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Acouto S60

User Manual for Acouto Foldable Drone S60

Model: S60

1. Introduction

Thank you for choosing the Acouto Foldable Drone S60. This drone features a 4K camera, dual camera switching, and intelligent flight modes controlled via a dedicated mobile application. Its foldable design ensures portability and ease of storage. Please read this manual carefully before operating the drone to ensure safe and optimal performance.

2. What's in the Box

Verify that all the following components are included in your package:

- Foldable Drone S60
- Remote Control
- Propeller Guards (4x)
- Spare Propellers (2x pairs)
- USB Charging Cable
- Screwdriver
- User Manual (this document)



Image: All components included in the Acouto S60 drone package.

3. Setup

3.1 Charging the Drone Battery

1. Connect the USB charging cable to the drone's charging port.
2. Plug the other end of the USB cable into a 5V/1A USB power adapter (not included).
3. The charging indicator light will show the charging status. Charging time is approximately 60 minutes.

3.2 Installing Remote Control Batteries

- Open the battery compartment on the back of the remote control.
- Insert 3 AA batteries (not included) according to the polarity markings.

- Close the battery compartment.

3.3 Unfolding the Drone

Gently unfold the drone arms until they click into place. Ensure all four arms are fully extended before flight.



Image: The Acouto S60 drone in its unfolded state with propeller guards and remote control.

3.4 Attaching Propeller Guards

For added safety, attach the propeller guards to each motor arm. Align the guard with the designated slots and push gently until secure.

3.5 Downloading the APP

Scan the QR code provided in the quick start guide or search for the official designated APP in your mobile app store. Install the APP on your smartphone.

3.6 Pairing the Drone

1. Place the drone on a flat, level surface.
2. Turn on the drone's power switch. The indicator lights will flash.
3. Turn on the remote control.
4. Push the left joystick up then down. The drone lights will stop flashing, indicating successful pairing.
5. On your smartphone, connect to the drone's Wi-Fi network (usually named 'WIFI_UFO_XXXXXX').
6. Open the installed APP to view the FPV feed and access advanced controls.

4. Operating

4.1 Basic Flight Controls

- **Take-off/Landing:** Press the one-key take-off/landing button on the remote control or within the APP.
- **Altitude Control:** Use the left joystick (throttle) to control the drone's ascent and descent.
- **Directional Control:** Use the right joystick to move the drone forward, backward, left, and right.
- **Rotation:** Use the left joystick (left/right) to rotate the drone clockwise or counter-clockwise.

4.2 Camera Operation

The drone is equipped with a 4K front camera and a high-definition bottom camera.

- **Switching Cameras:** Use the dedicated button on the remote control or the APP interface to switch between the front and bottom cameras.
- **Adjusting Front Camera Angle:** The front camera can be remotely controlled to adjust its angle by 45 degrees for versatile perspectives.
- **Zoom Function:** Utilize the new generation lens zoom technology via the remote control to zoom in on distant scenes.



Image: Detailed view of the drone's 4K front camera.

4.3 APP Functions

The official designated APP provides comprehensive control and editing features:

- **MV Online Production:** Edit photos and videos taken with the drone in real-time within the APP. Add various filters and special effects.
- **Sharing:** Support sharing your edited photos and videos directly with friends and family from the APP.
- **Track Pointing:** Activate this function in the APP, draw a desired flight path on your screen, and the drone will automatically fly along the specified track without remote control input.

4.4 Night Cruise Light

The drone is equipped with a night cruise light, allowing for visibility and operation in low-light conditions or at night.

5. Maintenance

5.1 Cleaning the Drone

Regularly clean the drone body and propellers with a soft, dry cloth. Avoid using liquids or harsh chemicals.

5.2 Propeller Replacement

If propellers are damaged, replace them immediately using the spare propellers and screwdriver provided. Ensure the correct propeller (A or B) is installed on the corresponding motor arm.

5.3 Battery Care

- Do not overcharge or over-discharge the drone battery.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.

- If not used for an extended period, charge the battery to about 50% capacity before storage.

5.4 Storage

The drone features a convenient foldable design for easy storage. When not in use, fold the arms and store the drone and accessories in a protective case to prevent damage.



Image: The Acouto S60 drone and its remote control stored in a compact carrying case.

6. Troubleshooting

Problem	Possible Cause	Solution
Drone does not power on	Low battery; Power switch off	Charge drone battery; Ensure power switch is ON
Remote control not responding	Low remote battery; Not paired	Replace AA batteries; Re-pair drone and remote (Section 3.6)
Unstable flight / Drifting	Not calibrated; Damaged propeller	Perform gyroscope calibration (refer to APP instructions); Replace damaged propellers
No FPV feed in APP	Not connected to drone Wi-Fi; APP not open	Connect phone to drone's Wi-Fi network; Open the designated APP
Short flight time	Battery not fully charged; Old battery	Ensure full charge; Consider replacing battery if performance degrades significantly

7. Specifications

Feature	Detail
Product Model	S60
Product Frequency	2.4G
Unfolded Size	Approx. 26x27x6cm / 10.2x10.6x2.4in
Folded Size	Approx. 14x14x6cm / 5.5x5.5x2.4in
Body Charging Method	USB Interface
Camera Mode	FPV (First Person View)
Fuselage Battery Capacity	3.7V 2000mAh Lithium Battery (Built-in)
Flight Time	About 20 Minutes
Airframe Charging Time	60 Minutes
Remote Control Batteries	3 AA Batteries (Not included)
Remote Control Distance	150m / 492.1ft
Video Resolution	2048x1080
Item Weight	Approx. 418g / 14.7oz
Product Dimensions	9.44 x 7.08 x 2.75 inches (packaged)
Manufacturer	Acouto

8. Warranty and Support

For warranty information, please refer to the documentation provided with your purchase or visit the official Acouto website. If you encounter any issues or require technical assistance, please contact Acouto customer support through their official channels.

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