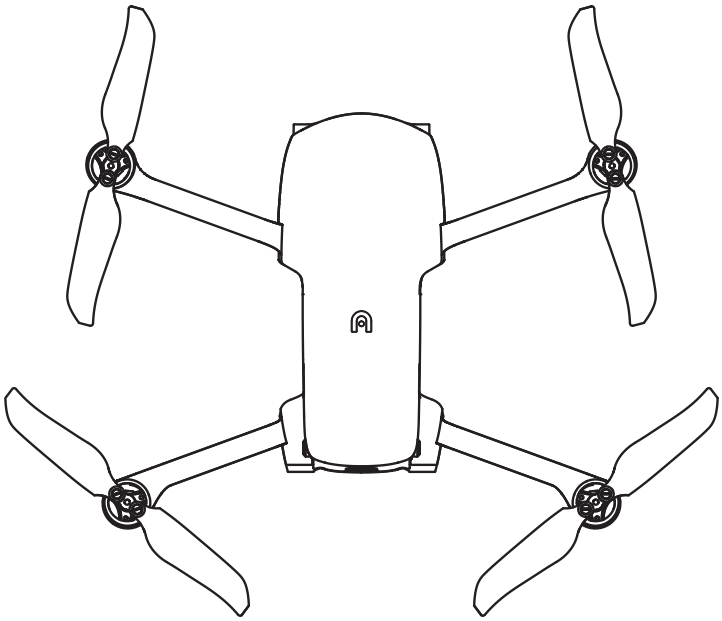
Quick Start Guide

EVO Nano series



AUTEL
ROBOTICS

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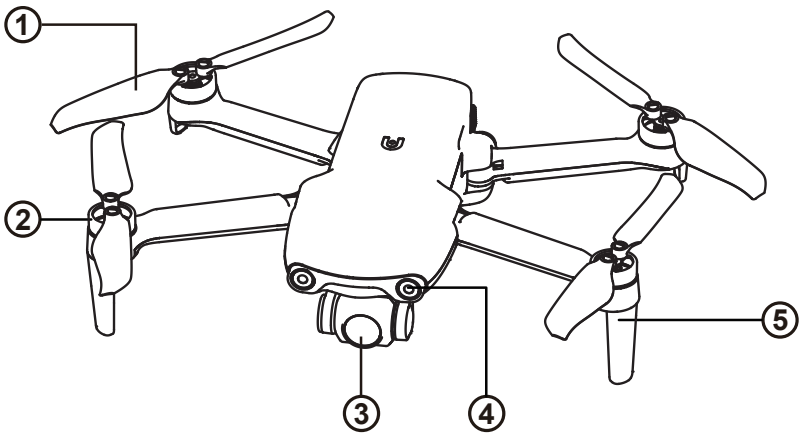
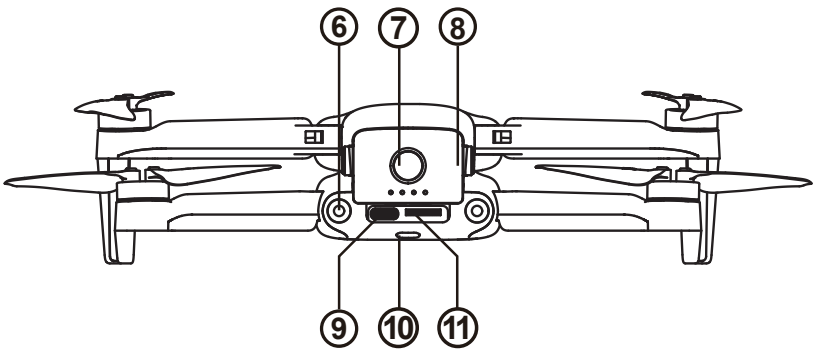
1. Reading notes

- Please read all documentation before your first flight.
- Failure to operate the aircraft responsibly could lead to injury or damages, and may void any applicable warranty coverage.

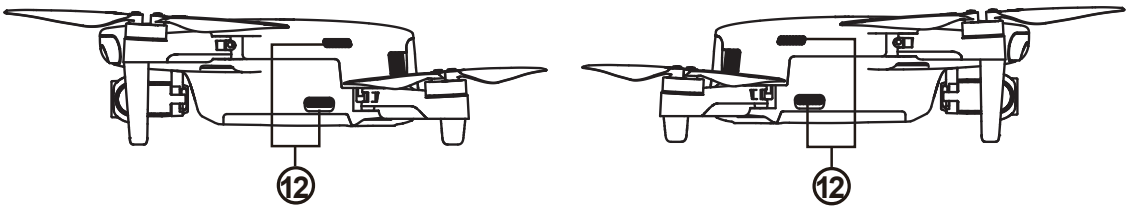
2. Aircraft



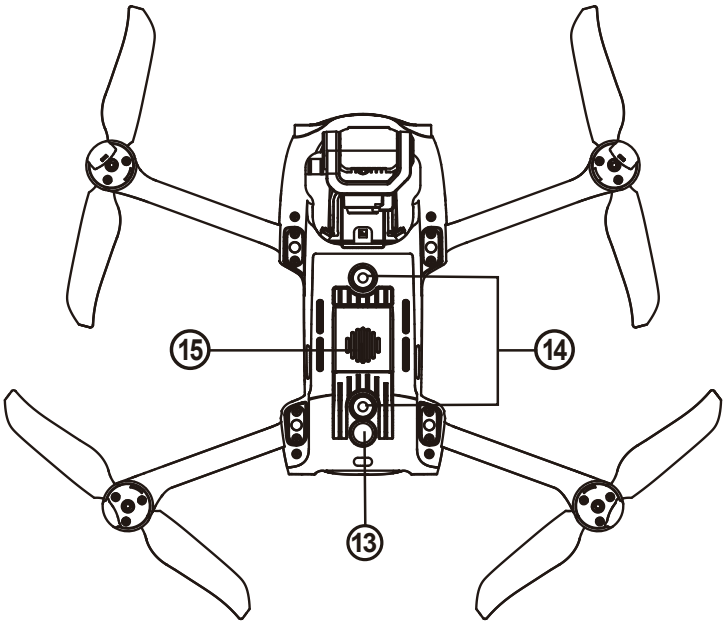
① Propeller
② Motor
③ Gimbal camera
④ Forward vision system
⑤ Antenna



⑥ Rear vision system
⑦ Power button
⑧ Aircraft battery
⑨ USB-C port
⑩ Rear LED indicator
⑪ SD card slot



⑫ Exhaust port



⑬ Ultrasonic sensor

⑭ Downward vision system

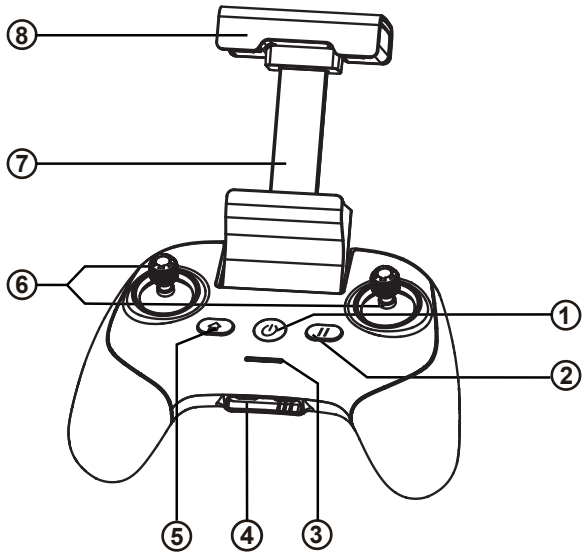
⑮ Air inlet

3. Flight LED indicator

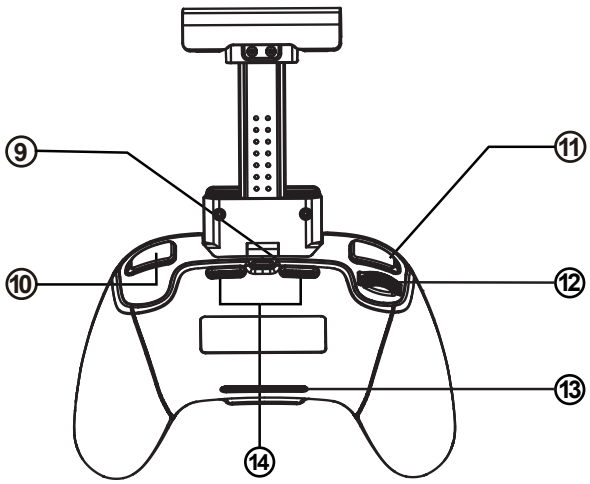
There is an LED indicator on the tail of the aircraft. The following table shows the meaning of indicator.

Meaning of flight indicator status	
Taillight	Meaning
Normal status	
Green light flashes slowly	Aircraft is in GPS state
Green light flashes quickly	The aircraft and the remote controller are pairing
Compass calibration	
Yellow light is always on	Starting compass calibration
Yellow light is always on	Calibration failed
Green light is always on	Calibration successful
Warning	
Yellow light flashes slowly	Low battery warning
Red light flashes quickly	Critical low battery alert

4. Remote control



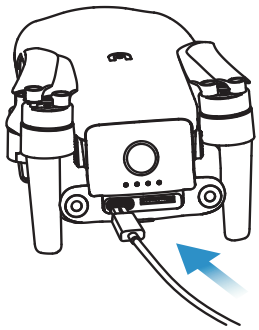
① Power button
② Pause button
③ Battery indicator
④ Charging interface
⑤ Home button
⑥ Joystick
⑦ Mobile device stand
⑧ Antenna



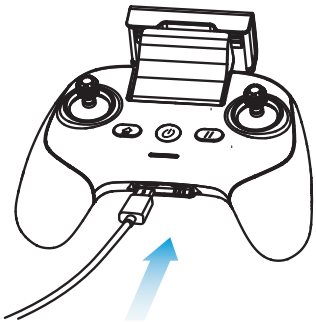
⑨ Remote control adapter
⑩ Camera/Video button
⑪ Custom button
⑫ Gimbal pitch control dial
⑬ Air inlet
⑭ Air outlet

5. Charge the aircraft & remote control

(1) Aircraft battery: Make sure the aircraft is powered off, and plug the Type-C charging cable into the charging slot on the aircraft.



(2) Charging the remote control: Insert the Type-C charging cable into the Type-C port of the remote control.



Note

• Always fully charge the aircraft and remote control batteries before flying. Please use a dedicated charger to charge the device.
• It takes about 90 minutes to fully charge the aircraft battery and 120 minutes to fully charge the remote control.
• The aircraft battery indicator will flash cyclically when it is charging, and it will be off when the battery is full.

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6. Install the Autel Sky™ app

Refer to the following steps to connect to the application.

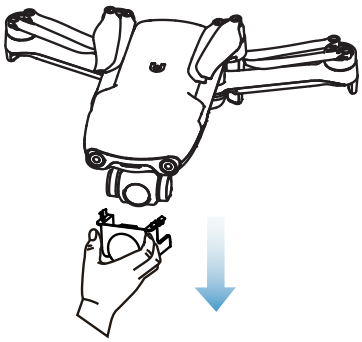
1. Enter the keyword "Autel Sky" in the App Store or Google Play, then search for and download the Autel Sky™ application.

2. Launch the application on your mobile device.

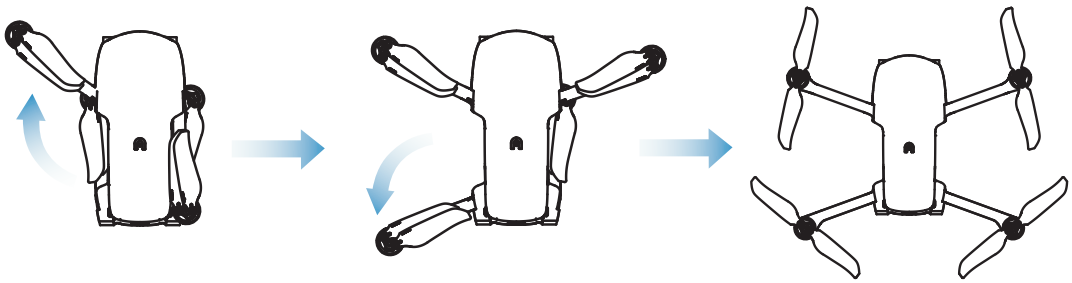
3. Follow the on-screen instructions to connect the mobile device and the remote control.

7. Prepare the aircraft

(1) Please always remove the gimbal protective cover before turning on the power switch of the aircraft.



(2) Unfold the arms and propellers.



⚠ Important

Before folding the arms, turn off the power switch of the aircraft. Fold the rear arm and propeller first, then fold the front arm.

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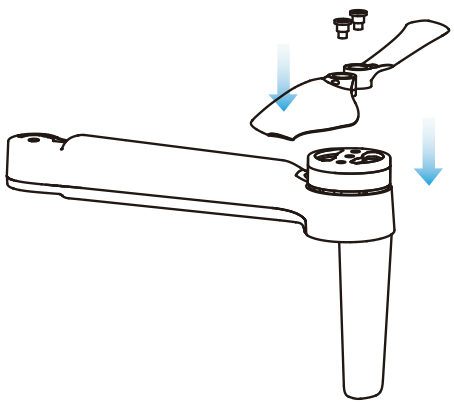
8. Install the propeller

The propeller has been installed on the aircraft by default. If you need to re-install it, please refer to the following instructions. Note that the propeller must be intact and firmly installed on the aircraft, and the propeller marked with a dot must be correctly matched to the arm.

- Install the propeller
  (1) Confirm that the aircraft is turned off.
  (2) Choose the propeller that matches the arm.
  (3) Align the hole of the propeller with the screw hole of the motor, and lock the screw.

- Disassemble the propeller
  (1) Turn off the aircraft.
  (2) Loosen the screw to remove the propeller.



Propeller	With dots mark	Without dots mark
Schematic diagram		
Matching machine arm	Mounted on the arm with dots	Mounted on the arm without dots

⚠ **Warning**

Before installing or removing the propeller, turn off the power.

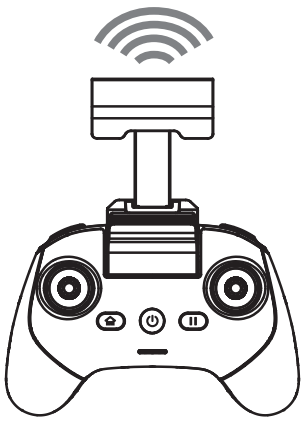
⚠ **Important**

While installing or removing the propeller, it is recommended to wear protective gloves.

9. Prepare the remote control

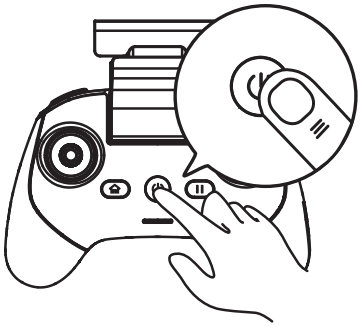
(1) Slowly pull out the mobile device holder.

(2) When the antenna plane is facing the aircraft, the signal quality of the remote control and the aircraft can reach the best condition.

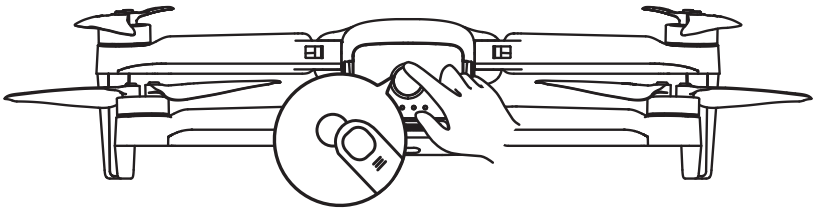


10. Power on

(1) Hold the power button for 2 seconds to turn on the remote control.



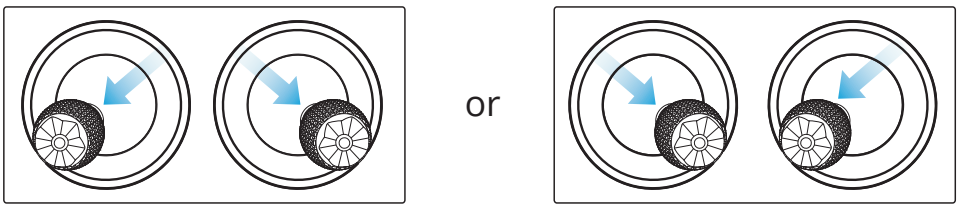
(2) Press and hold the power button for 3 seconds to turn on the aircraft. The battery indicator will then light up to show the current battery level of the aircraft.



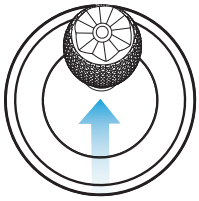
11. Take off

(1) Before taking off, please place the aircraft on a flat surface with the tail of the aircraft facing you.

(2) Tilt the joystick inwardly or outwardly and hold for 1 second, as shown in the figure below.



(3) After the motor starts, slowly push the left joystick upward (mode 2).

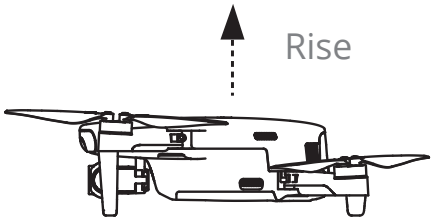


Note: Before taking off, place the aircraft on a level surface with the back side of the aircraft facing you.

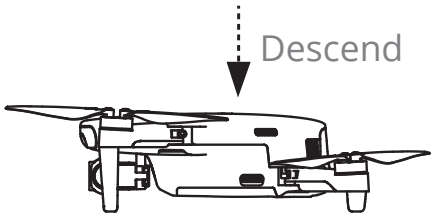
12. Joystick controls (Mode 2)

Left stick

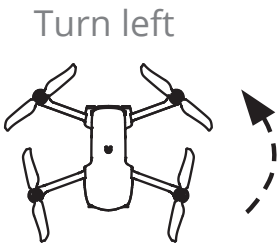
Left view



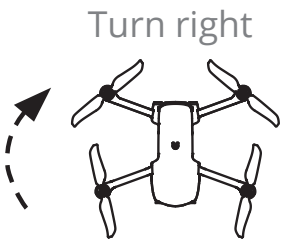
Left view



Top view

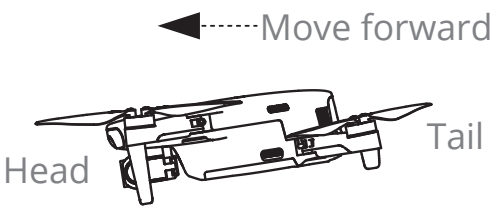


Top view

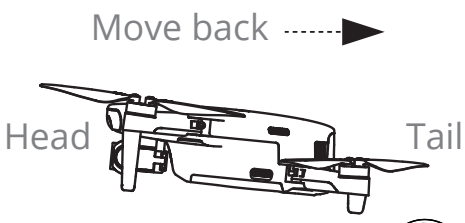


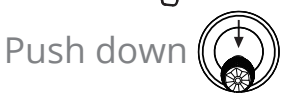
Right stick

Left view

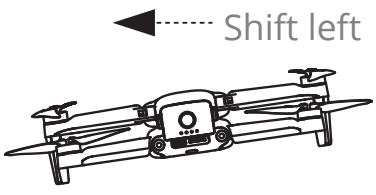


Left view

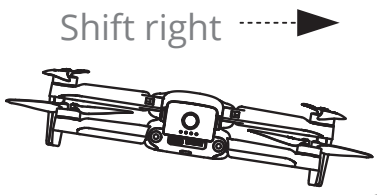




Rear view



Rear view



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