

- When the aircraft is fully charged and is equipped with the RTK module, the hovering time will be extended to 37 minutes, and other aspects are not affected.

3.13 Protection Rating

Under controlled laboratory conditions, the aircraft (with smart batteries installed) can achieve an IP43 protection rating following IEC 60529 standards. The protection rating is not permanent and may degrade due to long-term wear and tear.

- It is not recommended to fly in rainy days or sandstorm days. In case of rain or sandstorm during the flight, abort the flight and return to a safe location promptly.
- Before flight, make sure that battery connector, battery compartment interface, battery surface, and battery compartment surface are dry and water-free before inserting the battery into the aircraft fuselage.
- After completing the flight, wipe off the rainwater on the aircraft fuselage before folding and storing the aircraft to prevent water from entering the aircraft and affecting its protective performance.
- Make sure that the battery connector and surface are dry and water-free before charging the battery.
- Damage caused by immersion in liquid is not covered by the warranty.

The aircraft does not have an IP43 protection rating in the following conditions:

- The aircraft is not installed with a battery or the battery is not properly installed.
- The gimbal is not installed on the aircraft.
- The rubber protective cover at the interface of the fuselage is not properly installed.
- There is other possible damage on the fuselage, such as shell cracks or waterproof adhesive failure.

Note

- Please strictly comply with the usage environment restrictions of the aircraft. Using the aircraft beyond specified conditions may lead to aircraft damage or safety incidents.
- The IP43 protection rating is not a universal feature of the aircraft and may require user customization.

3.14 Noise Description

The aircraft will generate a certain level of noise during operation. You should understand local noise pollution prevention regulations in advance and set an appropriate flight altitude or safe distance to ensure that it does not disturb other individuals, groups, or organizations.

■ A-weighted sound power level

The aircraft has passed sound power test conducted by relevant third-party testing organizations with qualification. The results comply with the regulations concerning unmanned aerial vehicles in the European Union.

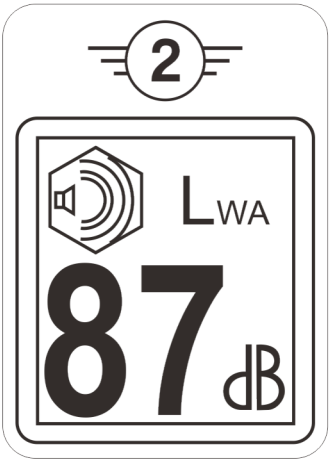


Fig 3-17 A-weighted sound power level of the aircraft

■ A-weighted sound pressure level

Measurement results for the aircraft, in accordance with the requirements of GB 42590-2023 in Chinese mainland, are provided below:

Table 3-14 Noise Measurements Results (normalized to 1 m from the aircraft)

Observation Points	Hover	Fly (1 m/s)
Ground Measure Point (Below)	71.5dB	75.8dB
Side Measure Point (Horizontal Plane)	73.7dB	71.7dB

Note: The measurement environment is an outdoor cement ground.

Tip

- Before flight, please make sure to verify the noise restrictions in the flying area in advance to avoid any violation of local regulations regarding aircraft noise.

3.15 Aircraft Communication Frequency Bands

The aircraft is equipped with Autel SkyLink 3.0 image transmission technology and has 4 image transmission antennas, with 2 channels of transmitting signals and 4 channels of receiving signals, so that the communication distance between the aircraft and the ground control station can reach up to 15 kilometers.

- It supports adaptive frequency hopping transmission of multiple frequency bands, selects the optimal channel according to the electromagnetic interference situation, and has strong anti-interference ability.
- The quality of real-time transmission reaches 1080p/30fps, and it has a high transmission bit rate of 64Mbps and low-latency transmission characteristics.

- Both data link path transmission and data storage adopt the AES-256 encryption method to ensure the communication data security between end-to-end.

Note

- The transmission data is based on the ground control station and comes from test data, and the test environment and conditions are different, and the data may be different.
- The transmission range is for reference only. During use, please pay close attention to the quality of the image transmission signal. When the image transmission signal is weak, reduce the flight radius in a timely manner. For more information, see [“6.3 Status Notification Bar”](#) in Chapter 6.

Tip

- In actual use, after the aircraft and the remote controller is turned on and matched in frequency, the flight application in the remote controller will automatically determine and select the radio communication frequency band that complies with local regulations for the specific country or region based on the GNSS information received by the aircraft.
- Before flight, please ensure that the aircraft receives a strong GNSS signal after being powered on. This allows the flight application to receive the proper communication frequency band.
- When the aircraft does not obtain GNSS positioning information after being turned on (for example, the aircraft enters visual positioning mode or attitude mode right after being turned on), the radio communication frequency band between the RC and the aircraft adopts 2.4G frequency band by default; when the aircraft enters the visual positioning mode or attitude mode from GNSS mode, its communication frequency band remains the same.

■ Information of Image Transmission Frequency Bands for Aircraft

The image transmission frequency bands of the aircraft comply with regulatory requirements worldwide. The relevant used frequency bands are listed in the table below.

Tip

- Users can select legal image transmission frequency bands in the flight application. For details, please refer to [“6.5 “Settings” Interface”](#) in chapter 6.

Table 3-15 Aircraft Global Frequency Bands Used (Image Transmission)

Operating Frequency	Details	Countries and Regions
900M	902-928MHz	■ USA (FCC) ■ Canada (ISED)
2.4G	2400-2476MHz	■ Chinese Mainland (SRRC)
2.4G	2400-2483.5MHz	■ USA (FCC)

		■ Canada (ISED) ■ EU (CE) ■ UK (UKCA)
5.2G	5150-5250MHz	■ USA (FCC) ■ EU (Except Germany, CE) ■ UK (UKCA)
5.2G	5170-5250MHz	■ Germany (CE)
5.8G	5725-5829MHz	■ Chinese Mainland (SRRC)
5.8G	5725-5850MHz	■ USA (FCC) ■ Canada (ISED) ■ EU (CE) ■ UK (UKCA)

■ Information of Wi-Fi Frequency Bands for Aircraft

The aircraft supports the Wi-Fi Super Download feature. After the aircraft lands, it will automatically activate Wi-Fi. Other mobile devices can quickly transfer and download photos and video files captured by the aircraft by connecting to the aircraft's Wi-Fi.

Note

- The aircraft is equipped with the hardware at the factory for the Wi-Fi Super Download feature. This feature will be available in future firmware upgrade. Please upgrade accordingly when the feature is available.

The Wi-Fi frequency bands of the aircraft comply with regulatory requirements worldwide. The relevant used frequency bands are listed in the table below.

Table 3-16 Global Frequency Bands Used (Wi-Fi)

Operating Frequency	Details	Countries & Regions
2.4G (2400-2476MHz)	802.11b/g/n/ax	■ Chinese Mainland (SRRC)
2.4G (2400-2483.5MHz)	802.11b/g/n/ax	■ USA (FCC) ■ Canada (ISED) ■ EU (CE) ■ UK (UKCA)
5.2G (5150-5250MHz)	802.11a/n/ac/ax	■ USA (FCC) ■ EU (Except Germany, CE) ■ UK (UKCA)
5.2G (5170-5250MHz)	802.11a/n/ax	■ Germany (CE)

5.8G (5725-5829MHz)	802.11a/n/ax	■ Chinese Mainland (SRRC)
5.8G (5725-5850MHz)	802.11a/n/ac/ax	■ USA (FCC) ■ Canada (ISED) ■ EU (CE) ■ UK (UKCA)

Note

- Some countries and regions have strict restrictions on the use of radio communication frequency bands. It is crucial to use them legally, and any modification of communication modules is strictly prohibited.
- In Germany there's specific requirements for the 5.2G frequency band. Unmanned aerial systems are only allowed to use the frequency within the range of 5170MHz to 5250MHz.
- If flying in any countries not listed in the above table, please consult the local communication management authorities to ensure that the aircraft communication frequency bands comply with local regulatory requirements.
- The aircraft will automatically match the legal frequency band based on GNSS positioning, so users can use it with confidence.

■ RC Devices

In addition to the remote controller, the aircraft also supports matching with the EVO Nest for remote communication control over the aircraft.

Table 3-17 Remote Control Device Support List

Control Device Information	Autel Smart Controller V3	EVO Nest
Part Number (EAN)	6924991129011	6924991124474
Part Number (UPC)	889520209014	889520204477
Manufacturer	Autel Robotics	Autel Robotics
Control Software	Autel Enterprise	Autel SkyCommand Center
Software Version Requirement	V1.0.0.0 or higher	V1.0.0.0 or higher
Supplementary Information	Standard configuration	Nest Kit

Tip

- The remote controller is a standard accessory in the aircraft package, and Autel Robotics also provide retail package to choose separately.

- When using the above devices to remotely control the aircraft, make sure that the software version meets the above requirements.

Chapter 4 Remote Controller

4.1 Introduction

The remote controller is installed with the flight application Autel Enterprise by default, allowing you to operate and set the aircraft and the gimbal camera and transmit high-definition videos from the gimbal camera in real time. It offers a maximum communication distance of 15 kilometers.

Note

- The maximum communication distance of the remote controller is measured under unblocked and interference-free conditions and is for references only.
- It supports adaptive frequency hopping transmission, selects the optimal channel according to the electromagnetic interference situation, and has strong anti-interference ability.
- Both data link path transmission and data storage between the aircraft and the remote controller adopt the AES-256 encryption method to ensure the communication data security between end-to-end.

4.1.1 Remote Controller Components

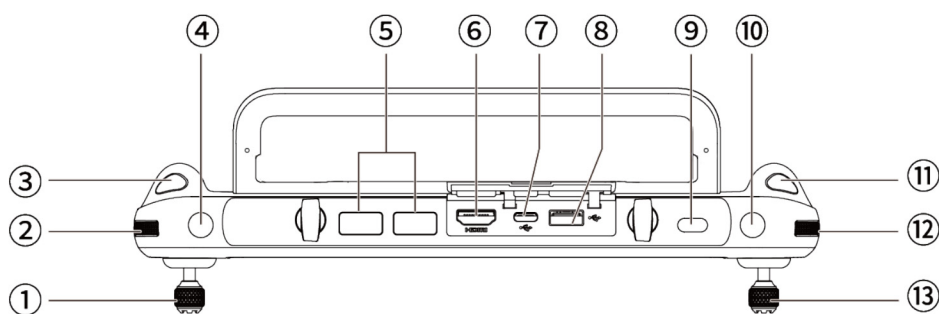


Fig 4-1 Remote Controller Top-Down View

Table 4-1 Remote Controller Top-Down View Details

No.	Name	Description
1	Left Command Stick	Controls the state of motion of the aircraft. The default stick mode is Mode 2. In this mode, you can use the stick to control the ascent, descent, and heading of the aircraft. You can set the stick mode in the flight application. For more information, see “6.5 “Settings” Interface” in Chapter 6.
2	Left Dial Wheel	Turn the dial wheel to adjust the gimbal pitch.

3	Video Recording Button	Press the button to start recording video and press it again to end recording video.
4	Key C1	Customize the key function in the flight application. For more information, see “6.5 “Settings” Interface” in Chapter 6.
5	Air Outlet	For heat dissipation of the remote controller. When using it, please pay attention to whether there are foreign objects blocking the air outlet.
6	HDMI Interface	Outputs the live view of the remote controller to a supported display device.
7	USB-C Interface	Used for remote controller charging or device debugging.
8	USB-A Interface	Connects to an expandable 4G/5G module or external USB device for data transmission.
9	Power Button	When the remote controller is off, press this button for 1 second to display the remaining battery level of the RC and press this button for 3 seconds to turn it on. When the remote controller is on, press this button quickly to switch between Screen On and Screen Off and press and hold it for 6 seconds to force shut the RC down.
10	Key C2	Customize the key function in the flight application. For more information, see “6.5 “Settings” Interface” in Chapter 6.
11	Shooting Button	Press the button to take a photo.
12	Right Dial Wheel	Turn the dial wheel to adjust the zoom factor of the camera.
13	Right Stick	Controls the state of motion of the aircraft. The default stick mode is Mode 2. In this mode, you can use the stick to control the translation of the aircraft in four directions: front/back/left/right. You can set the stick mode in the flight application. For more information, see “6.5 “Settings” Interface” in Chapter 6.

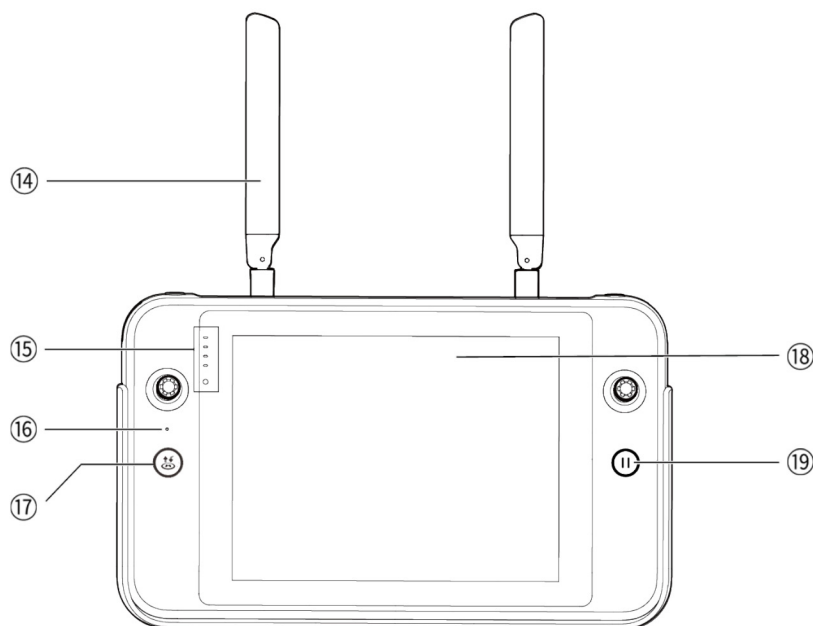


Fig 4-2 Remote Controller Front View

Table 4-2 Remote Controller Front View Details

No.	Name	Description
14	Antenna	Transmits the control signals of the remote controller to the aircraft and receives the image transmission information from the aircraft.
15	Battery Level Indicator	Displays the remaining battery level of the remote controller.
16	Audio Input	Receives information from an external audio source near the remote controller.
17	Take-off/Return-to-Home Button	When the aircraft is turned on but not taking off, press and hold the button for 2 seconds, and the aircraft will take off and hover at an altitude of 1.2 meters above the ground. When the aircraft is flying, press and hold the button for 2 seconds, and the aircraft will automatically begin the return-to-home process. For details, please refer to “4.11.2 Take-off/Return-to-Home Button and Pause Button” in this chapter.
18	Display	Displays real-time image transmission views. with 2048×1536 resolution. Touch operation is supported.
19	Pause Button	When the aircraft is in autonomous flight mode, short press this button to control the aircraft to suspend autonomous flight and hover in place and press the button again to resume flight; press and hold this button for 2 seconds to control the aircraft to exit the mission flight.

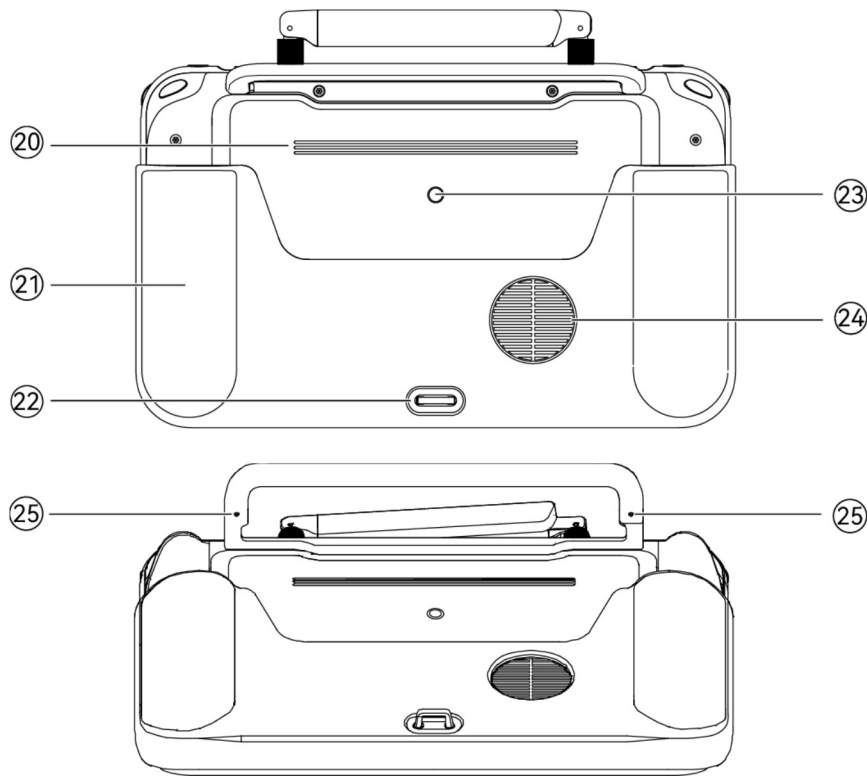


Fig 4-3 Remote Controller Rear View

Table 4-3 Remote Controller Rear View Details

No.	Name	Description
20	Speaker	Plays sound to indicate the status of the device.
21	Protective Cover	Used to prevent external damage such as collision and abrasion to the remote controller.
22	Lower Hook	Used to connect and fix the remote controller strap.
23	Standard 1/4 interface	Used for attaching tripods.
24	Air Inlet	Used for heat dissipation of the remote controller. Please pay attention to whether there are foreign objects blocking the air inlet when using it.
25	Stick Storage Slot	Used to store left and right sticks.

4.1.2 Communication Frequency Bands

The image transmission frequency bands of the remote controller comply with regulatory requirements worldwide. Please refer to the table below for the relevant used frequency bands.

 Tip

- In actual use, after the aircraft and the remote controller is turned on and matched in frequency, the flight application in the remote controller will automatically determine and select the radio communication frequency band that complies with local regulations for the specific country or region based on the GNSS information received by the aircraft.
- Users can select legal image transmission frequency bands. For details, please refer to “6.5 “Settings” Interface” in chapter 6.
- Before flight, please ensure that the aircraft receives a strong GNSS signal after being powered on. This allows the flight application to receive the proper communication frequency band.
- When the aircraft does not obtain GNSS positioning information after being turned on (for example, the aircraft enters visual positioning mode or attitude mode right after being turned on), the radio communication frequency band between the RC and the aircraft adopts 2.4G frequency band by default; when the aircraft enters the visual positioning mode or attitude mode from GNSS mode, its communication frequency band remains the same.

Table 4-4 Global Frequency Bands Used (Image Transmission)

Operating Frequency	Details	Countries & Regions
900M	902-928MHz	■ USA (FCC) ■ Canada (ISED)
2.4G	2400-2476MHz	■ Chinese Mainland (SRRC)
2.4G	2400-2483.5MHz	■ USA (FCC) ■ Canada (ISED) ■ EU (CE) ■ UK (UKCA)
5.8G	5725-5829MHz	■ Chinese Mainland (SRRC)
5.8G	5725-5850MHz	■ USA (FCC) ■ Canada (ISED) ■ EU (CE) ■ UK (UKCA)

Table 4-5 Global Frequency Bands Used (Wi-Fi)

Operating Frequency	Details	Countries & Regions
2.4G (2400-2476MHz)	802.11b/g/n	■ Chinese Mainland (SRRC)
2.4G (2400-2483.5MHz)	802.11b/g/n	■ USA (FCC) ■ Canada (ISED) ■ EU (CE)

		■ UK (UKCA)
5.8G (5725-5829MHz)	802.11a/n/ac	■ Chinese Mainland (SRRC)
5.8G (5725-5850MHz)	802.11a/n/ac	■ USA (FCC) ■ Canada (ISED) ■ EU (CE) ■ UK (UKCA)

Note

- Some countries and regions have strict restrictions on the use of radio communication frequency bands. It is crucial to use them legally, and any modification of communication modules is strictly prohibited.
- If flying in any countries not listed in the above table, please consult the local communication management authorities to ensure that the aircraft communication frequency bands comply with local regulatory requirements.
- The aircraft will automatically match the legal frequency band based on GNSS positioning, so users can use it with confidence.

4.2 Installing the Remote Controller Lanyard

Tip

- The remote controller lanyard is an optional accessory. You can choose whether to install it as required.
- When holding the remote controller for a long time during flight operations, we recommend that you install the remote controller lanyard to effectively reduce the pressure on your hands.

■ Steps

1. Clip the two metal clips on the lanyard to the narrow positions on both sides of the metal handle at the back of the controller.
2. Open the metal button of the lanyard, bypass the lower hook at the bottom of the back of the controller, and then fasten the metal button.
3. Wear the lanyard around your neck, as shown in the figure below, and adjust it to a suitable length.

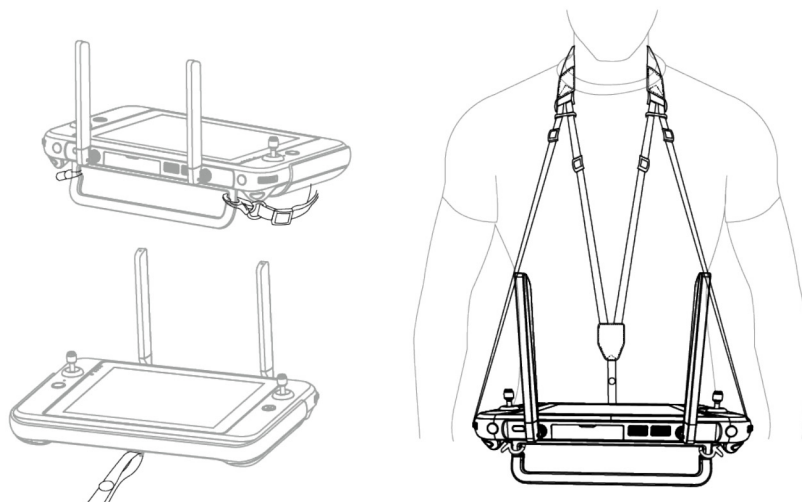


Fig 4-4 Install the Remote Controller Lanyard (As Required)

4.3 Installing/Storing Sticks

The remote controller features removable sticks, which effectively reduce storage space and enable easy carrying and transportation.

■ Installing sticks

There are stick storage slots above the mental handle at the back of the controller. Rotate counterclockwise to remove the two sticks and then rotate them clockwise to install them separately on the remote controller.

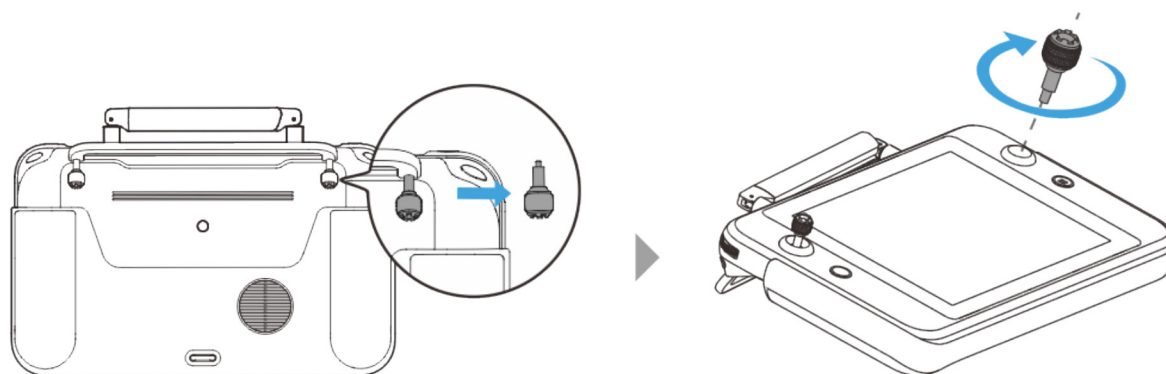


Fig 4-5 Installing sticks

■ Storing Sticks

Simply follow the reverse steps of the above operation.

💡 Tip

- When the sticks are not in use (such as during transportation and temporary aircraft standby), we recommend that you remove and store them on the metal handle. This can prevent you from accidentally touching the sticks, causing damage to the sticks or

unintended startup of the aircraft.

4.4 Turning the Remote Controller On/Off

■ Turning the Remote Controller On

Press and hold the power button at the top of the remote controller for 3 seconds until the controller emits a "beep" sound to turn it on.

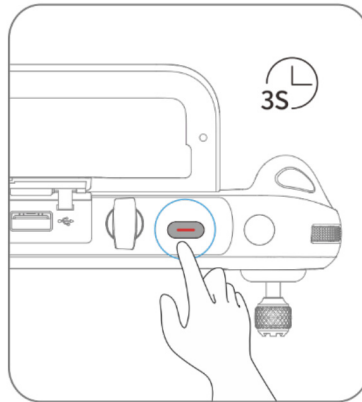


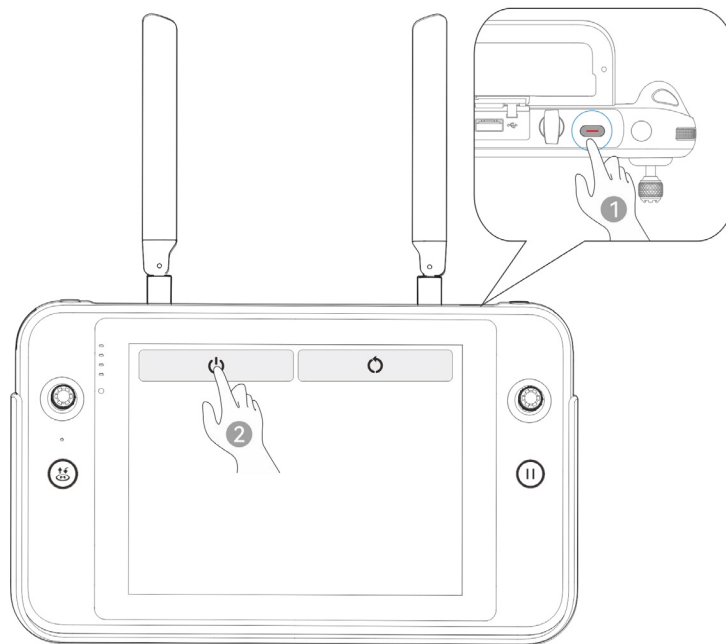
Fig 4-6 Turning the Remote Controller On

Tip

- When using a brand-new remote controller for the first time, please follow the on-screen instructions to complete the relevant setup.

■ Turning the Remote Controller Off

When the remote controller is on, press and hold the power button at the top of the remote controller until the "Off" or "Restart" icon appears at the top of the controller's screen. Tapping the "Off" icon will turn off the remote controller. Tapping the "Restart" icon will restart the remote controller.

**Fig 4-7 Turning the Remote Controller Off****Tip**

- When the remote controller is on, you can press and hold the power button at the top of the remote controller for 6 seconds to forcibly turn it off.

4.5 Checking the Battery Level of the Remote Controller

When the remote controller is off, short press the power button of the remote controller for 1 second, and the battery level indicator will display the battery level of the remote controller.

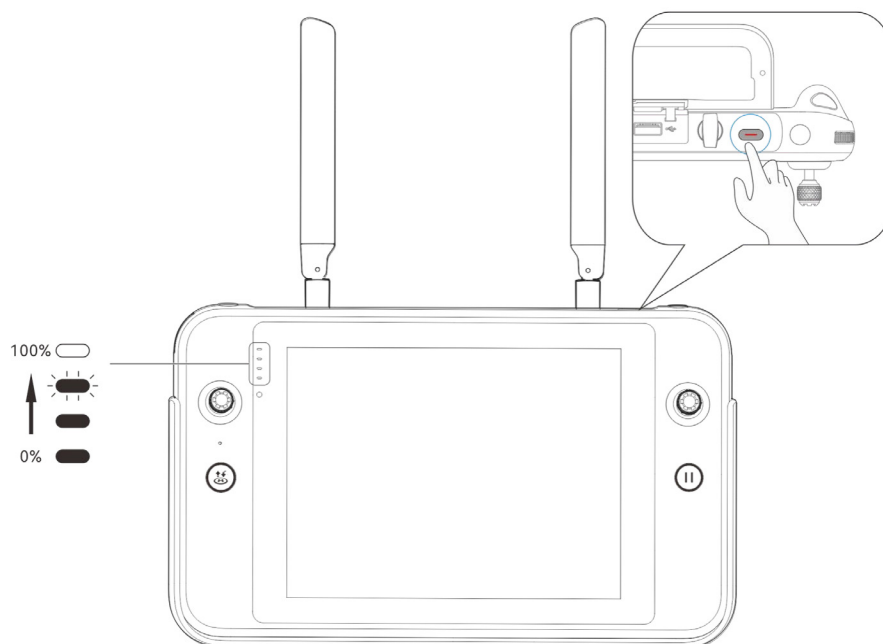
**Fig 4-8 Checking the Battery Level of the Remote Controller**

Table 4-6 Battery Remaining

Power Display	Definition	Power Display	Definition
	1 light always on: 0%-25% power		2 lights always on: 25%-50% power
	3 lights always on: 50%-75% power		4 lights always on: 75%- 100% power

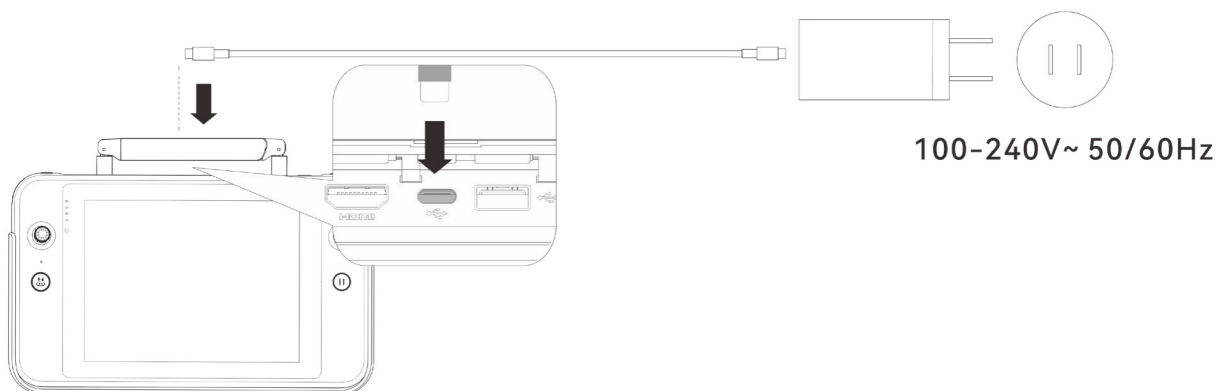
Tip

When the remote controller is on, you can check the current battery level of the remote controller in the following ways:

- Check it on the top status notification bar of the flight application.
- Check it on the system status notification bar of the remote controller. In this case, you need to enable "Battery Percentage" in the "Battery" of the system settings in advance.
- Go to the system settings of the remote controller and check the current battery level of the controller in "Battery".

4.6 Charging the Remote Controller

Connect the output end of the official remote controller charger to the USB-C interface of the remote controller by using a USB-C to USB-A (USB-C to USB-C) data cable and connect the plug of the charger to an AC power supply (100-240 V~ 50/60 Hz).

**Fig 4-9 Use the remote controller charger to charge the remote controller****Warning**

- Please use the official charger provided by Autel Robotics to charge the remote controller. Using third-party chargers may damage the battery of the remote controller.

- After charging is complete, please disconnect the remote controller from the charger promptly.

Note

- It is recommended to fully charge the remote controller battery before the aircraft takes off.
- Generally, it takes about 120 minutes to fully charge the aircraft battery, but the charging time is related to the remaining battery level.

4.7 Adjusting the Antenna Position of the Remote Controller

During flight, please extend the antenna of the remote controller and adjust it to an appropriate position. The strength of the signal received by the antenna varies depending on its position.

When the angle between the antenna and the back of the remote controller is 180° or 270°, and the plane of the antenna faces the aircraft, the signal quality between the remote controller and the aircraft can reach its best state.

! Important

- When you operate the aircraft, make sure that the aircraft is in the place for the best communications.
- Do not use other communication devices of the same frequency band at the same time to prevent interference with the signals of the remote controller.
- During flight, if there is a poor image transmission signal between the aircraft and the remote controller, the remote controller will provide a prompt. Please adjust the antenna orientation according to the prompt to ensure that the aircraft is in the optimal data transmission range.
- Please make sure that the antenna of the remote controller is securely fastened. If the antenna becomes loose, please rotate the antenna clockwise until it is firmly fastened.

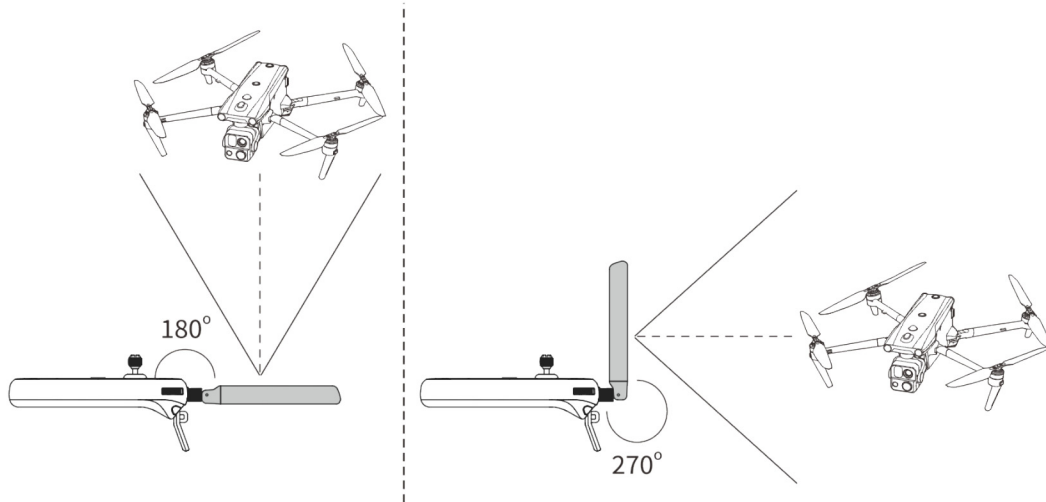


Fig 4-10 Extend the antenna

4.8 Remote Controller System Interfaces

4.8.1 Remote Controller Main Interface

After the remote controller is turned on, it enters the main interface of the flight application by default.

In the main interface of the flight application, slide down from the top of the touch screen or slide up from the bottom of the touch screen to display the system status notification bar and navigation keys, and tap the "Home" button or the "Back" button to enter the "Remote Controller Main Interface". Swipe left and right on the "Remote Controller Main Interface" to switch between different screens, and enter other applications as needed.

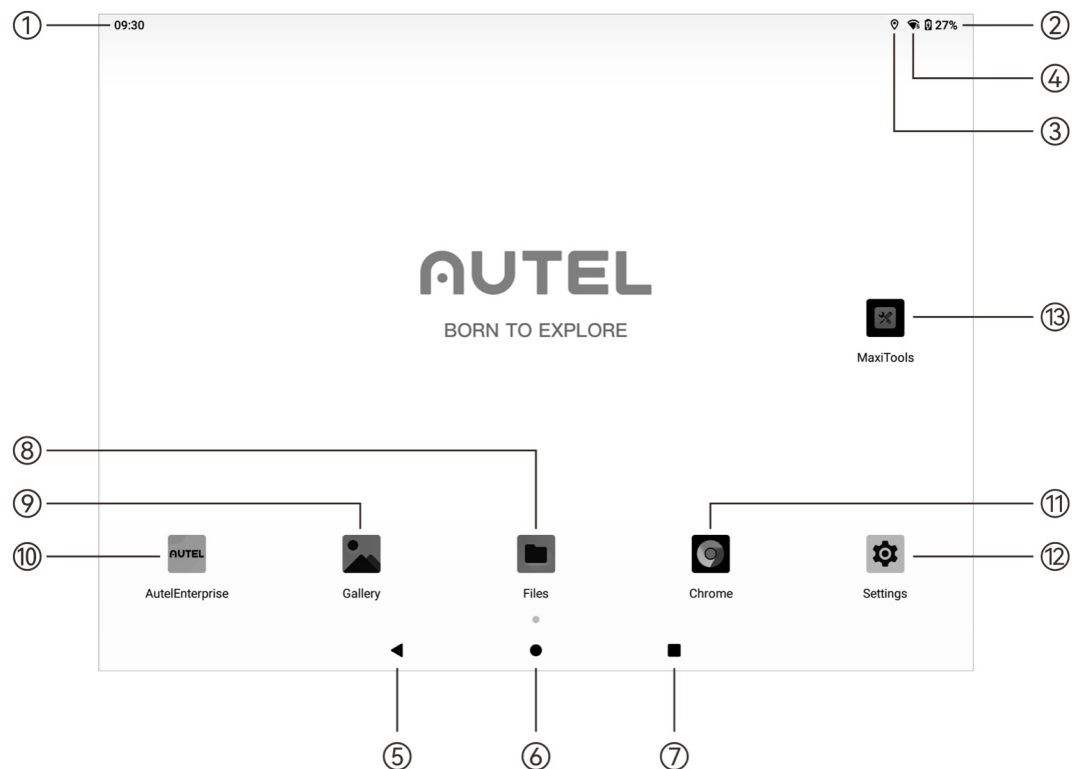


Fig 4-11 Remote Controller Main Interface

Table 4-7 Remote Controller Main Interface Details

No.	Name	Description
1	Time	Indicates the current system time.
2	Battery Status	Indicates the current battery status of the remote controller.
3	Location Info	Indicates that location information is currently enabled. If not enabled, the icon is not displayed. You can tap "Settings" to enter the "Location Information" interface to quickly turn on or off location information.
4	Wi-Fi Status	Indicates that Wi-Fi is currently connected. If not connected, the icon is not displayed. You can quickly turn on or off the connection to Wi-Fi by sliding down from anywhere on the "Remote Controller Interface" to enter the "Pull-Down Shortcut Menu".
5	Back Button	Tap the button to return to the previous page.
6	Home Button	Tap the button to jump to the "Remote Controller Main Interface".
7	"Recent apps" Button	Tap the button to view all background programs currently running and take screenshots. Press and hold the application to be closed and slide up to

		close the application. Select the interface where you want to take a screenshot, and tap the "Screenshot" button to print, transfer via Bluetooth, or edit the screenshot.
8	Files	The app is installed in the system by default. Tap it to manage the files saved in the current system.
9	Gallery	The app is installed in the system by default. Tap it to view the images saved by the current system.
10	Autel Enterprise	Flight software. The flight application starts by default when the remote controller is turned on. For more information, see "Chapter 6 Flight Application" .
11	Chrome	Google Chrome. The app is installed in the system by default. When the remote controller is connected to the Internet, you can use it to browse web pages and access Internet resources.
12	Settings	The system settings app of the remote controller. Tap it to enter the settings function, and you can set the network, Bluetooth, applications and notifications, battery, display, sound, storage, location information, security, language, gestures, date and time, device Name, etc.
13	Maxitools	It supports the log function and can restore factory settings.

 Tip

- The remote controller supports the installation of third-party Android apps, but you need to obtain the installation packages on your own.
- The remote controller has a screen aspect ratio of 4:3, and some third-party app interfaces may encounter compatibility issues.

Table 4-8 List of Pre-installed Apps on the Remote Controller

No.	Pre-installed App	Device Compatibility	Software Version	Operating System Version
1	Files	√	11	Android 11
2	Gallery	√	1.1.40030	Android 11
3	Autel Enterprise	√	V2.1.105	Android 11
4	Chrome	√	68.0.3440.70	Android 11
5	Settings	√	11	Android 11

6	Maxitools	√	2.45	Android 11
7	Google Pinyin Input	√	4.5.2.193126728-arm64-v8a	Android 11
8	Android Keyboard (AOSP)	√	11	Android 11

Tip

- Please be aware that the factory version of the flight application may vary depending on subsequent function upgrades.

4.8.2 Pull-Down Shortcut Menu

Slide down from anywhere on the "Remote Controller Interface", or slide down from the top of the screen in any app to display the system status notification bar, and then slide down again to bring up the "Pull-Down Shortcut Menu".

In the "Pull-Down Shortcut Menu", you can quickly set Wi-Fi, Bluetooth, screenshot, screen recording, airplane mode, screen brightness, and remote controller sound.

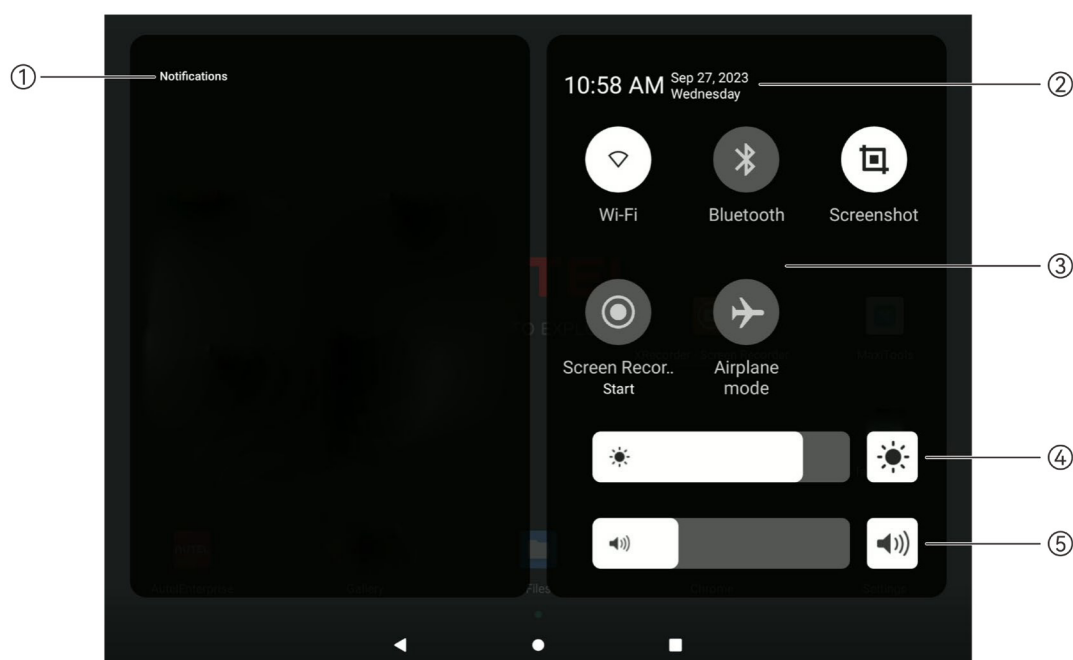


Fig 4-12 Pull-Down Shortcut Menu

Table 4-9 Pull-Down Shortcut Menu Details

No.	name	Description
1	Notification Center	Displays system or app notifications.
2	Time and Date	Displays the current system time, date, and week of the

remote controller.

3	Wi-Fi	Tap the “  ” icon to enable or disable the Wi-Fi function. Press and hold it to enter WLAN settings and select the wireless network to be connected.
	Bluetooth	Tap the “  ” icon to enable or disable the Bluetooth function. Press and hold it to enter the Bluetooth settings and select the Bluetooth to be connected.
	Screenshot	Tap the “  ” icon to use the screenshot function, which will capture the current screen (hide the Pull-Down Shortcut Menu to take a screenshot).
	Screen Recor.. Start	After tapping on the “  ” icon, a dialog box will pop up, where you can choose whether to enable the functions of recording audio and displaying the touch screen position, and then tap the "Start" button, wait for 3 seconds, and start screen recording. Tap the icon again or tap “Screen Recorder” to turn off screen recording.
	Airplane mode	Tap the “  ” icon to turn on or off the airplane mode, that is, to turn on or turn off the Wi-Fi and Bluetooth functions at the same time.
4	Screen Brightness Adjustment	Drag the slider to adjust the screen brightness.
5	Volume Adjustment	Drag the slider to adjust the media volume.

4.9 Frequency Matching Between the Aircraft and the Remote Controller

Only after the remote controller and the aircraft are matched in frequency can users operate the aircraft using the remote controller.

The remote controller and the aircraft support two modes of matching: single-aircraft matching and multi-aircraft frequency matching. They differ in following aspects:

- Single-Aircraft Matching: 1 RC matches with 1 aircraft in frequency.
- Multi-aircraft frequency matching: It supports frequency matching between up to 2 RCs and 2 aircrafts, which comprise a team.

Note

- The aircraft included in the aircraft kit has already been matched in frequency with the remote controller provided in the kit at the factory by using the single-aircraft matching.

No matching is required after the aircraft is powered on. Normally, after completing the aircraft activation process, users can directly use the remote controller to operate the aircraft.

- If the aircraft and the remote controller become unmatched due to other reasons, please follow the above steps to match the aircraft with the remote controller in frequency again.

■ One RC Matches with One Aircraft when the RC is On

1. Turn on the RC and the aircraft.
2. After entering the main interface of the flight application, tap “” and then “” to enter the single-aircraft frequency matching. At this time, the aircraft battery indicator enters the sync flashing status.
3. Double press the power button of the aircraft, and then the arm lights of the aircraft will turn green and flash quickly, waiting for the RC to complete auto matching.
4. After the aircraft is matched with the RC, the battery indicator and arm lights will stop flashing and the image transmission picture of the gimbal camera appears in the RC.

■ One RC Matches with One Aircraft when the RC is off (Force Match)

When the RC is off, users can force match the RC with the aircraft. The procedures are as follows:

1. Press and hold the power button and the take-off/return-to-home button of the remote controller at the same time until the battery level indicators of the remote controller blink quickly, which indicates that the remote controller has entered the forced frequency pairing state.
2. Make sure that the aircraft is turned on. Double-click the power button of the aircraft, and the front and rear arm lights of the aircraft will turn green and blink quickly.
3. When the front and rear arm lights of the aircraft and the battery level indicator of the remote controller stop blinking, it indicates that the frequency matching is successfully done.

■ Multi-aircraft frequency matching

1. Choose one of those RCs and turn it on, and enter the main interface of its flight application, tap “” and then “” to enter “Multi-aircraft frequency” interface, tap “Add device” button to enter multi-aircraft frequency matching mode. At this time the RC battery indicator blinks quickly.
2. Select one of those aircrafts and turn it on, press its power button quickly and press and hold the button until the arm lights of the aircraft blink quickly (among which the rear arm lights turn yellow and blink quickly), which indicates that the aircraft enters the multi-aircraft frequency matching mode, waiting for the RC to complete auto frequency matching.
3. After the RC and the aircraft are matched in frequency successfully, the RC’s battery level indicators blink quickly but the arm lights of the aircraft stop flashing, in “My team” interface RCs and aircrafts in the team are displayed.
4. Users then can repeat the step 2 to add 1 more aircraft into the team; they can also choose another RC, enter the main interface of the flight application on the RC, tap “” and then “” to enter “Multi-Aircraft frequency” interface, tap “Join the team” button to enter multi-aircraft frequency matching mode and add the RC into the team.
5. After multi-aircraft frequency matching is completed, in the “My team” interface of the RC used in the step 1, tap “Finish” button to complete the building of the team.