

suangrc F205

suangrc F205 Drone User Manual

Model: F205

1. INTRODUCTION

The suangrc F205 Drone is an advanced FPV drone designed for both beginners and experienced users, featuring a 2.4-inch screen on the remote control for direct live footage viewing. Equipped with a brushless motor, auto-hover functionality, and gesture control, it offers a stable and intuitive flight experience. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your F205 Drone.



Image 1.1: The F205 Drone with its integrated 2.4-inch screen remote controller.

2. WHAT'S IN THE BOX

Please verify that all the following components are included in your package:

- Drone x1
- Remote Control x1
- Battery x1
- Propeller blade x4
- Screwdriver x1
- SD Card (8GB) x1
- Parking apron x1
- Instructions (User Manual) x1
- Handbag x1
- Charging Line x1

- Spare Screws x2
- Card Reader x1



Image 2.1: All components included in the F205 Drone package.

3. SETUP

3.1 Battery Installation and Charging

The F205 Drone uses a Lithium Ion battery. Ensure the battery is fully charged before first use.

1. Insert the fully charged battery into the drone's battery compartment until it clicks into place.
2. To charge the battery, connect the provided charging line to the drone's charging port (USB Type-C) and a suitable USB power source.
3. The remote control also has a built-in rechargeable battery. Charge it using its dedicated charging port.

Funcionamiento Eficiente

El tiempo de vuelo con una sola batería alcanza los 16



Batería modular emparejada con motor sin escobillas de alta eficiencia y bajo consumo de energía



Image 3.1: The modular battery and high-efficiency brushless motor of the F205 Drone.

USB Type-C

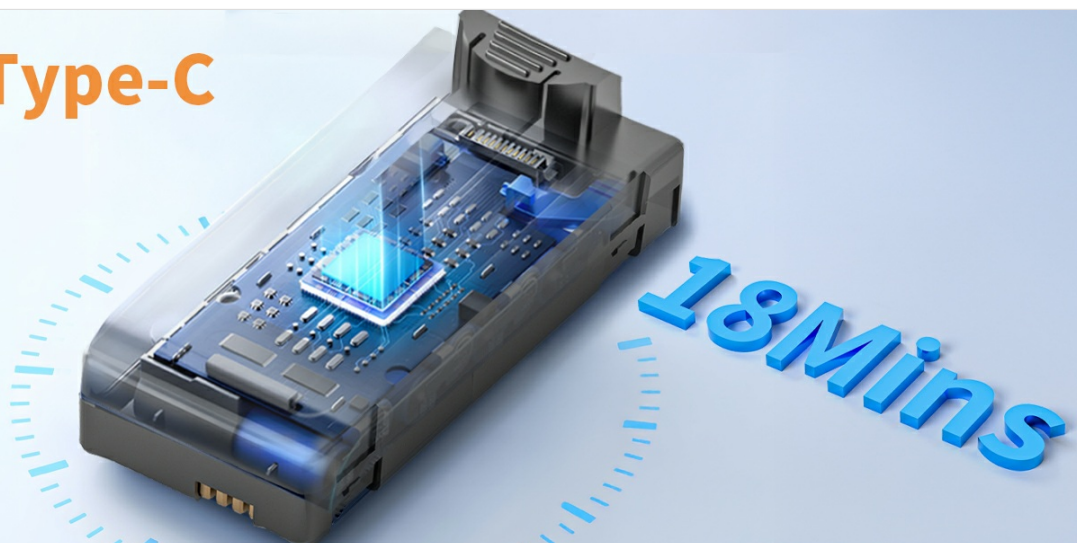


Image 3.2: The F205 Drone battery features USB Type-C charging for convenience.

3.2 SD Card Installation

The drone comes with an 8GB SD card for storing photos and videos. It supports up to a 32GB SD card.

1. Locate the SD card slot on the drone.
2. Gently insert the provided 8GB SD card into the slot until it clicks. Ensure it is inserted in the correct orientation.
3. To remove, gently press the SD card to eject it.

Ampliar el almacenamiento y grabar cosas más emocionantes

Soporta hasta 32 GB de tarjeta SD



Image 3.3: Proper insertion of the 8GB SD card into the drone's slot.

Supports a maximum of 32GB Memory card



Image 3.4: The F205 Drone supports memory cards up to 32GB for extended storage.

3.3 Propeller Installation

The drone comes with four spare propeller blades. Ensure they are installed correctly.

1. Identify the correct propeller for each motor arm (usually marked A or B).
2. Attach the propellers firmly to the motor shafts. Use the provided screwdriver if necessary.

4. OPERATING INSTRUCTIONS

4.1 Powering On and Pairing

1. Place the drone on a flat, level surface.
2. Press and hold the power button on the drone until the indicator lights turn on.
3. Turn on the remote control. The remote and drone will automatically pair.

4.2 Basic Flight Controls

The F205 Drone features intuitive controls for easy operation.

- **One-Key Start/Land:** Press the one-key start/land button on the remote control to automatically take off or land the drone.
- **Auto-Hover:** The optical flow technology allows the drone to maintain a stable hover when controls are released, making it easier to focus on capturing footage.
- **Headless Mode:** In headless mode, the drone's orientation is relative to the pilot, simplifying control regardless of the drone's front direction.
- **Speed Adjustment:** The drone offers 3 different speed modes to suit various flying conditions and skill levels.

Posicionamiento de flujo óptico, vuelo estacionario



Image 4.1: The F205 Drone utilizes optical flow positioning for stable hovering and features one-key takeoff and landing.

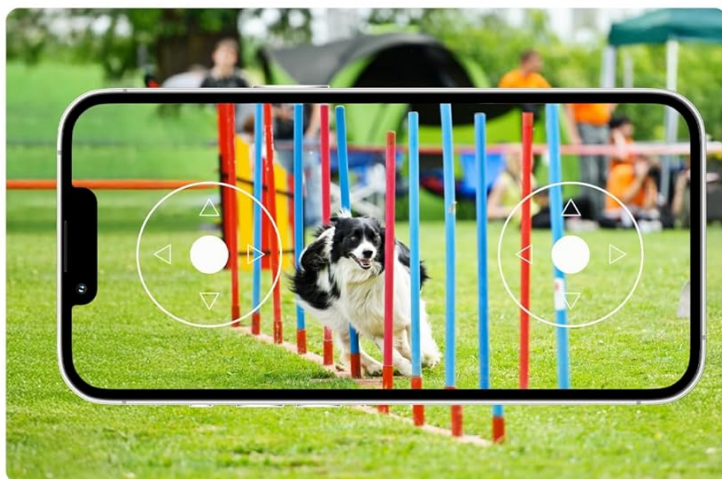
4.3 Camera Operation and FPV

The F205 Drone is equipped with a 1080p HD camera and a 2.4-inch FPV screen on the remote control.

- **Live View:** The 2.4-inch screen on the remote control provides a real-time FPV (First Person View) feed from the drone's camera, eliminating the need for a smartphone.
- **Photo/Video Capture:** Use the dedicated buttons on the remote control to take photos or start/stop video recording.
- **Offline Playback:** Captured footage is saved directly to the included 8GB SD card and can be replayed instantly on the remote's screen.

Cámara HD 1080P

Mando a distancia y el teléfono móvil puede ver



Pantalla LCD de 2,4 pulgadas

Image 4.2: Close-up of the 1080p HD camera and the live view on the 2.4-inch screen.

Mando a distancia con pantalla de 2,4 pulgadas

Vista en directo de un vistazo, más fácil de manejar



Image 4.3: The remote control's 2.4-inch screen provides a direct live view, simplifying operation.

4.4 Advanced Features

- **Gesture Control:** Perform specific hand gestures to trigger actions like taking photos or starting video recording. Refer to the quick start guide for specific gestures.
- **3D Flips:** Execute impressive aerial acrobatics with a single button press.
- **Tap Fly:** (If applicable) Draw a path on the remote's screen, and the drone will follow it automatically.



Image 4.4: The F205 Drone supports Gravity Control, 3D Flips, and Tap Fly functions for dynamic flight.

5. MAINTENANCE

5.1 General Care

- Keep the drone and remote control clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the drone to extreme temperatures, direct sunlight, or moisture.
- Store the drone in its carrying bag when not in use to protect it from damage.

5.2 Battery Care

- Always use the original charging cable provided.
- Do not overcharge or over-discharge the battery.
- If storing the drone for an extended period, charge the battery to approximately 50% to prolong its lifespan.

5.3 Propeller Inspection and Replacement

- Regularly inspect propellers for any signs of damage, cracks, or bends. Damaged propellers can affect flight stability.
- Replace any damaged propellers immediately using the spare blades provided and the screwdriver. Ensure correct propeller type (A or B) is used for each motor.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on.	Battery is not installed correctly or is depleted.	Ensure battery is fully charged and properly inserted.
Drone does not respond to remote control.	Not paired, out of range, or remote battery low.	Re-pair the drone and remote. Ensure remote control battery is charged. Fly within operational range.
Drone is unstable during flight.	Damaged propellers, uncalibrated sensors, or strong winds.	Check and replace damaged propellers. Recalibrate the drone's sensors (refer to quick start guide). Avoid flying in strong winds.
Low battery alarm immediately after takeoff (even with full charge).	Battery degradation or connection issue.	Try a different battery if available. Ensure battery contacts are clean and secure. If problem persists, contact customer support.
Poor camera quality or blurry images.	Lens dirty, insufficient lighting, or camera vibration.	Clean the camera lens gently. Ensure adequate lighting conditions. Check for any loose parts causing vibration.
SD card not recognized or unable to save.	SD card not inserted correctly, corrupted, or full.	Reinsert the SD card. Format the SD card (this will erase data). Try a different compatible SD card.







7. SPECIFICATIONS

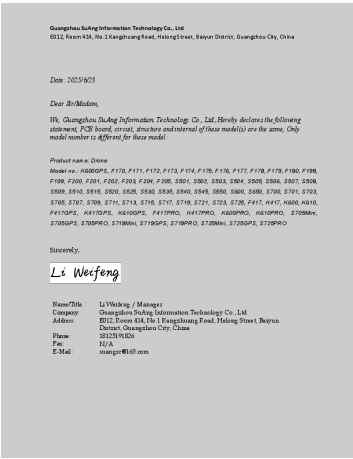
Feature	Detail
Brand	suangrc
Model Name	RM (F205)
Color	Black
Video Capture Resolution	1080p

Feature	Detail
Connectivity Technology	Wi-Fi
Item Weight	440 Grams (15.5 ounces)
Video Capture Format	MP4
Control Type	Remote Control, Gesture Control
Battery Cell Composition	Lithium Ion
Rechargeable Battery Included	Yes
Product Dimensions	8"L x 6.7"W x 3.1"H
Optical Sensor Technology	Optical Flow, CMOS
SD Card Support	Up to 32GB (8GB included)
Remote Control Screen	2.4" LCD Screen

8. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your suangrc F205 Drone, please refer to the contact information provided on the product packaging or visit the official suangrc website. Keep your purchase receipt as proof of purchase for warranty claims.

	<p>Jøtul F200/F205 Declaration of Performance</p> <p>Declaration of Performance for Jøtul F200 and F205 wood-burning room heaters, detailing technical specifications, safety distances, performance, and emissions according to EN 13240.</p>
	<p>Smartrise Fault Table & Troubleshooting Guide</p> <p>This Smartrise Fault Table & Troubleshooting Guide provides detailed information on elevator control system fault codes, their causes, and step-by-step remedies for efficient diagnosis and repair.</p>
	<p>Produkty Wykluczone z Rabatu - Fluke, Lexmark, Philips, Chauvin Arnoux</p> <p>Lista produktów wykluczonych z rabatu, obejmująca pirometry Fluke 62 MAX, jednostki zwrotne tonera Lexmark 56F0Z00, lampy Philips GU10 oraz mierniki Chauvin Arnoux F205.</p>
	<p>Smartrise Fault Table & Troubleshooting Guide - Elevator Control Systems</p> <p>This Smartrise Fault Table & Troubleshooting Guide provides detailed information on fault codes, their causes, and resolution steps for Smartrise elevator control systems. Essential for technicians performing maintenance and repair.</p>
	<p>Chauvin Arnoux Education & Laboratory Selection 2025 Catalog</p> <p>Explore the Chauvin Arnoux 2025 catalog for educational and laboratory measurement instruments, covering electrotechnics, electronics, energetics, automotive, maintenance, and physics-chemistry. Find detailed product information and solutions for teaching and research.</p>
	<p>BMW F92 M8 Coupe Fuse Assignment and Wiring Diagram</p> <p>Detailed fuse assignment and functional description for the BMW F92 M8 Coupe, including fuse box locations, amperage ratings, and system associations.</p>



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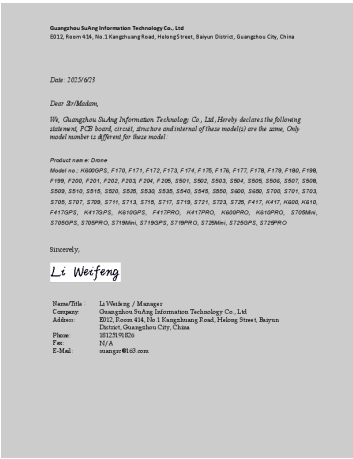
EMC Declaration Letter of Model Difference Guangzhou SuAng Information Technology Co Ltd SA4422

Drone 2BOLWSA4422 sa4422

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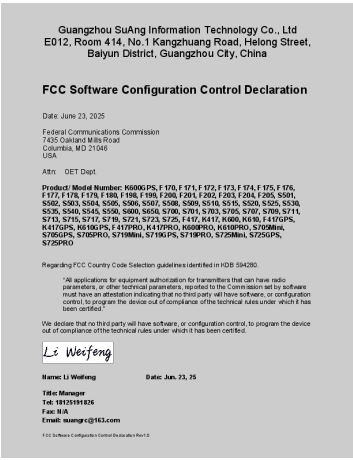
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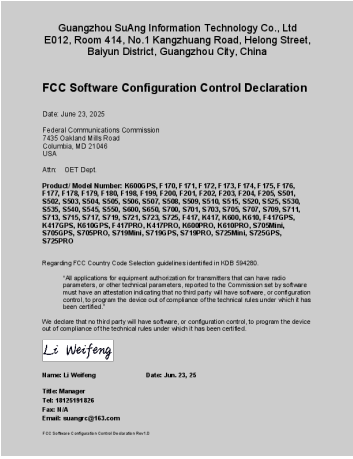
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