

Korffe SQN-051

Korffe Mini Drone SQN-051 User Manual

Model: SQN-051

1. INTRODUCTION

Thank you for choosing the Korffe Mini Drone SQN-051. This compact and easy-to-operate drone is designed for children and beginners, featuring colorful LED lights and various flight functions. Please read this manual thoroughly before operating the drone to ensure safe and correct usage.

2. SAFETY INFORMATION

- **Age Recommendation:** This drone is suitable for users aged 6 years and above. Adult supervision is recommended for younger children.
- **Flight Environment:** Operate the drone in open, clear areas, away from people, animals, and obstacles. Avoid flying near water, heat sources, or electrical wires.
- **Propeller Safety:** Keep fingers, hair, and loose clothing away from rotating propellers. The drone features propeller guards for enhanced safety.
- **Battery Safety:** Use only the provided rechargeable batteries. Do not overcharge, puncture, or expose batteries to extreme temperatures. Dispose of batteries responsibly.
- **Remote Control Batteries:** The remote control requires three AAA batteries (not included). Ensure correct polarity when installing.
- **Automatic Landing:** The drone is equipped with an automatic landing feature when the battery is low to prevent sudden falls.

**Kinderfreundliche Propellerabdeckung,
sicherer und haltbarer**



Sicherheit



**Automatische Landung,
wenn die Batterie
ausläuft, zu vermeiden,
fallen nach unten.**

Image: The Korffe Mini Drone demonstrating its safety features, including propeller guards and automatic landing capability.

3. PACKAGE CONTENTS

Please check the package to ensure all items are present:

- Korffe Mini Drone SQN-051
- Remote Control
- Rechargeable Drone Batteries (3 pieces)
- USB Charging Cable
- Spare Propellers (8 pieces, in two different colors for customization)
- Propeller Removal Tool



Image: An illustration of the Korffe Mini Drone package contents, showing the drone, remote control, multiple batteries, charging cable, and spare propellers.

4. SETUP

4.1 Charging the Drone Batteries

1. Connect the drone battery to the USB charging cable.
2. Plug the USB charging cable into a USB power adapter (e.g., computer USB port, phone charger).
3. The indicator light on the USB cable will show charging status (refer to cable instructions for specific light behavior).

4. Charging typically takes 60-90 minutes. Do not leave batteries charging unattended.
5. Each fully charged battery provides approximately 10 minutes of flight time. The package includes three batteries for extended play.

4.2 Installing Drone Batteries

1. Locate the battery compartment on the drone.
2. Carefully insert a charged battery into the compartment, ensuring it is securely connected.
3. Close the battery compartment cover.

4.3 Installing Remote Control Batteries

1. Open the battery compartment on the back of the remote control.
2. Insert three AAA batteries (not included), observing the correct polarity (+/-).
3. Close the battery compartment cover.

4.4 Propeller Installation/Replacement

The drone comes with propellers pre-installed. If replacement is needed:

1. Identify the correct propeller type (A or B) for each motor. Propellers are typically marked.
2. Use the propeller removal tool to gently detach the damaged propeller.
3. Align the new propeller with the motor shaft and press down firmly until it clicks into place. Ensure it spins freely.

4.5 Pairing the Remote Control

1. Place the drone on a flat, level surface.
2. Turn on the drone by pressing its power button. The drone's lights will flash.
3. Turn on the remote control.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone's lights will stop flashing and remain solid, indicating successful pairing.

Ausgezeichnete Nutzungserfahrung



**Lange Batterielevensdauer:
(3 Batterien, 3*10min=30min)**

**Einfache Bedienung, eine Taste
zum Abheben und Landen.**

Image: A child demonstrating the ease of use of the Korffe Mini Drone, highlighting its one-button take-off and landing feature and long battery life with multiple included batteries.

5. OPERATING INSTRUCTIONS

5.1 Basic Flight Controls

- **One-Button Take-off:** After pairing, press the one-button take-off button on the remote control. The drone will automatically ascend and hover at a stable altitude.
- **One-Button Landing:** Press the one-button landing button. The drone will automatically descend and land gently.
- **Throttle (Left Joystick Up/Down):** Controls the drone's altitude. Push up to ascend, pull down to descend.
- **Direction (Right Joystick):** Controls forward, backward, left, and right movement.

- **Yaw (Left Joystick Left/Right):** Rotates the drone left or right on its vertical axis.

5.2 Speed Adjustment

The drone features three-gear speed adjustment. Press the speed button on the remote control to cycle through low, medium, and high speeds. Start with low speed for beginners.

5.3 Special Functions

- **360° Flip:** While flying, press the 360° flip button (often indicated by an arrow circle) and then push the right joystick in the desired flip direction. The drone will perform a full rotation.
- **Ring Flight:** This function allows the drone to fly in a circular path. Refer to the remote control diagram for the specific button or combination.
- **Colorful LED Lights:** The drone features 6 types of adjustable colorful lights. Use the designated light button on the remote control to switch between different light modes and colors. These lights are particularly vibrant in low-light conditions.

Bunte Lichter

6 verschiedene Arten von atmenden Lichtern, mehr funkeln, mehr auffällig



Fernbedienung kann verwendet werden, um die Art von Licht frei zu wechseln



Image: The Korffe Mini Drone showcasing its vibrant, adjustable LED lights during flight, enhancing visibility and visual appeal, especially in darker environments.

Stunt-Funktion

Ringflug



Image: Two children enjoying the Korffe Mini Drone as it performs stunt functions like 360-degree flips and ring flights, illustrating its acrobatic capabilities.

5.4 Indoor and Outdoor Use

The Korffe Mini Drone is suitable for both indoor and outdoor use. For outdoor flights, choose calm weather conditions with minimal wind to maintain stable flight.

Ausgezeichnete und stabile Leistung



**Aufgerüstete
Version**



Stabiler Flug



**2.4GHZ Automatische
Verbindung**

Image: Two children operating Korffe Mini Drones outdoors, highlighting the drone's stable flight performance and 2.4GHz automatic connection for reliable control.

6. MAINTENANCE

6.1 Propeller Cleaning and Replacement

Periodically check propellers for any tangled hair or debris. The removable wing design allows for easy cleaning. Use the provided tool to carefully remove propellers for cleaning or replacement if damaged.

6.2 Battery Care

- Always fully charge batteries before use.

- Do not store batteries in extreme temperatures.
- If the drone will not be used for an extended period, remove batteries from both the drone and the remote control.

7. TROUBLESHOOTING

- **Drone not responding to remote:** Ensure both drone and remote are powered on and properly paired. Check remote control batteries.
- **Drone not taking off/flying unstable:** Ensure drone is placed on a flat, level surface before powering on and pairing. Check for damaged propellers and replace if necessary. Ensure drone battery is fully charged.
- **Short flight time:** Ensure drone battery is fully charged. Flight time can be affected by aggressive flying or strong winds.
- **Lights not working:** Check if the light function is activated on the remote control.
- **Drone drifts during flight:** Perform a calibration by placing the drone on a flat surface and following the calibration procedure (refer to remote control instructions, usually involves holding both joysticks down and to a corner).

8. SPECIFICATIONS

Feature	Detail
Brand	Korffe
Model Name	SQN-051
Color	Blue-White
Video Capture Resolution	Does not support video recording
Connectivity Technology	Wi-Fi (for control signal)
Battery Capacity	450 mAh
Battery Cell Composition	Lithium Ion
Batteries Included	Yes (3 rechargeable drone batteries)
Remote Control Included	Yes
Rechargeable Battery Included	Yes
Product Dimensions (L x W x H)	19 x 7.9 x 13.4 cm
UPC	724087127893
Manufacturer	SHANTOU SIQINUO TECHNOLOGY CO.,LTD

9. WARRANTY AND SUPPORT

Korffe is committed to providing 100% customer satisfaction. If you encounter any questions or problems with your Mini Drone SQN-051, please do not hesitate to contact our customer service team. We guarantee to address and resolve your issue within 24 hours.

For support, please refer to the contact information provided with your purchase or visit the official Korffe website.