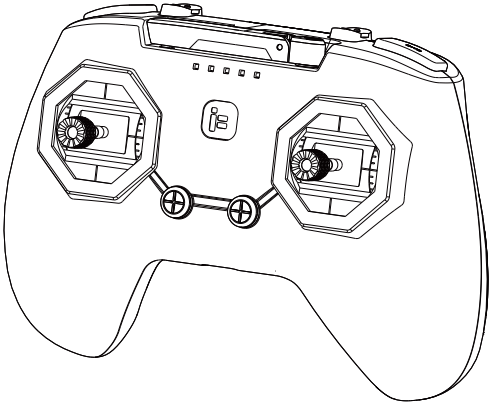
COMMANDO 8 Nano

快速上手基础指南

USER MANUAL



V1.0 250424

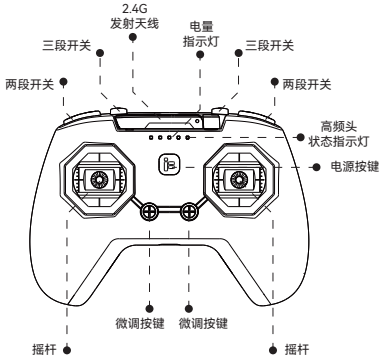
目录

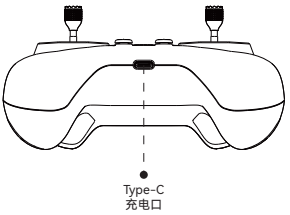
免责声明

1. 本产品配合多旋翼或者固定翼飞行器等模型使用，许多遥控模型都配备了动力强劲的电机和锋利的螺旋桨,操作时,需要谨慎使用。
2. 本产品并非玩具,需要有一定的基础知识才能控制,所以要循序渐进,在开始使用前 , 请特别留意其中的注意与警告,惠州市翼飞智能科技有限公司(iFlight)保留更新本《免责声明与概要》的权利。
3. 一旦开始使用本产品，即视为您已理解、认可和接受本文档的全部条款和内容，使用者承诺对自己的行为及因此而产生的所有后果负责，使用者承诺仅处于正当目的的使用本产品并且同意本文档全部条款和内容及 iFlight 可能制定的任何相关政策或者准则。

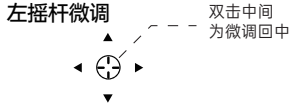
一、简介

Commando 8 Nano 是一款小巧便携的穿越机遥控器，搭载 Commando TX 系统，简约设计让用户快速上手。标配霍尔遥杆，提升操控流畅性与精准度，内置 ELRS 2.4GHz 高频头，确保稳定性与快速响应。紧凑轻便的外形设计，兼顾便携性与操控体验。Commando 8 Nano 适用于入门玩家与轻度飞行用户，提供高效便捷的飞行操控，是穿越机遥控设备的理想选择。



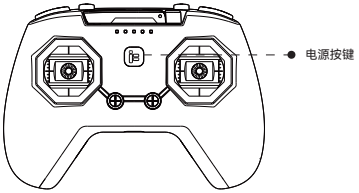


五维按键的定义



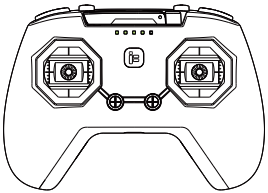
二、开关机

1、短按一次可检查电量。
2、短按一次，再长按3秒可开启、关闭遥控器。



三、电量显示

电量显示标识

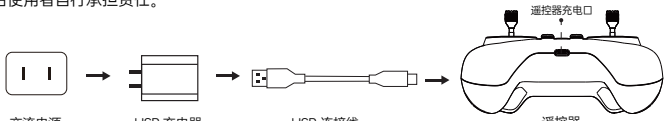


电量为100%-80%，亮4颗灯。
电量为80%-60%，亮3颗灯。
电量为60%-40%，亮2颗灯。
电量为40%-20%，亮1颗灯。
电量为20%-5%，亮1颗灯，处于快速闪烁状态
电量低于5%，亮1颗灯，处于快速闪烁状态并有持续的蜂鸣器提醒。
欠电状态下，无电源灯亮起，有持续的蜂鸣器提醒，2分钟后或低于2.8V后将强制自动关机。

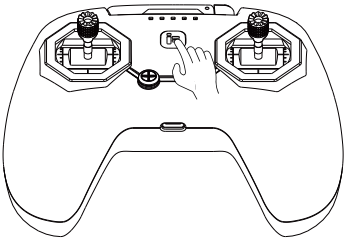
四、充电

推荐使用 10W 及以上的支持 5V2A 供电，标准的 USB 充电器。

Commando8 Nano 内置了 3.7V Li-ion 电池以及 Type-C 充电功能。标称电池电压为 3.7v，最大充电电压为 4.2v。请使用者定期检查电池的电压和状况，切勿在无人看守的情况下为其充电。请务必始终在远离可燃材料的安全区域中充电。对于不按照安全规范使用或滥用本产品造成的一切不良后果，均由使用者自行承担责任。



五、对频（ELRS）



长按电源按键2秒

遥控器对频操作流程：

1. 接收机反复通电三次，蓝灯闪烁两次代表进入对频模式。

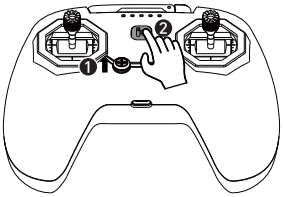
2. 遥控器在开机状态下，长按电源按键2秒，此时遥控器蜂鸣器发出"滴滴滴"连续三声，代表进入对频模式。

3. 对频成功后，接收机和遥控器状态灯均为蓝灯常亮。

六、固件刷写模式

一、进入高频头固件刷写模式

1. 按住左五维按键的↑键，再长按电源键，直至电量显示灯两两左右闪烁，即可进入线刷高频头模式，长按电源键可退出刷写模式

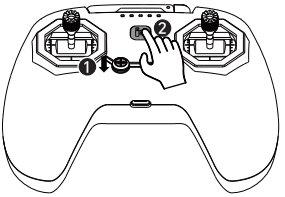


❶ 按住五维按键↑键

❷ 长按开机键

二、进入遥控器主板固件刷写模式

1. 按住左五维按键的↓键，再长按电源键，直至电量显示灯滚动闪烁即可进入线刷遥控器主板模式， 长按电源键可退出刷写模式



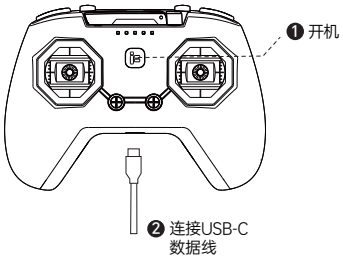
❶ 按住五维按键↓键

❷ 长按开机键

*详细刷写过程见iFlight官方视频教程

七、有线模拟器

开机后使用数据线连接电脑自动进入模拟器模式

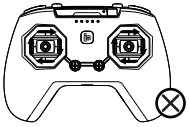


九、摇杆模式切换及校准

1、摇杆校准

开机状态长按右侧的五维按键两秒，第一颗LED灯将开始闪烁这表明已经进入了摇杆校准过程。

短按右侧的五维按键，第二颗LED灯将开始闪烁同时将摇杆放至物理中位



校准摇杆时请勿打圈

再次短按右侧的五维按键，第三颗LED灯将开始闪烁此时开始移动摇杆，并确保两个摇杆都达到最大与最小行程。

再次短按右侧的五维按键，第四颗LED灯将开始闪烁遥控器已记录摇杆行程大小，长按两秒退出摇杆校准。

十、产品规格

重量：165g+10g
规格尺寸：138*105*72mm
传输频率：2.400GHz-2.480GHz
发射功率：100mW
发射器模块：ELRS 2.4GHz
支持的协议：ELRS
通道数：8通道 （4摇杆+4开关）
摇杆：高精度模拟霍尔摇杆
工作环境温度：0℃至40℃
充电环境温度：5℃至40℃
电池类型：锂离子电池
容量：3.7V 1100mAh 4.07Wh*2
能量：8.14Wh

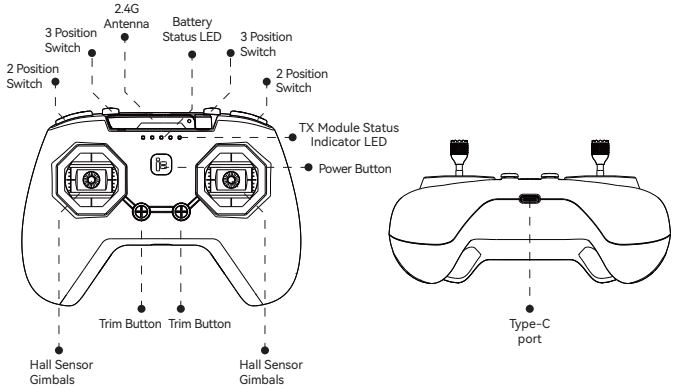
CONTENT

Disclaimer

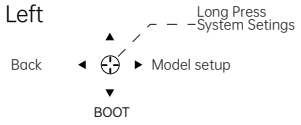
1. This product is used with models such as multi-rotors or fixed-wing aircrafts.
Many remote controlled crafts are equipped with powerful motors and sharp propellers.Please use with caution!
2. This product is not a toy, it needs a certain basic knowledge to control. Please read the Manual before use!
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.

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.



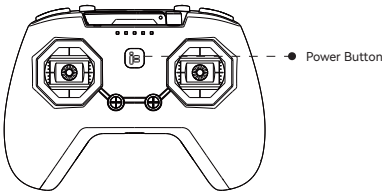
5-Axis Menu Button Definition



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.

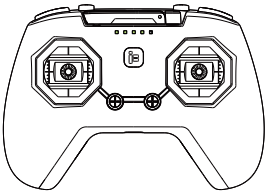
Power On/Off

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

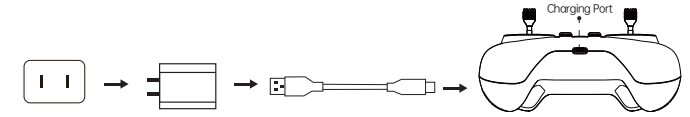
Battery Status LED



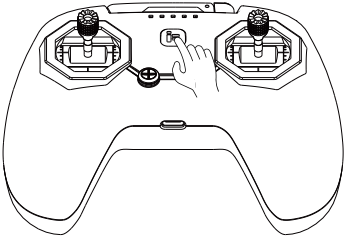
Indicator Light
100% - 80% power, 4 LEDs
80%-60% power, 3 LEDs
60%-40% power, 2 LEDs
40%-20% power, 1 LED
20%-5%, 1 LED and flashing
Below 5%, 1 LED and flashing with continuous beeping
No light and continuous haptic feedback
will force automatic shutdown after 2 minutes or lower than 2.8V battery.

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

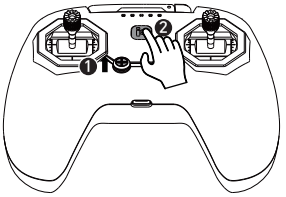
Remote Controller Binding Process:

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.

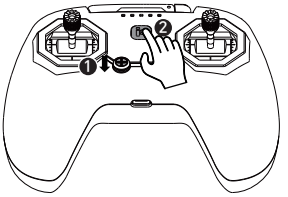


❶ Press the ↑ key of the 5-Axis menu button

❷ 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.



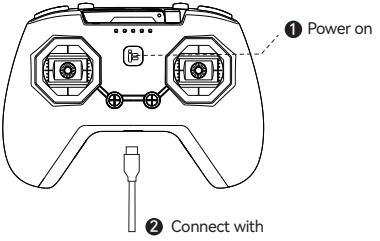
❶ Press the ↓ key of the 5-Axis menu button

❷ Press and hold the power button

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

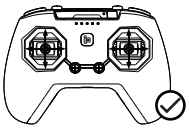
Wired Simulator

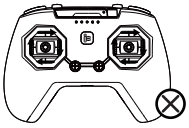
Power on the remote controller, then connect the computer with a USB-C cable and automatically enter simulator mode.



Gimbal Mode and Calibration

1.Gimbal Calibration





Do not circle the gimbal when calibrating.

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.

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 + 4switches)

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