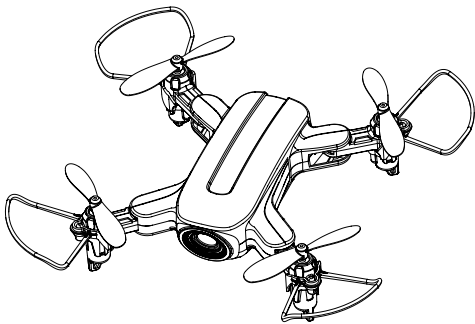# 2.4G G-Sensor Control
Foldable Spider Drone

USER MANUAL

Model: GD96   **SKU: SBA-00139** (without Camera)
                   SBA-00140 (4K HD Stills Camera/
                   1080p FHD Video Camera)

> ⚠️ **CAUTION: This product is not a toy.** This is not intended for use by children under the age of 14. For your safety, please read this user manual carefully and thoroughly before using this product.
>
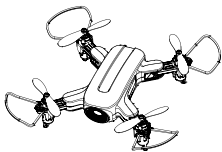> Please keep this manual somewhere safe for future reference.
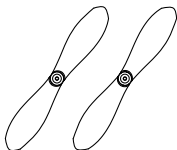
♻️ 🔄 UKCA CE 0-3 🗑️ FC
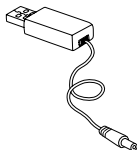
What's Included

1x Foldable Spider Drone (rechargeable battery included)
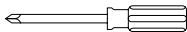
1x Remote Control (3x AAA batteries not included)

2x Backup Propellers

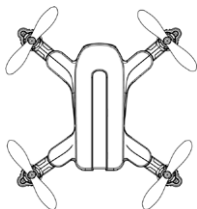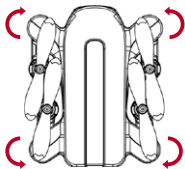1x USB Charger

1x Screwdriver

1x User Manual

Please Note

Please carefully check the number of accessories shown above are not missing. Please provide proof of purchase and contact the retailer for any replacement parts if they are missing.

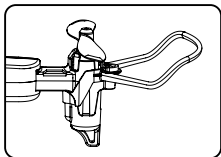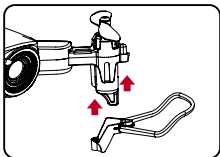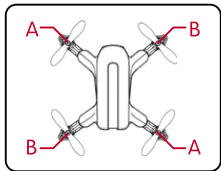# Pre-Flight Preparation

1. Opening the Wings

Wings now extended

2. Attaching the Protective Guard

Align the protective guard with the bottom of the motor and firmly press it into place.

3. Attaching the Propellers

A   B

B   A
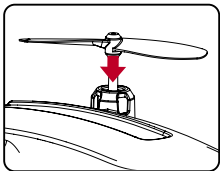
Align the propellers to the motor shaft and press them in until firmly attached (match Propeller **A** with Shaft **A** and Propeller **B** with Shaft **B**).

4. Battery Charging for the Drone
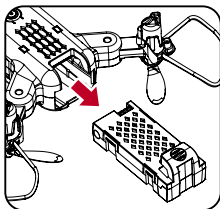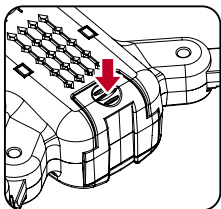
A. Remove the rechargeable lithium battery pack from the bottom at the drone.
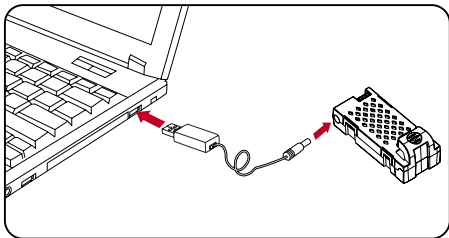
B. Connect the USB charger with the charging port of the lithium battery pack.

Please Note

Battery pack's red LED indicator light will be off whilst charging and it will only switch on when fully charged. Charging time is about 150 minutes. The drone's operation time is about 7 minutes.

Battery Pack Guidelines

- There is a certain risk when using the drone's lithium battery. It may potentially cause a fire, body injury or property damage. Users must be aware of these risks and take full responsibility in ensuring the battery isn't improperly used.

- If battery leakage occurs, please avoid electrolyte discharge making contact with your eyes or skin. If it happens, please wash your eyes thoroughly with clean water and immediately seek medical care.

- Please immediately remove the battery from the drone if you sense any peculiar smell, noise or smoke coming from it.

Battery Pack Charging

- Please use the originally supplied USB charger to ensure your safety and minimise any potential risks.

- Do not charge a dilatant or outworn battery.

- Do not overcharge the battery. Please unplug the USB charger once the battery is fully charged.

- Do not charge the battery next to inflammables such as carpet, wooden floor, wooden furniture or on the surface of electro-conductive objects. **Please always keep an eye on the battery when charging.**

- Do not charge the battery when it's not yet properly cooled down.

- The battery's charging temperature should be between 0°C to 40°C.

Battery Recycling

- Do not dispose the battery as household rubbish. Please take it to a battery recycling point at a recycling centre local to you. Alternatively you can take it to a specific recycling collection point in a supermarket, a DIY centre or local shop.

Remote Control Overview
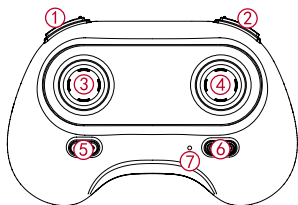
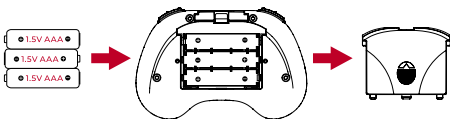① **High / Low Speed**

② **One-key Flips & Rolls 360°**

③ **Left Joystick** (press and hold down for 'Headless Mode')

④ **Right Joystick** (press and hold down for 'Fine-tuning Mode')

⑤ **One-key Start / Landing** (long press for emergency stop)

⑥ **Power Switch**

⑦ **Indicator Light**

Inserting AAA Lithium Batteries

Open the battery cover and correctly insert the 3x AAA batteries according to the +/- electrode markings. (please note that batteries for the remote control are not included).

Please Note

1. Make sure the batteries are loaded correctly according to the polarity markings in the battery compartment.
2. Please do not mix old and new batteries together.
3. Please do not mix different types of batteries together.

Transmitter and Receiver signal connection
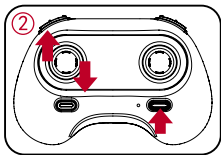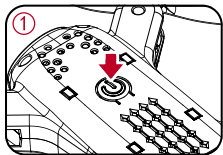
① Turn on the drone and place it on a level surface, the drone's indicator light should start to slowly blink, which indicates it's waiting for pairing.

② Switch on the remote controller. When the remote controller's indicator light blinks, move the left joystick upwards and you'll hear a beep sound. Then move it downwards and you'll hear another beep sound. When both the remote controller's and drone's indicator light appear solid, this will indicate pairing has been successful.

Begin flying using 'One Key Start'

Press the 'One Key Start/ Landing' button as shown on the right and the drone's propellers will start to rotate.
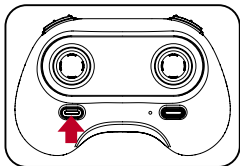
Basic Flight Controls

Use the left joystick to control the flight altitude (ascent or descent) and to rotate around to the left or right. The right joystick lets you control to go forwards or backwards as well as being able to bank to the left-hand side / right-hand side.

Left Joystick

Ascent

Descent

Rotate Left

Rotate Right

Right Joystick

Forwards

Backwards

Bank Left

Bank Right
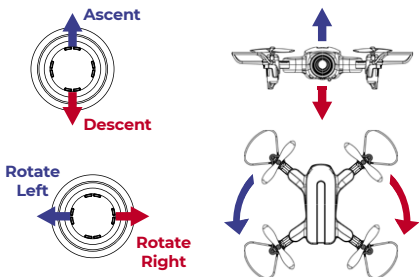
Basic Flight Controls

Flips & Rolls

When the drone is flying above 3 metres high, you can press the '360° flips and rolls' button and move the right joystick to any specific direction you want which will make the drone rotate in that chosen direction.

360° flips and rolls
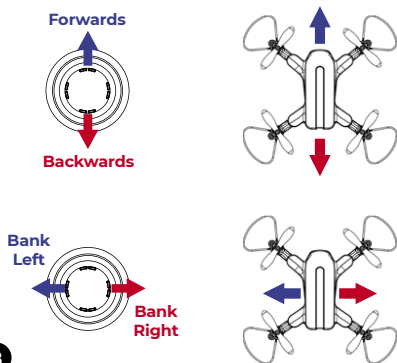
Forwards

Bank right

Bank left

Backwards
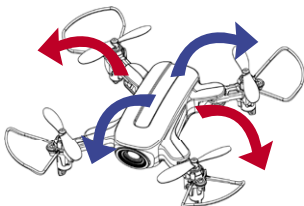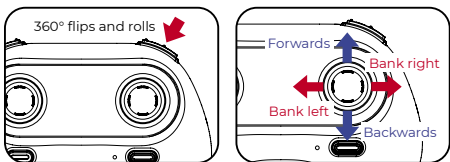
Hover

When you let go of the left joystick (throttle) after the drone has ascended / descended, the drone will stay still hovering in mid-air until you next move one of the joysticks again.
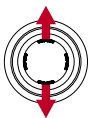
Left Joystick – once you let go of this, the drone will stay still hovering in mid-air

Headless Mode

Using 'Headless Mode' helps to make it easier and safer to learn how to fly a drone especially if you are a beginner. The drone will automatically fly in the direction you want it to regardless of the direction it's facing. This is particularly useful if you're unsure what the drone's orientation is if you can't tell from a long distance away from you.

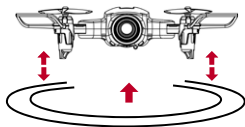1. The drone is by default in 'common / normal' mode as the drone's indication light will be visibly on. When you press the 'headless mode' function key on the remote control, you'll hear a short beep sound that will indicate the drone has entered into headless mode. When you next press the headless mode function key again, you'll then hear a long beep sound that indicates the drone has now come out of headless mode and is back to it's default setting.

2. In headless mode, you as the operator don't need to worry about identifying the direction of the drone's nose is facing, which just leaves you to easily control the direction of the drone you want it to fly to. If you move the drone to the left or right, it will move to your left or right.
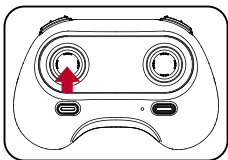
Left Joystick – press this down to enter / exit 'headless mode'

One-key Landing Mode

Press the 'One-key Start / Landing' button on the remote control to make the drone automatically slowly descend until landing on the ground and switch itself off.
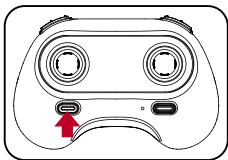
Fine-tuning Mode

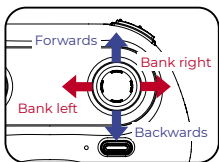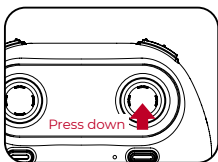When the drone spins uncontrollably or 'yaws' in the air, please use the fine-tuning mode. Press down the right joystick and push the joystick to the opposite direction the drone is spinning or yawing, e.g. push right if spinning to the left). You should now be able to fine-tune the direction until the drone stays oriented.

Please Note

When the drone is within 30cm from the ground, it's stability will be affected by the 'propeller blade vortex' made by itself and become unstable. This is known as "ground effect" where the lower the drone is, the greater this effect will be. To minimise ground effect, either fly higher / ascend the drone away from the ground or choose to land it to prevent it crashing down by using the 'one-key landing mode'.

Emergency Stop

Press and hold down the 'Emergency Stop' button which will make the drone immediately stop flying.
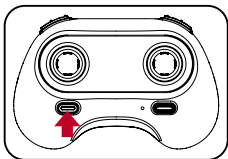
Frequently Asked Questions

Problems	Causes	Solutions
Control failure	The drone's battery pack isn't correctly installed	Remove the battery pack and re-install the right way in
	Wind is too strong	Do not fly on windy days. The drone's performance will become less stable and risk it crashing
Fails to ascend	The rotation speed of main propeller blades is too slow	Push up the left joystick (throttle)
	The drone's battery pack is not fully charged	Please fully charge the battery pack
Landing too soon	The left / throttle joystick is being pulled down too quickly	Gently pull down the throttle joystick slower to perform a smoother landing
Out of control	The drone is too far away from the effective controllable distance	Ensure drone operation is within the controllable distance: using the remote control is up to 100 metres while using Wi-Fi app control is up to 50 metres only

Drone control using Wi-Fi App

Install the Drone's App

1. Search "WiFi_Cam" in the Apple's App Store or Google Play to get the app.

2. Alternatively, you can scan the QR code to download the app.

Pairing the Drone using the App

1. Turn on the drone and place it on a level surface, the drone's indicator light should start to slowly blink, which indicates it's waiting for pairing.

2. Open your smart device's settings menu, open the Wi-Fi options and look for a network called "WIFI_____XXX". Select and connect to this network. Exit the settings menu.

3. Open the app and click the "START" icon displayed in the control interface.

Drone control using Wi-Fi App

WiFi_Cam App Interface

- Back Button
- Video Mode
- Photo Mode
- Flight Path
- Acrobat
- Left Joystick
- Headless Control
- Calibration
- Motion Control
- Rotate Trim
- Emergency Stop
- Media
- Switch between two cameras
- VR First Person View
- Gesturing
- Display Reverse
- Full Screen
- Hidden Menu
- Left / Right Trim
- Forward / Reverse Trim
- Auto-Hover
- Right Joystick
- One-Key Take Off
- Zoom
- One-Key Landing
- Add Music
- Speed

Download the instructions in other languages
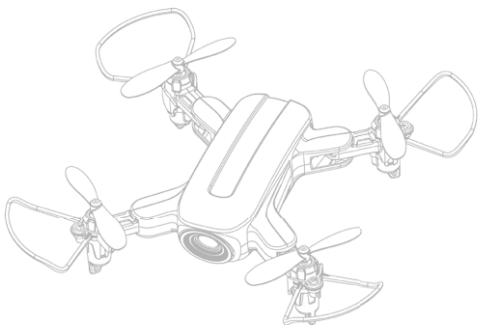
Mode d'emploi en Français

Instrucciones en Español

Instrukcja w języku polskim

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