



# COMMANDO 8 Lite

## 用户手册

## USER MANUAL



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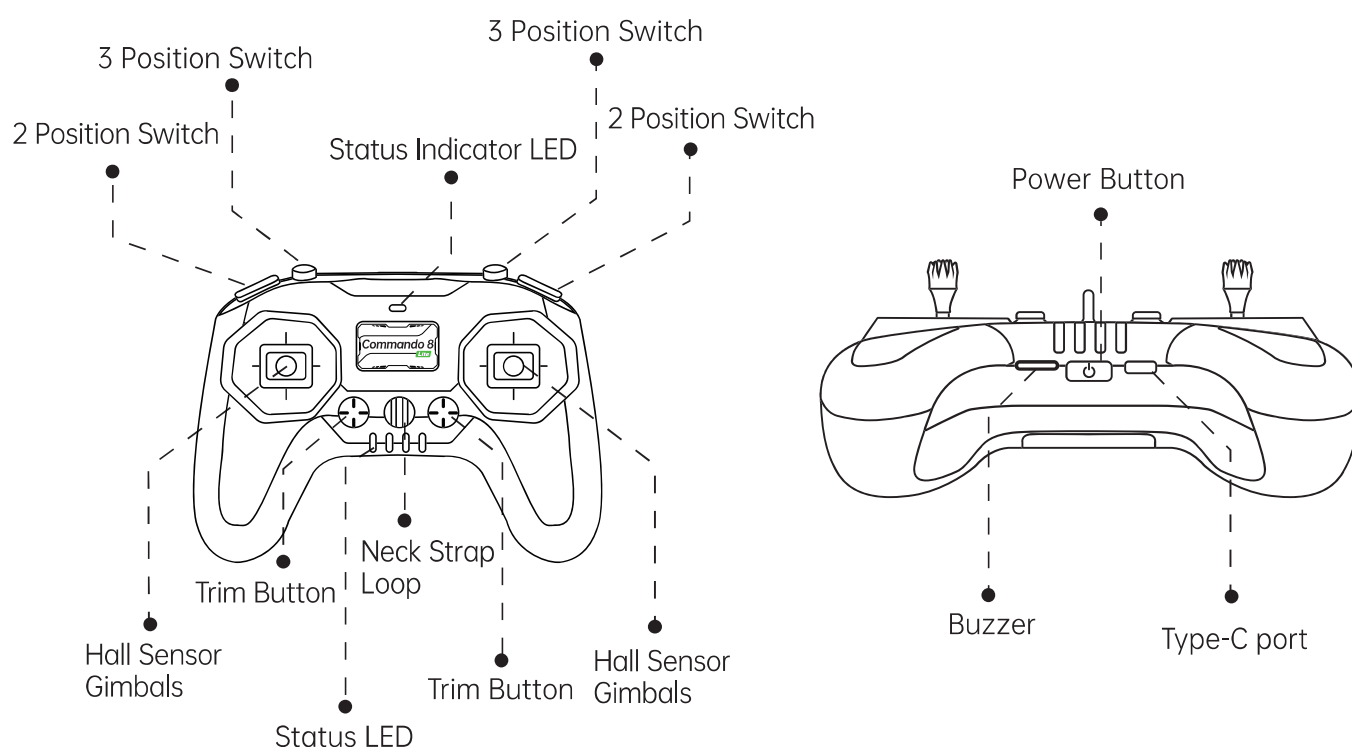
# Disclaimer

1. This product is used with models such as multi-rotors or fixed-wing aircrafts. Many remote controlled crafts are equipped with powerful motors and sharp propellers. Please use with caution!
2. This product is not a toy, it needs a certain basic knowledge to control. Please read the Manual before use! HuiZhou iFlight Intelligent Technology Ltd. reserves the right to update this Manual.
3. Once you start using this product you agree to have understood, recognized and accepted all the terms and contents of this document. The user agrees to be responsible for his own actions all consequences arising therefrom.

## I. Introduction

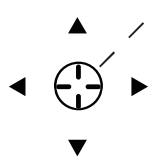
Commando 8 Lite is an FPV remote control with a self-developed system. The simple and convenient design allows users to get started quickly. Standard Hall Sensor Gimbal improves the smoothness and accuracy of flight operations. Built-in ELRS (ExpressLRS) 2.4GHz 100mW RF module provides strong support for stability and response speed. In addition to the standard configuration, this remote control also has certain extensibility and can achieve longer flight distances by adding an external antenna. Built-in antenna and removable stick ends make it easier to carry.

The Commando 8 Lite remote control is not only suitable for beginners but also provides a more efficient and convenient flying experience for senior FPV users.



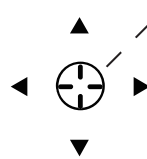
## 5-Axis Menu Button Definition

### Left Trim



Press twice the button to trim back to the center

### Right Trim

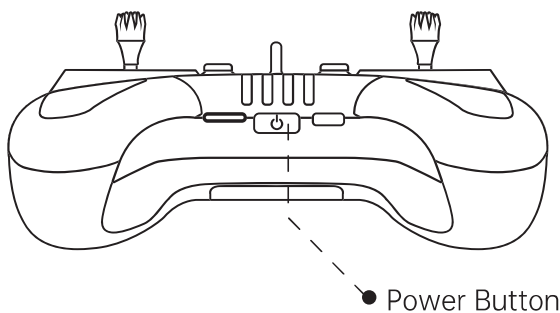


Press twice the button to trim back to the center

Press and hold to enter gimbal calibration mode

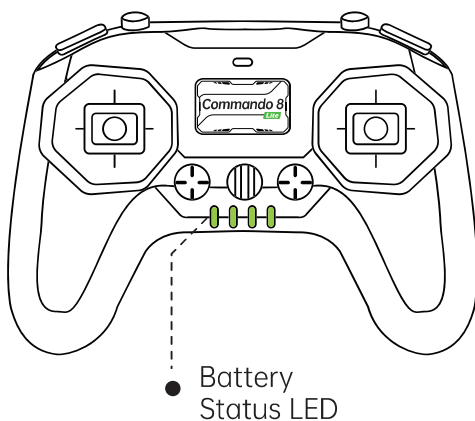
## II. Power On/Off

1. Short Press for the LED battery status indicator.
2. Short Press, then press and hold 3 seconds to power ON or OFF.



## III. Battery Level Indicator

### Battery Status LED



#### Indicator Light

100% - 80% power, 4 LEDs

80%-60% power, 3 LEDs

60%-40% power, 2 LEDs

40%-20% power, 1 LED

20%-5%, 1 LED and flashing

Below 5%, 1 LED and flashing with continuous beeping

No light and continuous haptic feedback

will force automatic shutdown after 2 minutes or lower than 2.8V battery.

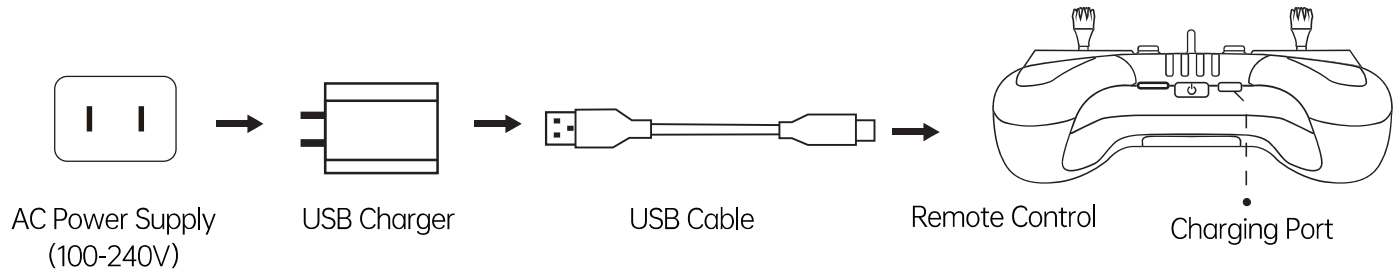
## IV. Charging Instructions

It is recommended to use a standard USB charger of 10W or above that supports a 5V 2A power supply.

Commando 8 Lite has a built-in 3.7V Li-ion battery and supports Type-C charging. The nominal battery voltage is 3.7V and the maximum voltage is 4.2V.

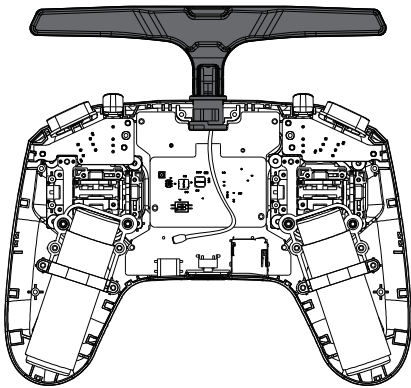
Don't charge damaged or faulty cells and do not charge it unattended. Charge in a safe area away from flammable materials.

The user is responsible for all consequences caused by the wrong use or abuse of this product.

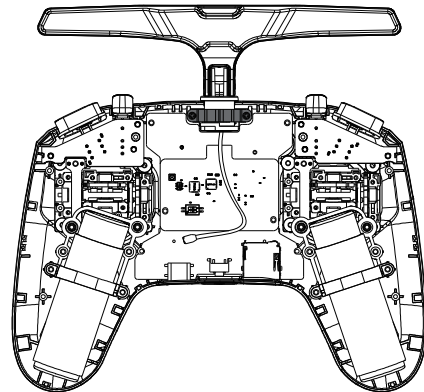


## V. Antenna Switching (Additional Installation Required)

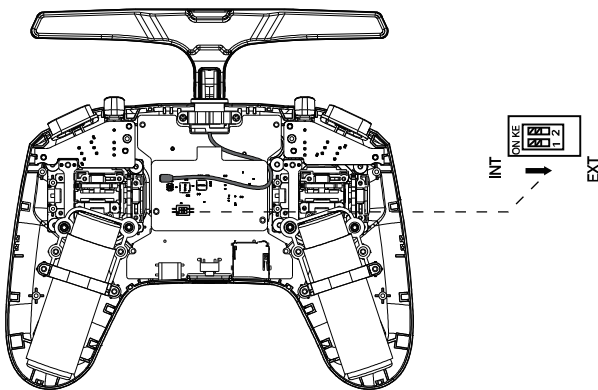
External antenna installation (optional):



1. Remove the back cover of the remote control and unfold the antenna. Install the antenna into the bracket with the logo facing downwards.

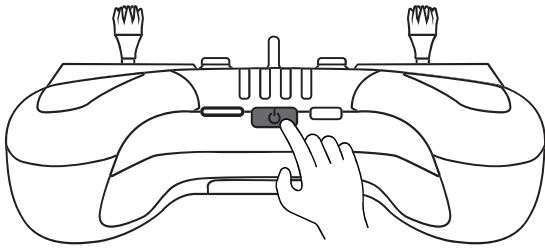


2. Install the metal dome and tighten two screws.



3. Connect the ipex port of the antenna to the RF module, and set all DIP switches on the RF module to the EXT position. Install the back cover of the remote control to complete the installation of the external antenna.

## VI. Binding (ELRS)



Press and hold the power button for 2 seconds

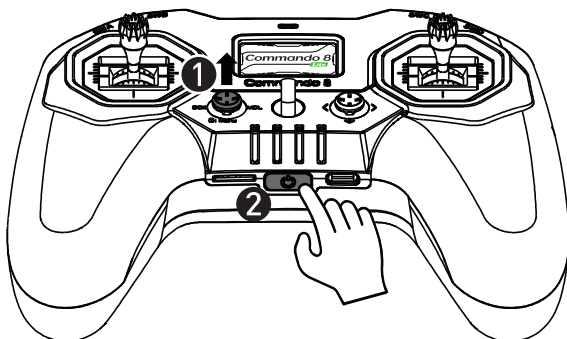
### Remote Control Binding Process:

1. Power up the receiver three times, the blue light blinks twice indicating the binding mode.
2. When the remote control is powered on, press and hold the power button for 2 seconds, then the remote control buzzer will start to beep three times, indicating it enters the binding mode.
3. After binding successfully, both the receiver and the remote control status LED will turn solid blue.

## VII. Firmware Flashing Mode

### Entering RF module firmware flashing mode

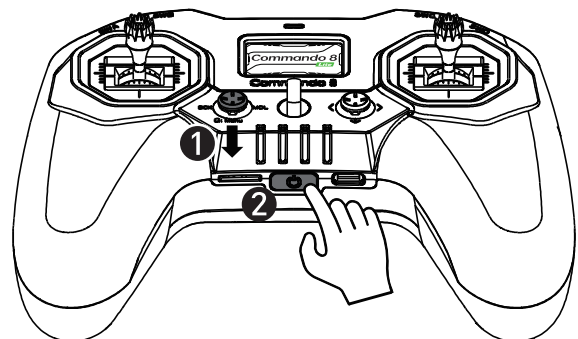
1. Press the ↑ key of the left 5-Axis menu button, and press and hold the power button until the battery status LED flashes twice, then enter the wired flashing RF module mode. Press and hold the power button to exit the flashing mode.



- ① Press the ↑ key of the 5-Axis menu button
- ② Press and hold the power button

### Enter the remote control mainboard firmware flashing mode

1. Press the ↓ key of the left 5-Axis menu button, and press and hold the power button until the battery status LED scrolling flash, then enter the wired flashing remote control mainboard mode, press and hold the power button to exit the flashing mode.

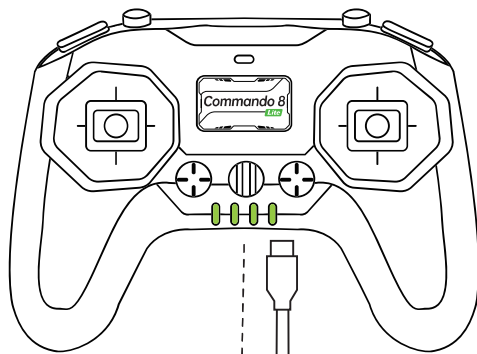


- ① Press the ↓ key of the 5-Axis menu button
- ② Press and hold the power button

\*For more specific flashing process please refer to iFlight tutorial on the official website.

## VIII. Wired Simulator

Power on the remote control, then connect the computer with a USB-C cable and automatically enter simulator mode.

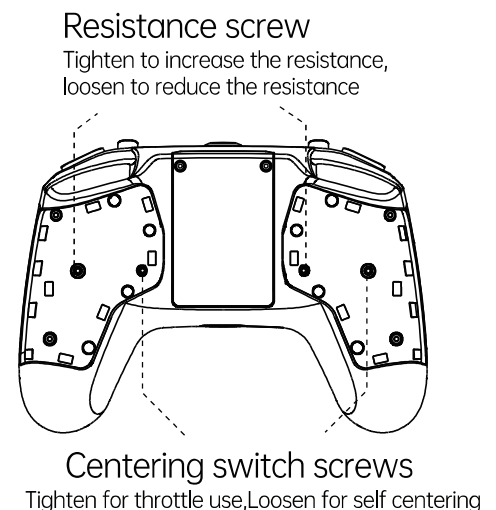


- ① Power on
- ② Connect with a USB-C cable

## IX. Gimbal Mode and Calibration

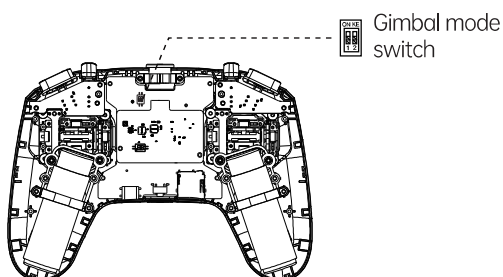
### 1. Example: Mode1 to Mode2

- Loosen the centering screw on your left hand gimbal until the stick centers itself.
- Adjust the left hand gimbal resistance screw to your preference.
- Tighten the right hand centering screw to lock self centering.
- Adjust the right hand gimbal resistance screw to your preference.



2. The default MODE for the Commando 8 Lite is Mode2, users can switch the mode according to their own habits, the throttle stick mode switching method is as follows

- Disassemble the RF module cover, you can see a 2-digit DIP switch, set the switch to the specified position according to the diagram below to switch the stick mode.



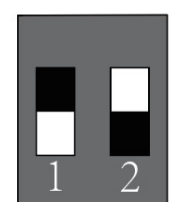
Mode 1



Mode 2

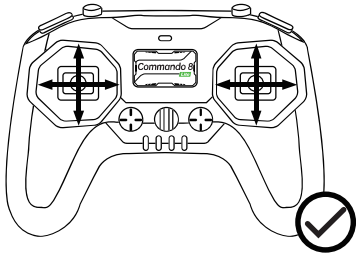


Mode 3



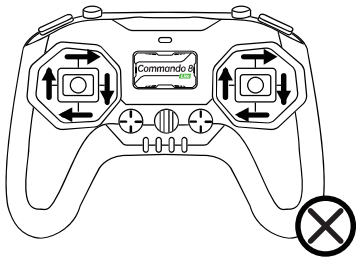
Mode 4

### 3. Gimbal Calibration



Press and hold the right 5-Axis menu button for two seconds when the remote is powered on, the first LED will start flashing, this indicates entering the gimbal stick calibration process.

Press the right 5-Axis menu button and the second LED will start flashing while placing the stick in the physical center position.



Do not circle when calibrating the sticks

Press the right 5-Axis menu button again, and the third LED will start flashing, then move the stick at this point and make sure that both sticks reach the maximum and minimum strokes.

Press the right 5-Axis menu button again, and the fourth LED will start flashing, the remote control has recorded the size of the stickstrokes, press and hold for two seconds to exit the calibration.

## X. Product Specifications

Weight: 275g±10

Size: 118\*165\*72mm

Frequency: 2.400GHz-2.480GHz

Output Power: 100mW

Transmit Module: ELRS 2.4GHz

Supported Protocol: ELRS

Channels: Up to 8 channels(4 gimbals+4 switches)

Gimbal: High precision hall sensor gimbals

Operation Temperature: 0° to 40°C

Charging Temperature: 5° to 40°C

Battery Type: Lithium-ion battery

Batteries: 3.7V 2000mAh 7.4Wh\*2

Capacity: 14.8 Wh





[www.iflight.com](http://www.iflight.com)



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