient free space. Check the APP connection if using a mobile device.
- **Damaged Propellers:** Replace any damaged wind blades immediately following the instructions in Section 5.1.

For persistent issues, refer to the full product manual or contact QAONIE customer support.

## 8. WARRANTY AND SUPPORT

Your QAONIE K19 GPS Drone comes with a manufacturer's warranty. For detailed warranty terms, conditions, and to access customer support, please refer to the official QAONIE website or the contact information provided in your product packaging. Keep your proof of purchase for warranty claims.