

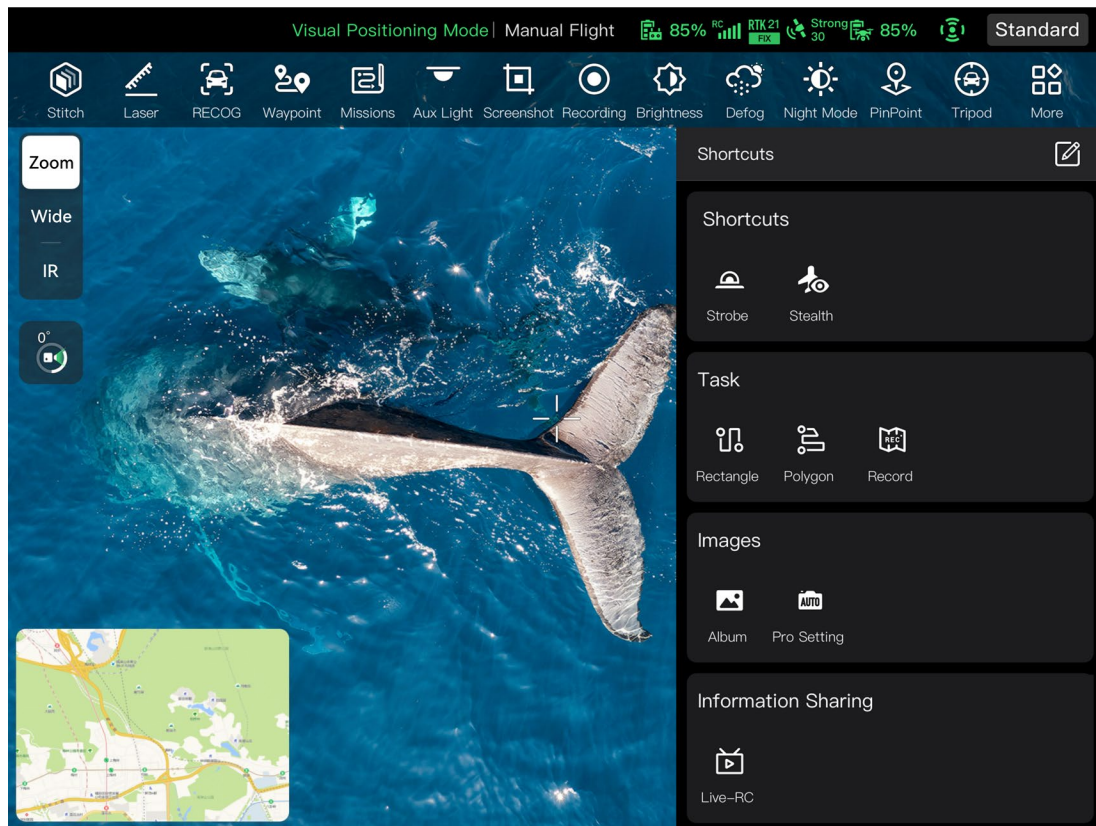


Fig 6-3 Shortcut Toolbar

Table 6-4 Shortcut Toolbar Details

No.	Icon	Name	Description
1		Stitch	Click this icon to configure the remote controller to connect to a server with 2D and 3D mapping software installed, which allows for fast mapping.
2		Laser	Click this icon to automatically measure the distance from the target point at the center of the lens to the aircraft, as well as the target point's altitude and coordinates (longitude and latitude).
3		RECOG	Click this icon to intelligently identify the target object type.
4		Waypoint	Click this icon to enter the "Waypoint" mission editing interface.
5		Missions	Click this icon to enter the "Missions" interface, where you can query, edit, favorite, and delete previously saved historical flight missions.
6		Aux Light	Click this icon to turn on the bottom LED auxiliary light, which can assist in landing and enhance the

			aircraft's visual sensing capabilities in weak-light environments.
7		Screenshot	Click this icon to capture the current screen in a screenshot.
8		Recording	Click this icon to start recording the current screen.
9		Brightness	Click this icon to move the slider left and right to adjust the brightness of the camera.
10		Defog	Click this icon to make the shooting or recording scene more transparent and enhance color contrast, which is used to eliminate the "fogging phenomenon" in the picture or the lack of picture clarity caused by smog.
11		Night Mode	Click this icon to enter night shooting mode. Even when shooting in a low-light environment, the picture will remain clear.
12		PinPoint	Click this icon to display information such as the latitude, longitude, and altitude of the target point selected on the image transmission interface.
13		Tripod	Click this icon, and the aircraft will automatically lock onto the selected target.
14		More	Click this icon to enter the "Shortcuts", where you can view all shortcut function icons.
15		Edit Shortcuts	Click this icon to add function icons from "Shortcuts" to the "Shortcut Toolbar" or move the function icons in the "Shortcut Toolbar" to "Shortcuts".
16		Strobe	Click this icon to turn on the strobe on the top of the aircraft fuselage.
17		Stealth	Click this icon, and the aircraft will turn off the arm lights, strobes, and auxiliary bottom lights.
18		Rectangle	Click this icon to enter the "Rectangle" mission editing interface.
19		Polygon	Click this icon to enter the "Polygon" mission editing interface.
20		Record	Click this icon to record real-time attitude, motion, and other parameters of the aircraft and gimbal

			camera during a flight mission, which allows for repeating the operation process for the next mission.
21		Album	Click this icon to view materials from the aircraft's album and the local album and download or delete them.
22		Professional Imagery	Click this icon to make professional settings for the gimbal camera parameters.
23		Live-RC	Click this icon to set live streaming of real-time aerial videos from the aircraft. Two streaming methods, that is, RTMP and GB28181, are supported.
24		Support	Click this icon to enter the "Personal Center" interface.
25		Settings	Click this icon to enter the "Settings" interface.
26		Flight Log	Click this icon to view the flight logs of the aircraft or synchronize them to a third-party platform. To use this function, you need to log in to your Autel account.
27		Encrypt	Click this icon to set a security password for encrypting captured media materials.
28		Log	Click this icon to query the flight logs of the aircraft. To use this function, you need to log in to your Autel account.

6.5 “Settings” Interface

On the main interface of the Autel Enterprise App, click the “” icon on the right side of the shortcut toolbar, and then click the “” icon to enter the "Settings" interface.

In the "Settings" interface, you can set parameters such as flight control, obstacle avoidance, remote controller, image transmission, battery, and gimbal.

6.5.1 Flight Control Parameter Setting

In the sidebar of the “Settings” interface, click the “” icon to enter the "Flight Control Parameter Setting" interface, where you can set the relevant flight control parameters for the aircraft, as shown below.

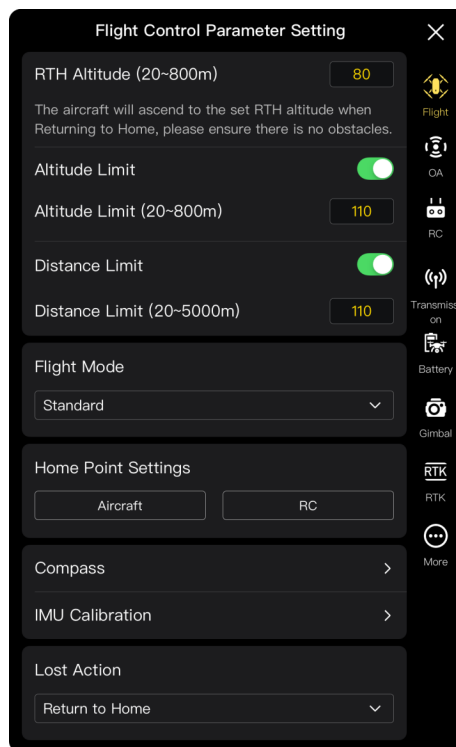


Fig 6-4 "Flight Control Parameter Setting" interface

■ Set RTH Altitude

Click the "RTH Altitude" edit box and enter the value. When executing an auto-return, the aircraft will rise to the RTH altitude before starting the return process.

Warning

- Although the Autel Enterprise App allows you to set a flight altitude within the range of 20-800 meters, this does not mean that the set altitude complies with local laws and regulations.
- The RTH altitude should be set higher than the altitude of obstacles within the flight operation area.
- The RTH altitude setting should comply with local (within the flight operation area) laws and regulations.
- For information about adjusting the RTH altitude of the aircraft, see ["2.7.4 Auto-return Mechanism"](#) in Chapter 2.

■ Turn On/Off Altitude Limit

Click the button on the right side of "Altitude Limit" to turn on or off the altitude limit function.

- If this function is turned on, enter the altitude limit value in the edit box of "Altitude Limit (20-800m)" that pops up below, and the aircraft can rise up to the maximum altitude specified.
- If this function is turned off, the aircraft can keep ascending according to your operation until the battery is exhausted.

 Tip

- The altitude limit should not be set lower than the RTH altitude value.
- The altitude limit setting should comply with local (within the flight operation area) laws and regulations. Flying the aircraft in an unsuitable flight altitude may have legal risks. Please comply with the flight safety requirements of relevant areas during flight operations.

■ Turn On/Off Distance Limit

Click the button on the right side of "Distance Limit" to turn on or off the distance limit function.

- If this function is turned on, enter the distance limit value in the edit box of "Distance Limit (20-5000m)" that pops up below, and the aircraft will fly within a circle with the take-off point as the center and the distance limit value as the radius.
- If this function is turned off, the aircraft can keep moving according to your operation until the battery is exhausted.

 Tip

- Appropriate altitude limit and distance limit settings can improve flight safety.

■ Set Flight Mode

Click the "Flight Mode" drop-down list, and then select the appropriate mode from Slow, Smooth, Standard, and Ludicrous, that is, set the default speed mode every time you open the Autel Enterprise App. For the meaning of each mode, see "[3.8.2 Flight Modes](#)" in Chapter 3.

■ Set Home Point

Click "Aircraft" or "RC" to set the home point.

- If "Aircraft" is selected, the home point is the position where the aircraft took off this time.
- If "RC" is selected, the home point is the current position of the remote controller.

 Note

- If the home point is not set, the aircraft will record the take-off point as the default home point.

■ Calibrate Compass

Perform the calibration operation as instructed in the Autel Enterprise App. For more information, see "[2.11 Aircraft Calibration](#)" in Chapter 2.

■ Set Lost Action

Click the drop-down list of "Lost Action" to set the aircraft actions when disconnected.

Lost action refers to the action that the aircraft will perform when the aircraft is disconnected from the remote controller during flight. By default, the lost action is set to "Return to Home".

- If "Return to Home" is selected, when the aircraft disconnects, the aircraft will automatically return to the home point.
- If "Hovering" is selected, when the aircraft disconnects, the aircraft will hover at the current position.
- If "Land" is selected, when the aircraft disconnects, the aircraft will land at the current position.

Tip

- When the aircraft is disconnected from the remote controller, the aircraft will decelerate. If the connection is not restored after 4 seconds, the aircraft will execute the "Lost Action".
- When the aircraft initiates a return to home due to a disconnection, even if the aircraft re-connects to the remote controller, it will continue the return process. In this case, you can short press the "Pause" button on the remote controller to pause the return process or long press the "Pause" button for 2 seconds to exit the return process to regain control of the aircraft.

6.5.2 OA Settings

In the sidebar of the "Settings" interface, click the "" icon to enter the "OA Settings" interface, where you can set the OA system, brake distance, warning distance, radar display, obstacle detection notification sound, landing protection, and OA mode of the aircraft, as shown below.

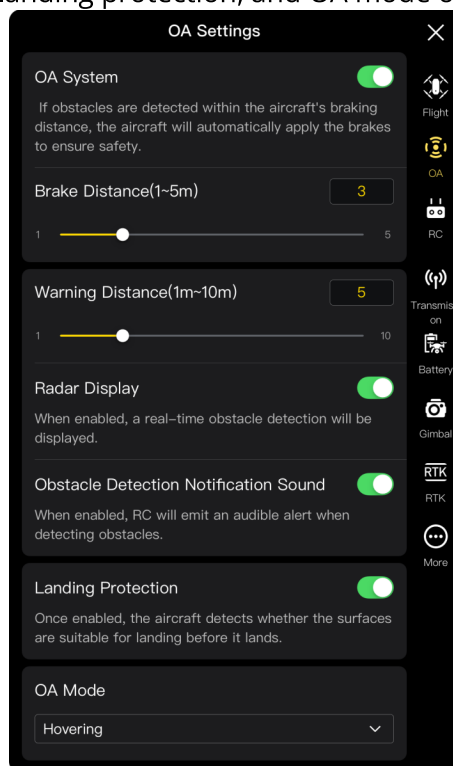


Fig 6-5 "OA Settings" Interface

■ Turn On/Off OA System

Click the button to the right of "OA system" to turn on/off the OA system function.

- If this function is turned on, you can set the brake distance. Enter a value in the edit box to the right of "Brake Distance (1-5m)" that pops up below, or adjust the value by moving the slider below left and right. When the aircraft detects an obstacle, it will stop at the brake distance as set.
- If this function is turned off, when the aircraft detects an obstacle, it will not stop.

⚠ Warning

- To ensure flight safety, it is recommended to always turn the OA system on.
- When the flight mode of the aircraft is set to "Ludicrous", the OA system function is unavailable.

■ Set Warning Distance

Enter a value in the edit box to the right of "Warning Distance (1m-10m)", or adjust the value by moving the slider below left and right. If the aircraft detects an obstacle, it will send a warning at the warning distance as set.

■ Turn On/Off Radar Display

Click the button to the right of "Radar Display" to turn on or off the radar display function.

- If this function is turned on, when the aircraft detects an obstacle, it will provide risk warnings on the camera interface based on the set brake/warning distance.
- If this function is turned off, when the aircraft detects an obstacle, it will not provide risk warnings on the camera interface.

■ Turn On/Off Obstacle Detection Notification Sound

Click the button to the right of "Obstacle Detection Notification Sound" to turn on or off the obstacle detection notification sound function.

- If this function is turned on, when the aircraft detects an obstacle, it will emit an audible alert.

■ Turn On/Off Landing Protection

Click the button to the right of "Landing Protection" to turn on or off the landing protection function.

- If this function is turned on, the aircraft will detect whether the ground surfaces are suitable for landing before it lands.

💡 Tip

- After the landing protection function is turned on, if the aircraft detects that the ground surface is not suitable for landing, it will keep hovering over the landing point. In this case, you need to use the command sticks to manually control the aircraft to land at an appropriate location.

■ OA Mode

Select the desired OA mode from the drop-down list of "OA Mode".

After the OA mode is set, the aircraft will perform the corresponding action when detecting obstacles. The default OA mode is "Hovering".

- If "Off" is selected, then the aircraft will not conduct any OA action.
- If "Hovering" is selected, when the aircraft detects an obstacle during flight, it will hover at the current position.

Note

- In the current version, when the OA mode is set to "Bypass", the aircraft will ascend to an altitude that allows it to bypass obstacles. In future versions, the aircraft will have the capability to prioritize bypassing obstacles from the left or right side of the obstacles.

6.5.3 RC Settings

In the sidebar of the "Settings" interface, click the "RC" icon to enter the "RC Settings" interface, where you can set the stick mode, RC custom buttons, and EXP, and calibrate the remote controller, as shown below.

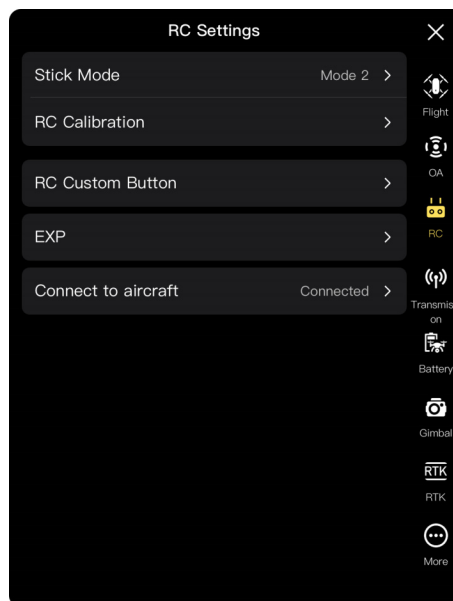


Fig 6-6 "RC Settings" Interface

■ Set Stick Mode

Click "Stick Mode" and select one of the three stick modes, that is, Mode 1, Mode 2, and Mode 3, according to your preferences. For the differences between the three stick modes, see ["4.10.1 Stick Modes"](#) in Chapter 4. The default stick mode is Mode 2.

■ Calibrate the Remote Controller

Perform the calibration operation as instructed in the Autel Enterprise App. For more information, see ["4.13 Calibrating the Remote Controller"](#) in Chapter 4.

■ Set RC Custom Button C1/C2

Click "RC Custom Button", and then click the drop-down list of C1 or C2, and select the customized function according to your needs. For more information, see ["4.11.1 Custom Keys C1 and C2"](#) in Chapter 4.

■ Set EXP

After clicking "EXP", drag the coordinate system curves of "Ascend", "Turn Right", and "Forward/Move Right" according to your needs, or input coefficients (in the range of 0.2-0.7) in each edit box.

The X-axis is the physical output of the command stick, and the Y-axis is the logical output of the command stick. That is, the X-axis represents the movement generated by the current command stick move, and the Y-axis represents the actual response strength of the current aircraft.

When the coefficient is 0.2, the slope of the curve increases gradually, which is convenient for fine-tuning; when the coefficient is 0.7, the slope of the curve gradually decreases, and the aircraft responds strongly when the command stick is slightly moved. Click "Reset EXP Parameters" to reset the EXP parameters.

■ Connect to Aircraft

- Connect to aircraft: If the remote controller is currently not connected to the aircraft, click "Connect to aircraft", and then double-click the power button of the aircraft according to the pop-up notification to complete the frequency pairing between the remote controller and the aircraft. For more information, see ["4.9 Frequency Pairing With the Remote Controller"](#) in Chapter 4.
- Cancel: If the remote controller is currently connected to the aircraft, click "Connect to aircraft", and then click "Cancel" in the pop-up window to disconnect the remote controller from the aircraft.

6.5.4 Image Transmission Settings

In the sidebar of the "Settings" interface, click the "Ⓜ" icon to enter the "Image Transmission Settings" interface, where you can set the image transmission mode, transmission frequency band, and split screen effect, as shown below.

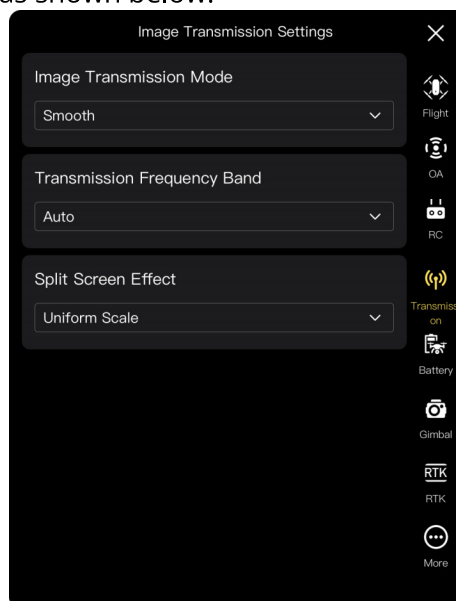


Fig 6-7 "Image Transmission Settings" Interface

■ Set Image Transmission Mode

Click the drop-down list of "Image Transmission Mode" and select "Smooth" or "HD" according to your needs. Once selected, the remote controller will receive and display the image transmission screen at the selected resolution.

 Tip

- "Smooth" means 720P and "HD" means 1080P.

■ Set Transmission Frequency Band

Click the drop-down list of "Transmission Frequency Band" and select a transmission frequency band according to your needs.

- Auto: The optimal transmission frequency band is automatically selected for image transmission between the aircraft and the remote controller.
- 2.4G: The 2.4 GHz frequency band is used for image transmission between the aircraft and the remote controller.
- 5.8G: The 5.8 GHz frequency band is used for image transmission between the aircraft and the remote controller.

■ Set Split Screen Effect

Click the drop-down list of "Split Screen Effect", and select "Uniform Scale" or "Fit the Screen" according to your needs.

- Uniform Scale: In dual-screen mode, the image transmission screen is proportionally reduced.
- Fit the screen: In dual-screen mode, the image transmission screen is stretched to cover the screen.

 Tip

- The split screen effect settings are only effective when the remote controller is in dual-screen mode.

6.5.5 Aircraft Battery

In the sidebar of the "Settings" interface, click the  icon to enter the "Battery Information" interface, where you can view the basic information of the current aircraft battery (that is, smart battery), set the battery warning threshold, and enable the hot swap battery function, as shown below.