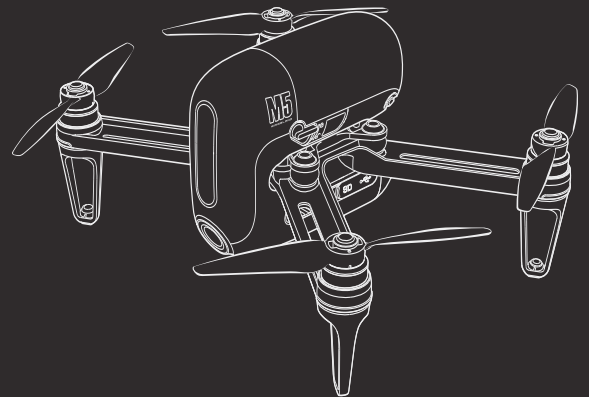


M5

Quick Start Guide [V1.0]



★ Information included in this Quick Start Guide could be amended without notice.
Please download the latest version from website: www.wingsland.com.



Wingsland Official Website



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WINGSLAND

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Safety Guidelines

1. To use the M5 has potential safety risk, children under 18 are not recommended to be the operator.
2. For increased safety, flying your aircraft in a non-fly zone is prohibited. Please follow the local laws to fly your aircraft and ensure your flight is restricted to a height of 120m.
3. For your safety flight, please ensure your aircraft flies in an open-area and your vision range. Crowds, trees, tall buildings and high-tension wires or magnetic field may also affect aircraft's signal and compass. Flying your aircraft in such areas is not recommended.
4. While the red LED of aircraft tail blinks rapidly, it indicates that low battery warning is triggered. Users are advised to land the aircraft immediately when prompt. We recommend you continue your flight after fully charged.



1. For better recording of the home point outdoor, please ensure the aircraft has already received 7 or more satellites' signal before takeoff. The more satellites' signal received, the more stable hover aircraft features. We recommend you change your flight location if no satellites signal is being found.
2. For indoor flight, please only fly your aircraft when lighting condition is adequate and on textured surface. (For more information please refer to the M5 user manual) Optical Flow Position System may not work properly when the aircraft is flying over monochrome surfaces, transparent surfaces, highly reflective surfaces and water.
3. After the flight, please long press the power button to turn off the aircraft and take out the flight battery to avoid excessive discharging. Please store the battery in a dry place with the temperature around 20°C-30°C. For a long battery life, please keep the battery level between 40%-70% before the storing for a relative long period.
4. Battery capacity is significantly decreased when flying in low temperature environments. We recommend you turn on the aircraft to warm up the battery close to 20 degrees Celsius or 68 degrees Fahrenheit.



Please contact us if you have any questions :

Tel: +86-400-0805-969

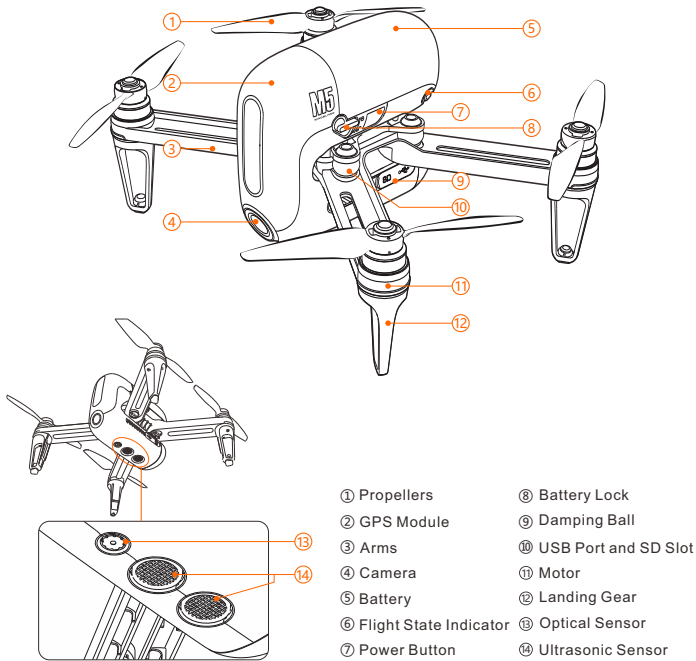
Email: service@szsungreen.com

Address: 701-901, Building D, 5# Skyworth Innovation Valley, Tangtou
No.1 Road, Shiyan, Bao'an district, Shenzhen



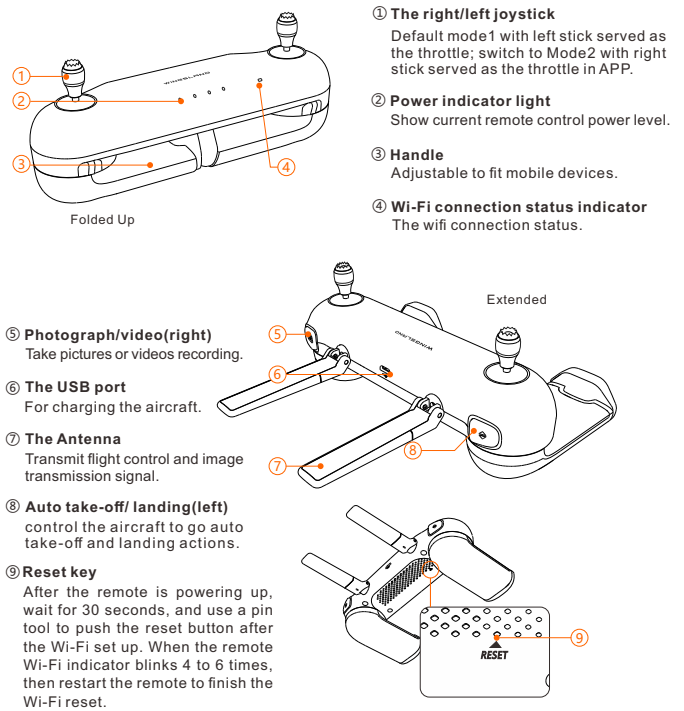
1 Prepare the Flight

1.1 Aircraft Diagram

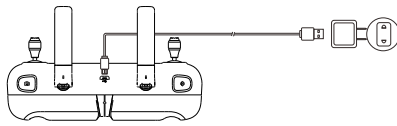


1.2 R6 Remote Controller

Remote Controller Diagram



Charging the Remote

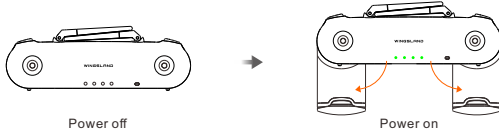


⚠ The R6 remote has a standard input voltage 5v. Charge it by using the suitable adapter. A full charge takes 120 minutes. (Portable power source is also available for the charging.)

Power On/Off

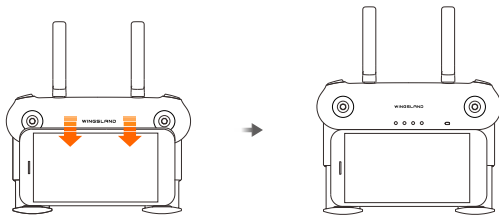
Under folded, pull out two handles to a 90° position to turn on remote controller. Easily fold back one or two handles to the bottom of the remote control, power supply will shut down.

Under powered-on, simply fold on or two handles back to the bottom of the controller to turn off it.



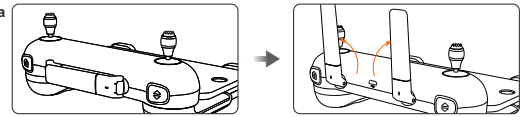
Set up mobile device

Ensure that mobile device is fully and stably placed by adjusting the handle length.



⚠ The maximum suitable mobile device size is 165x84x9mm, the minimum suitable mobile device size is 130x60x9mm.

The Antenna



Unfold the antennas.

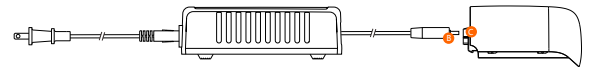
Adjust the angle of the antennas.



Make sure the aircraft and the remote are in the optimal transmission range by adjust the antennas.

1.3 Flight Battery

The capacity of M5 Lipo battery is 1850mAh capacity and the max flight time is 17 minutes.

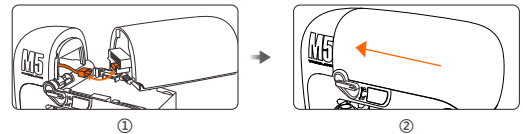


Please connect the charger port B and the battery port C to charge the battery.

- ⚠ Do not charge the battery when just after a flight because of the high battery temperature.
- ⚠ The max flight time is tested in WINGSLAND lab environment, for reference only.

Install the Battery

- ① Please put battery in the compartment then connect with aircraft power supply port.
- ② Push battery into the compartment and a click sound indicates the battery is successfully installed. Please double check the battery is firmly installed.

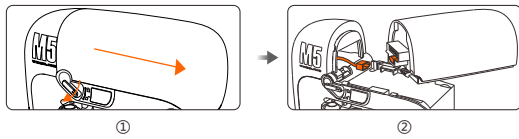


①

②

Remove the battery

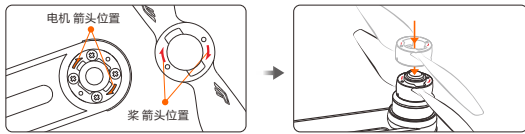
- ① Push down the battery lock and remove the battery.
- ② Disconnect battery and power supply.



1.4 Propellers

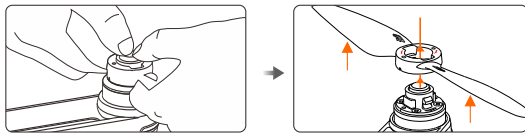
Install the propellers

1. Check the direction mark on propeller and attach the same direction propeller to the corresponding motor mounting base.
2. Repeat above steps to set up the other three propellers.
3. Make sure the propellers are installed firmly.



Remove method

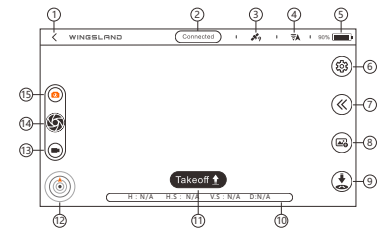
Push down the top of a motor with thumb and hold up the blades with two hands to remove the propeller.



- ⓘ Propellers are distinguished by clockwise and counterclockwise directions marks. Propellers will not be able to attach to motors if the directions marks are not matched.

1.5 Install the M5 App

Scan the QR code to download and install the latest version of WINGSLAND M5 app. The app also can be found on WINGSLAND official website (www.wingsland.com) or App store.



- | | | |
|---------------------|------------------------|-------------------|
| ① Exit | ⑥ General Setting | ⑪ Takeoff/Landing |
| ② Connection Status | ⑦ Intelligent Function | ⑫ Radar |
| ③ GPS Satellite | ⑧ Video/Photo Import | ⑬ Video Switch |
| ④ Wi-Fi Signal | ⑨ One-Key RTH | ⑭ Shutter |
| ⑤ Battery Level | ⑩ Flight Data | ⑮ Photo Switch |

2 Flight Control

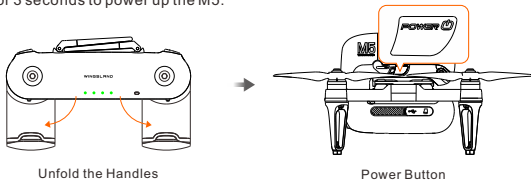
2.1 Pre-flight Checklist

1. Make sure the flight battery, remote controller and mobile device are fully charged.
2. Make sure propellers are flawless and they are mounted correctly and firmly.
3. Make sure the Micro-SD card is inserted, if necessary.

2.2 Link the remote with the aircraft

The remote controller and the aircraft have already been set in same frequency, to pair them up, you only need to do the following steps.

1. Unfold the two handles of the remote and the remote will be automatically turned on. Hold the power button for 3 seconds to power up the M5.

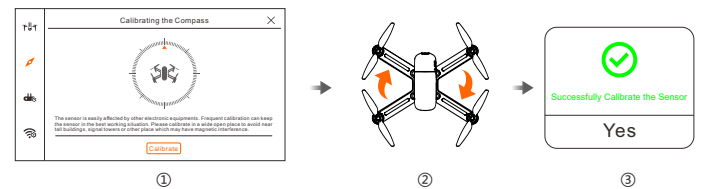


2. If the blue indicator is solid on, it indicates the Wi-Fi between the remote and the aircraft has been linked. Please choose the remote Wi-Fi on your mobile device. The default Wi-Fi name is WingslandR6_rc_XXXXXX, and the password is wingsland.
3. After connect to the remote Wi-Fi, run the WINGSLAND FLY M5 app, tap Start to Fly into the flying interface, if you see the real-time flight image, it means the remote is successfully paired with the aircraft.

ⓘ If you change your remote or aircraft and need to reset the frequency and Wi-Fi, please refer to the M5 User Manual.

2.3 Compass Calibration

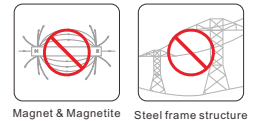
For the first time using M5, it is required to calibrate the compass, or the system might not work properly and then result in flight safety issues. The compass is easily subjected to other electromagnetic devices and affects the flight. So calibrating the compass occasionally can keep it in best status without any data error happening. Follow these steps to calibrate compass:



Do not calibrate in strong electromagnetic field. Please retry it again in other locations if compass calibration fails for a couple of times.

ⓘ Please calibrate the compass when flying in a new location.

1. Do not calibrate the compass at place may have strong interference.
2. Do not calibrate the compass around buildings, High-Voltage Line, Signal Tower or on metal surfaces.



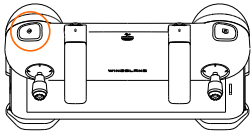
2.4 Auto Takeoff/Landing


Please takeoff at an open area avoid crowd, trees, buildings, electric wires etc. Takeoff when the aircraft gets 7+ satellites is recommended and the aircraft will hover precisely because of the GPS positioning.

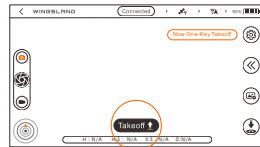


Auto Takeoff

Method 1: Press the button on upper left corner of R6 for 3 seconds, the aircraft will automatically takeoff and hover at a certain level.



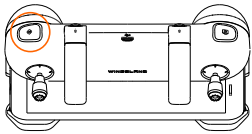
Method 2: Click the "Take-Off" icon  on control interface of App, after reading the warning window and confirmed take-off, the aircraft will automatically take off and hover at a certain level.




Takeoff altitude: Indoor 1.2m, Outdoor 2.5m.

Auto Landing

Method 1: When the aircraft is ready for landing, press the button on upper left corner of R6 for 3 seconds, the aircraft will automatically land and stop the propellers after it reached the ground with locking the motors.



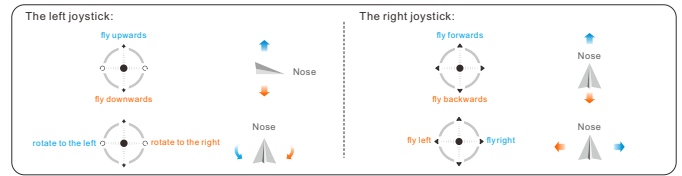
Method 2: When the aircraft is ready for landing, click the "Landing" icon  after confirmed landing, the aircraft will automatically land and stop the propellers after it reaches the ground and lock the motors.



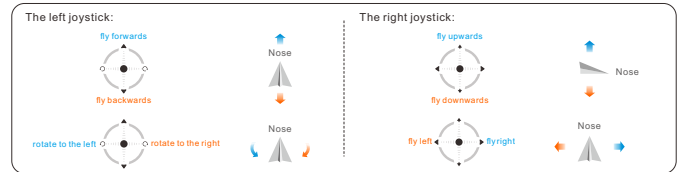
Before landing, make sure no obstruction below the aircraft.

2.5 Control Mode

There two control modes can be switched using the remote controller, mode 1 and mode 2. The default mode is mode 2.

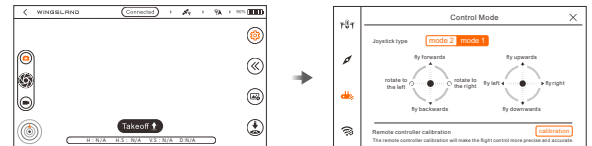


Mode 2



Mode 1

If you want change the control mode from mode 2 to mode 1, tap into the general setting and switch to mode 1 under the control setting.

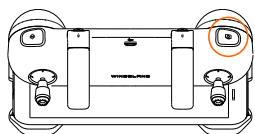



2.6 One-key RTH

The M5 equips an auto Return-to-Home feature, when you are not clear of the position of the aircraft, you could activate the feature to call back the aircraft.

Start One-Key Return-to-Home:

Method 1: Press the button on upper right corner of R6 for 3 seconds, to command the aircraft return to the last recorded home point in a preset altitude.




Method 2: Tap the One-key RTH icon  in the flying interface and Confirm to command the aircraft return to the last recorded home point in a preset altitude.



If the aircraft is flying under 20 meters, the aircraft will automatically ascend to 20 meters from the current height. If the current height is 20 meters or above 20 meters, the aircraft will return to home point with the current height. When the aircraft is between 5m from the Home point, it will return to the Home point at the current altitude with the Return-to-Home function.

 The home point is where the aircraft first time to receives 7 or 7 plus satellite in every flight. When the GPS signal is not adequate or GPS is not working properly, the RTH function will not be available.

 When command the aircraft return to home, please make sure the battery level of the flight battery is enough to fly back to the home point.

2.7 Photo/Video

Photo: Press the button on right corner of R6 or tap shutter in app once to take one photo.

Video: Under the video mode, double click the button on right corner of R6 or tap shutter in app to start video recording, double click the button on right corner of R6 or tap shutter again to stop the video recording.

3 Disclaimer

Product Safety Notice

1. This product is not intended for use by children without direct adult supervision.
2. Recommended attached propellers guard to avoid serious injury and property damage.
3. Only use WINGSLAND approved accessories. WINGSLAND takes no responsibility if any injury or damage happened caused by a third party accessories.
4. Rotating propellers may cause serious injury, keep away from crowds.
5. Stop using the products if an abnormal performance happened. Contact WINGSLAND after-service center or an authorized WINGSLAND dealer.
6. Please watch all the tutorial videos and read the disclaimer and user manual carefully before your flight. Make sure control the aircraft with a skilled operation to avoid product damage, serious injury and property loss.

Battery Usage Safety Notice

1. Do not put the battery into fire or store in a high temperature environment.
2. Always use a WINGSLAND approved adapter. Keep the battery away from inflammable during the charging.
3. Do not manually short-circuit the battery. Do not store the battery with conductor
4. Do not drop, strike, impale the battery. Do not use a swollen, leaky or damaged battery.
5. The battery performance will be affected after long time storage at a low battery level.
6. Store the battery in a dry environment with an appropriate room temperature.
7. If found the battery leakage, do not contact with skins and eyes. If you do contact, immediately rinse with plenty of water and seek medical help.
8. The battery level will be affected when using in a low temperature or a high temperature
9. Follow the WINGSLAND user manual instruction on battery usage.

Limitation of Liability

WINGSLAND accepts no liability for damage(s), injuries or any legal responsibilities incurred directly or indirectly from the use of this product in the following conditions, and this limitation of liability applies to WINGSLAND suppliers, dealers and service providers:

1. Any more you paid in amount for this product than the actual purchase price.
2. Any costs and expenses with access to alternative goods, services or rights.
3. Costs, expenses increased, loss caused by the data loss, data corruption or data interruption.
4. Any loss caused by the violation of the provisions of local laws and regulations or the civil aviation administration laws.
5. Any loss caused by the usage of product without abiding by the User Manual.
6. Any loss caused by the age, physical and mental condition of the Operator who is not in the proper condition.
7. Damage(s), injuries or any legal responsibilities cause by using a third party alteration products or fake Wingsland products.
8. Any loss caused by improper use in a strong magnetic field or in a bad environmental condition (such as in the temperature higher than 40 degrees or below 0 degrees Celsius, and in a wind speeds exceeding 8m/s, etc.).
9. Any loss caused by Force Majeure.