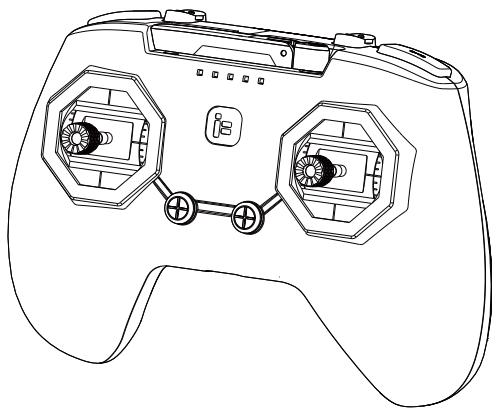




COMMANDO 8 Nano

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!

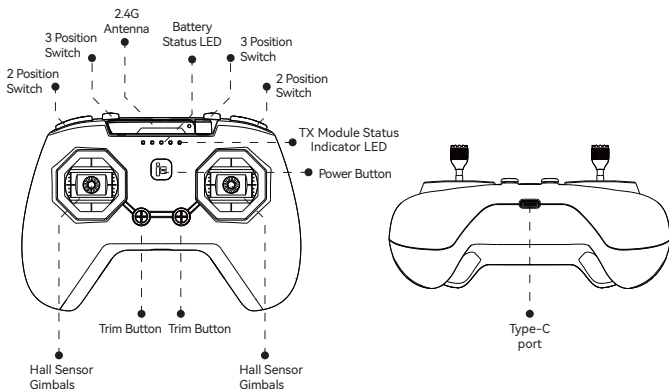
2. This product is not a toy, it needs a certain basic knowledge to control. Please read the Manual before use!

HuiZhou iFlight Intelligent Technology Ltd. reserves the right to update this Manual.

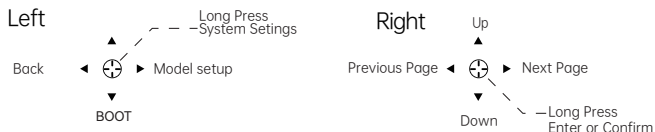
3. Once you start using this product you agree to have understood, recognized and accepted all the terms and contents of this document. The user agrees to be responsible for his own actions and all consequences arising therefrom.

Introduction

Commando 8 Nano is a compact and portable FPV drone remote controller, featuring the Commando TX system. Its minimalist design allows users to quickly get started. Standard features include hall sensor gimbals, enhancing control smoothness and precision. The built-in ELRS 2.4GHz TX module ensures stability and rapid response. The compact and lightweight design balances portability and control experience. Commando 8 Nano is suitable for beginners and light flight users, providing efficient and convenient flight control, making it an ideal choice for FPV drone remote control devices.



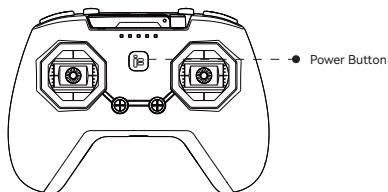
5-Axis Menu Button Definition



When the Remote Controller is turned off and no USB plugged in, press and hold down the BOOT button then press the Power Button to enter Bootloader mode.

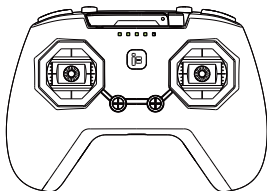
Power On/Off

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



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

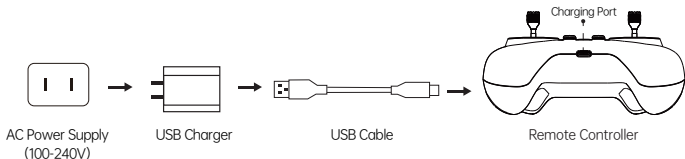
Below 5%, 1 LED and flashing with continuous beeping

No light and continuous haptic feedback will force automatic shutdown after 2 minutes or lower than 2.8V battery.

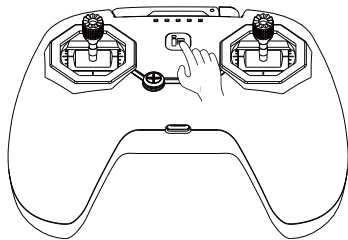
Charging Instructions

It is recommended to use a USB charger of 20W or above that supports Huawei FCP, Samsung AFC, MTK PE+1.1/2.0 fast charge and complies with FCC/CE standards. The Commando8 has a built-in Li-ion battery and Type-C fast charging. The nominal battery Voltage is 3.6V, 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 wrong use or abuse of this product.



Binding (ELRS)



Long press the power button for 2 second

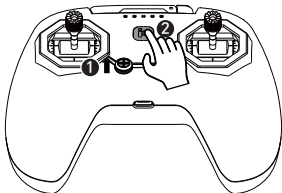
Remote Controller Binding Process:

1. Plug and unplug the USB port for three times, the blue light flashes twice indicates entering the binding mode.
2. When the remote controller is powered on, press and hold the power button for 2 seconds, then the remote controller buzzer will start to beep three times, indicates it enters the binding mode.
3. After binding successfully, both the receiver and the remote controller status LED will turn to solid blue.

Firmware Flashing Mode

1. Entering TX module firmware flashing mode

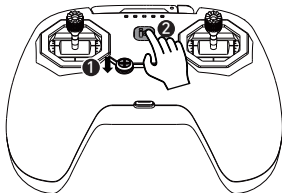
Press the ↑ key of the left 5-Axis menu button, and press and hold the power button until the battery status LED flashes twice, then enter the wired flashing TX module mode. Press and hold the power button to exit the flashing mode.



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

2. Enter the remote controller mainboard firmware flashing mode

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 controller mainboard mode, press and hold the power button to exit the flashing mode.

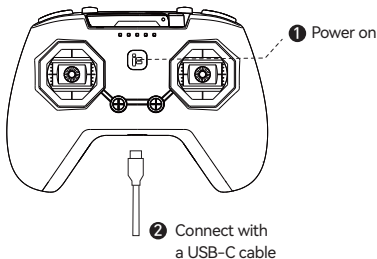


- ① Press the ↓ key of the 5-Axis menu button
- ② Press and hold the power button

*For more specific flashing process please refer to iFlight tutorial.

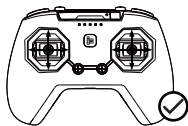
Wired Simulator

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



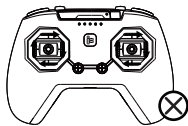
Gimbal Mode and Calibration

1. Gimbal Calibration



Long press the right 5-Axis menu button for two seconds when the remote controller is powered on, The first LED will start flashing, indicating that you have entered the gimbal calibration mode.

Short press the right 5-Axis menu button and the second LED will start flashing. Now set both gimbals to their physical center positions.



Do not circle the gimbal when calibrating.

Short press the right 5-Axis menu button again, the third LED will start flashing. Now move both gimbals and make sure each one reaches its full range of motion, from minimum to maximum.

Short press the right 5-Axis menu button again, the fourth LED will flash. This means the remote controller has successfully recorded the gimbal range. Long press for 2 seconds to exit the calibration process.

Product Specifications

Weight: 165g+10g

Size: 138*105*72mm

Transmission Frequency: 2.400GHz-2.480GHz

Transmission Power: 100mW

Transmitter 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

Capacity: 3.7V 1100mAh 4.07Wh * 2Energy: 8.14Wh