

KOO KOTARO 036

KOO Kotaro 036 Drone Instruction Manual

1. INTRODUCTION

Welcome to the world of drone piloting with the KOO Kotaro 036. This drone is designed as an ideal first drone for beginners, featuring a Wi-Fi camera and essential functionalities. It offers excellent value for those new to drone operation. The Kotaro 036 provides an immersive experience with its FPV Wi-Fi camera and smartphone control, allowing you to explore and capture high-definition moments from a new perspective. Integrated LED lights ensure optimal visibility in various lighting conditions. KOO is committed to environmental responsibility, equipping all its vehicles, including the Kotaro 036, with rechargeable batteries.



Image 1.1: KOO Kotaro 036 Drone, top-front view, showcasing its compact design and propellers.

2. SAFETY INFORMATION

Please read and understand all safety warnings before operating the KOO Kotaro 036 Drone.

- **Warning:** Not suitable for children under 36 months due to small parts. Choking hazard.
- This toy produces flashes that may trigger epilepsy in sensitized individuals. Exercise caution.
- Always operate the drone in open, clear areas, away from people, animals, and obstacles.
- Do not fly near airports, restricted airspace, or power lines.

- Ensure the drone's battery and remote control batteries are fully charged before each flight.
- Adult supervision is recommended for users under 14 years of age. Recommended age for use is 10 years and up.

3. WHAT'S IN THE BOX

Verify that all components are present in the packaging:

- KOO Kotaro 036 Drone
- Remote Control
- User Manual (this document)



Image 3.1: Drone and remote control inside the product box, top view.



Image 3.2: Drone and remote control inside the product box, side view.

4. SETUP

4.1. Battery Installation and Charging

1. **Drone Battery:** The KOO Kotaro 036 Drone is equipped with a rechargeable battery. Connect the drone's battery to the provided USB charging cable and plug it into a suitable USB power source (e.g., computer USB port, USB wall adapter). The charging indicator will show the charging status. Ensure the battery is fully charged before first use.
2. **Remote Control Batteries:** The universal KOO remote control requires 2 x AA batteries (not included). Open the battery compartment on the back of the remote control, insert the batteries according to the polarity markings (+/-), and close the compartment securely.

4.2. Propeller Installation (if required)

If propellers are not pre-installed, carefully attach them to the motor shafts. Ensure each propeller is placed on

the correct motor as indicated in the drone's specific diagram (refer to the included quick start guide if available). Incorrect propeller placement can prevent flight.

4.3. Wi-Fi Camera and Smartphone Connection

The Kotaro 036 features a Wi-Fi FPV camera for real-time video streaming to your smartphone.

1. Download the dedicated KOO drone application from your smartphone's app store (iOS or Android).
2. Power on the drone.
3. On your smartphone, go to Wi-Fi settings and connect to the drone's Wi-Fi network (usually named something like "KOO_DRONE_XXXX").
4. Open the KOO drone application. You should see the live video feed from the drone's camera.



Image 4.1: Top-front view of the KOO Kotaro 036 Drone, showing propeller orientation.



5. OPERATING INSTRUCTIONS

5.1. Pairing the Drone and Remote Control

1. Place the drone on a flat, level surface.
2. Turn on the drone's power switch. The LED lights on the drone will blink.
3. Turn on the remote control.
4. Push the left joystick (throttle) all the way up, then all the way down. The remote control will beep, and the drone's LED lights will become solid, indicating successful pairing.

5.2. Basic Flight Controls

The KOO Kotaro 036 uses a 2.4 GHz remote control for stable signal transmission.

- **Take-off/Landing:** After pairing, press the one-key take-off button (if available) or slowly push the left joystick up to ascend. To land, slowly pull the left joystick down or press the one-key landing button.
- **Ascend/Descend:** Use the left joystick (throttle) to control altitude. Push up to ascend, pull down to descend.
- **Forward/Backward:** Use the right joystick to move the drone forward or backward.
- **Left/Right (Sideways Flight):** Use the right joystick to move the drone left or right sideways.
- **Turn Left/Right (Yaw):** Use the left joystick (left/right movement) to rotate the drone clockwise or counter-clockwise.

5.3. Advanced Features

- **FPV (First Person View) & Smartphone Control:** Once connected via Wi-Fi (Section 4.3), you can view the live camera feed and control the drone directly from the KOO app on your smartphone.
- **LED Lights:** The integrated LED lights provide visibility and an aesthetic appeal, especially during low-light flights.
- **Speed Modes:** The drone may feature multiple speed modes (e.g., low, medium, high). Refer to the remote control diagram for the speed switch button.



Image 5.1: Side view of the KOO Kotaro 036 Drone, showing its profile during flight.

6. MAINTENANCE

6.1. Cleaning

- Gently wipe the drone's body with a soft, dry cloth to remove dust and debris.
- Avoid using water or chemical cleaners, as they can damage electronic components.
- Inspect propellers for any damage or foreign objects after each flight. Replace damaged propellers immediately.

6.2. Battery Care

- Do not overcharge or over-discharge the drone's rechargeable battery.
- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- If the drone will not be used for an extended period, charge the battery to about 50% before storage.

6.3. Storage

When not in use, store the drone and its components in a safe, dry place, preferably in its original packaging or a protective case, to prevent damage.

7. TROUBLESHOOTING

If you encounter issues with your KOO Kotaro 036 Drone, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drone does not power on.	Drone battery is not charged or not connected.	Ensure the drone battery is fully charged and properly connected.
Remote control does not power on.	Remote control batteries are dead or incorrectly installed.	Replace remote control batteries with new ones and check polarity.
Drone does not pair with remote.	Incorrect pairing procedure or interference.	Repeat the pairing procedure (Section 5.1). Ensure no other 2.4GHz devices are causing interference.
Drone is unstable during flight.	Propellers are damaged or incorrectly installed; drone not calibrated.	Check and replace damaged propellers. Ensure propellers are installed correctly. Perform a drone calibration (refer to quick start guide for specific steps).
No FPV video feed on smartphone.	Wi-Fi not connected or app issue.	Ensure your smartphone is connected to the drone's Wi-Fi network. Restart the app and drone.

8. SPECIFICATIONS

Feature	Detail
Model Name	KOTARO 036
Manufacturer Reference	KAB-KOO-0036
Product Dimensions (L x W x H)	16 x 20 x 6 cm
Weight	0.86 grams (Note: This weight seems unusually low for a drone of this size, please verify with product packaging if actual weight is critical.)
Recommended Age	10 years and up
Main Material	Plastic
Color	Black and Green
Remote Control Included	Yes
Drone Battery	Rechargeable (included)

Feature	Detail
Remote Control Batteries	2 x AA (not included)
Connectivity Technology	Wi-Fi (for FPV)
Video Recording Resolution	720p
Video Capture Format	MP4
Control Type	Remote Control

9. PRODUCT VIDEOS

Watch these official product videos for visual guidance on setup and operation.

Video 9.1: KOO Kotaro 036 Drone overview and features (0:32 duration).

Video 9.2: Demonstration of KOO Kotaro 036 Drone flight and controls (0:45 duration).

Video 9.3: KOO Kotaro 036 Drone camera and FPV features (0:51 duration).