Noble Pro

NB4 Pro



Quick Start Guide

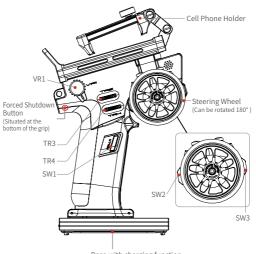
Precaution!

For your own safety: make sure to download and read the Disclaimer & Warning documentation from the Flysky website before using this product.

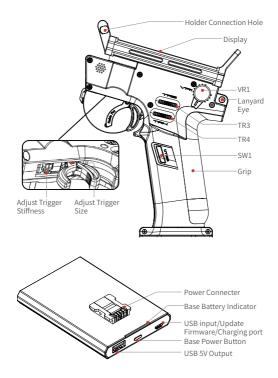
Flysky Website: www.flysky-cn.com

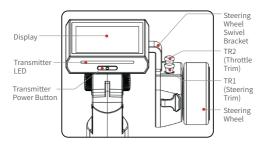
- For best signal quality the transmitters antenna must be kept at least 20 cm away from all your body and must not be juxtaposed or operated close to other transmitters. Antenna installation instructions and transmitter operating conditions that meet RF signal emissions must be provided to end users and installers.
- 2. Hereby, [Flysky Technology co., Ltd] declares the RF equipment [Noble Pro (NB4 Pro), FG4 Pro] to be in accordance with RED2014/53/EU.
- 3. The full text of the EU DoC is available at: www.flysky-cn.com

Transmitter Overview

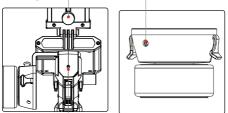


Base with charging function (Detachable Base)





Adjust the Length of the Cell Phone Holder. Adjust Steering Wheel Stiffness



Adjust Trigger stroke length

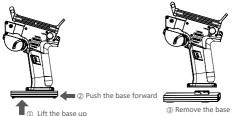
 For more information about the transmitter, please refer to the user manual.

Detachable Base

The transmitter base is a removeable base.

Base power button: press for a short time to charge the battery at the transmitter handle and to charge external devices. Press for 2 seconds to turn off the output of the power supply.

When the transmitter needs to be charged or when charging the base, plug in the micro USB cable and charge it through the USB port located on the base.

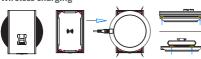


Note: The NB4 pro should not be charged during use!

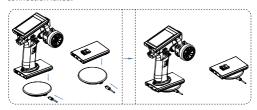
Charging Mode

There are two charging modes for NB4 pro, one is by connecting the USB cable, the other is by wireless charging. When the battery is fully charged, the 4 LEDs on the base are solid on in blue.

Wireless charging



- The four bumps of the transmitter base should be connected to the base of the wireless charging transmitter.
- When the transmitter base indicator of the wireless charger is blue, it indicates the connection is successful and there is ongoing charging.
- When the transmitter base indicator of the wireless charger is red, it indicates the transmitter base is not connected, or the connection failed.



When the transmitter base indicator of the wireless charger is blue and solid on, it indicates that the battery is fully charged. It takes about 8.5 hours to fully charge in the entire system (including the transmitter, base, and wireless charger base).



If the transmitter base of the wireless charger is not used properly, it will lead to ineffective charging, or the charging efficiency may be affected.

There are the following non-standard operations: transmitter base is not aligned with the wireless charger base, the base may be tilted, or the four bumps are not connected to the base.

Notes:

1. In order to prolong the service life of the battery, don't to fully

charge it for a long time, and it should be properly discharged, and charge it regularly to prevent damage to the battery from over-discharge. It is recommended that the storage voltage of battery is about 3.80~3.90V in case of preservation.

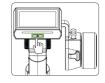
- 2. Please use the micro USB cable shipped with this transmitter to charge it. Improper use may cause charging failure.
- 3. Do not charge the transmitter and external devices at the same time, otherwise it may affect the transmitter's charging saturation time, even when the external equipment load is too large, the overload protection will be triggered.

Power On

To power on the transmitter.

Function Setup:

- Before use make sure that the battery is fully charged.
- Press and hold the transmitter power button until the screen turns on.



Power Off

To power off the transmitter.

Function Setup:

- Disconnect the receiver from it's power supply.
- Press and hold the transmitters power button until the screen powers off.



Always power off the receiver before the transmitter, failure to do so can result out of control. Unreasonable setting of the Failsafe may cause accidents.

LED Indicator

The NB4 pro has 2 status indicators, one below the screen is on the top of the transmitter and one is located at the detachable hase

Transmitter LFD

The LED can be set to five different colors; red, green, blue, vellow and white. You can also turn the LED off completely.

Function Setup:

- Touch the function menu icon . then touch the [System] icon and navigate to LED:
- 2. Touch [LED];
- 3. Select a color by touching it. The color will be updated in real time.
- Press the back icon to save and exit.

Base Battery Indicator

The Base Battery Indicator has 4 LEDs and is mainly used to display bases battery level.

When the base battery voltage is low, the base LED will only have one LED light on and start flashing.

When charging the LED will flash and the amount of active LEDs will increase as the battery charges.

⚠ Failsafe Function

This function protects the user by preventing the model from behaving unexpectedly if signal is lost.

Under the Failsafe menu, you can set to no output status for i-BUS &PPM signals. You can set all channels separately to no output, hold or fixed value. You can set all channels with fixed value to the current output value.

Failsafe Setup:

[i-BUS &PPM signal no output] After the [i-BUS &PPM signal no output] is enabled, regardless of the setting of the failsafe, these two types of failsafe signals are always no output. By default, the system is in the enabled status.

If the checkbox on the right of the option is not ticked (\lor), it indicates that the function is disabled. After the failover, you can set by channel: fixed value or keeping the last output value.

[Channel 1~Channel 18] Can be used to set the output signal states of channels 1~18 respectively: [No output] means the PWM channel interface is suspended in case of out-of-control; [Hold] means the last channel value is kept in case of out-of-control; [Fixed value] means the configured channel value is output in case of out-of-control. Steps of setting are in the below:

- 1. Select the channel to be set and enter the submenu.
- Select the desired function options. If the fixed value is selected, turn the steering wheel(throttle trigger or knob) to the desired position and hold it, and click Back icon to return. The settings are completed.

[Set All Fixed Value Channels] Can be used to set the output value of all channels controlled by a controller that has been set to a fixed value after out-of-control.



For safty, it is recommended that all users pre-set this function before use.

Servos Frequency

This function is used to adjust the servo control frequency. This function can be used for analog servos (95Hz), digital servos (380Hz) and can also be set to custom frequency. Digital servos and custom frequency range between 50-400Hz. The servo speed varies slightly with the connected receivers.

To connect to the classic receiver:

- 1. Click [Servos Frequency].
- Click on the right side of the corresponding function. then touch the back icon

 ✓ to save and exit.
- If the transmitter RF standard is set to [AFHDS3 1 Way], modify the servos speed, the system prompts "After switching you need re-binding, are you sure?"
- If you select [Custom], click the "+" or "-" to adjust the frequency.

To connect to the enhanced receiver:

[SR] One of the specifications in the servos speed (PWM frequency is 833 Hz).

[SFR] One of the specifications in the servos speed (PWM frequency is 1000 Hz).

[Synchronized with RF]: The digital signal of low frequency is synchronized with the digital signal of radio frequency.

Note: The conventional servos speed (PWM frequency) is 50-400 Hz. The delay of the whole system will be greatly improved when SR and SFR are selected. Make sure that the adapted servo supports the corresponding frequency. Otherwise, it may cause the servo not to



work properly or even damage the servo.

Function Setup:

- 1. Click [Servos Frequency].
- Click [Steering: Digital Servo] or other options to enter the function setting menu.
- Click the right side of the corresponding servosspeed according to the actual state of the adapted receiver. Click to return to the previous menu.



Both the analog servos (95Hz) and the digital servos (380Hz) are common servo frequencies and as such, are available as presets for quick setup. In order for servos to operate normally they must receive the correct frequency, to find the frequency refer to the servos' user manual.

Firmware Update

The firmware of the transmitter can be updated by connecting to a Windows computer using a micro USB cable. Once this function is activated, all transmitter functions will stop working. To prevent the vehicle from losing control, power off the receiver before attempting to use this function.



- Use the micro USB cable provided.
- Do not disconnect the micro USB cable while the firmware is being updated!
- When the computer can not recognize the transmitter, check whether the base is well conencted.

How to Update:

- 1. Download and open the latest official firmware;
- 2. Connect the transmitter to the computer via the micro USB cable first;
- Click the main interface icon to enter the function menu and select [SYSTEM];
- Touch [Firmware Update]. The system will display the warning: "Updating the transmitter firmware may cause model data to be restored to factory defaults. Are you sure?", touch [YES] to continue.
- 5. After completing the above steps, the computer update software window pops up, click [Update] to start the update.6. Once the update is complete, the transmitter will exit the update
 - Once the update is complete, the transmitter will exit the update status automatically and reboot. (It is now safe to remove the micro USB cable. And close the firmware wizard.)



RF Module Update

How To Update:

- Click the main interface icon to enter the function menu.
- Select [MODEL], and navigate to then touch [Radio Frequency Setup]. Then touch [Update RF]. The system will prompts "The RF firewarewill be updated. Are You Sure?", select [YES] to continue. The transmitter will exit the RF update status automatically when the update is finished.

Note: If the transmitter can not enter the RF updating status, there is probably no RF module or the RF module doesn't work.

Update Receiver

Update the firmware of the receiver by the transmitter which has bound with the receiver and has the built-in firmware of the receiver. You can also update it by Flysky Assistant that establishes a connection with the transmitter.

Function Setup:

- 1. Click [Update Receiver]
- 2. Select suitable receiver, then click [Update]

Notes:

- Some receivers such as GMR and INr4 need to be updated by "Flysky Assistant", Download "Flysky Assistant" via Flysky official website.
- Make sure the transmitter and receiver are bound. Navigate
 to [Receiver Setting], click [Update Receiver], the system
 will then display a prompt "Update receiver, are you sure?".
 Touch "YES" to update.
- 3. If the receiver is not bound or connected to the transmitter

the transmitter will display the prompt "Please connect XXX or enable XXX to enter the mandatory update mode". Touch [OK] to enter updating status.

While updating the firmware of the receiver, the transmitter is unable to bind with the receiver, the receiver need to update the firmware mandatorily.

To Enter Mandatory Update mode:

Power on the receiver while pressing the BIND button for then approximately ten seconds, until the LED flashes three times and one off, release the BIND button.

Note: How to put the receiver to enter its mandatory update mode, please refer to the user maual of the receiver.

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Binding

The transmitter and receiver have already been pre-bound at the factory, however if you wish to bind again or bind a new receiver follow the steps below:

- Turn on the transmitter. Click the main interface icon to enter
 the function menu and nevigate to [RX SET], then select [Bind
 Set]. Choose [Classic Rx] or [Enhanced Rx] according to your real
 receiver.(If two receivers are used, click the check box on the right
 side of [Two Rx Mode], then set the start channel), then touch
 [Start Bind] to put the transmitter to enter bind mode.
- 2. Put the receiver to enter bind mode.
- 3. The binding process is complete when the LED of the receiver stops flashing and is solid on.
- Check to make sure the transmitter and receiver functions are working correctly, repeat steps 1 to 3 (binding process) if any problems arise.

Notes:

- When you choose one-way communication, the receiver does not send the data to the transimitter, the indicator flashes slowly after the receiver receives the bind information. You need to manually switch the transmitter from the bind state. When the LED of the receiver is on, it indicates the success of the bind.
- Flysky AFHDS 3 classic version receiver models: FTr10/FGr4/ FGr4s/FGr4p/FTr4/FTr16S. Other Flysky AFHDS 3 receivers are enhanced version receivers.
- If you want to use the dual receiver mode, click the check box on the right side of [Two Rx Mode]. The icon will change and then the transmitter will enter dual receiver mode. After selection, bind the transmitter with the primary receiver and the secondary receiver in turn.

Specifications

Noble Pro(NB4 Pro)

Suitable Models Cars/Boats/Robots/Ironclads

Channels It can be selected: 2(Extreme-speed), 4, 6, 8, 10, 12 or 18 channels

Frequency Range 2.4GHz ISM

Transmission Power < 20dBm (EU)

RF Protocol AFHDS 3

Low Voltage Alarm < 3.65V

Data input/output Port Micro USB

Charging Port Micro USB + Wireless Charging
Antenna Type Built-in Single Antenna

1S/4.2V Lithium Battery + 18650 Dual-

Input Power Battery

Online Update Yes

Range > 300m(Without Cell Phone Holder)

Dimensions 120*144*274mm

Weight 670g (With Cell Phone Holder)

Certification CE, FCC ID: N4ZFG400

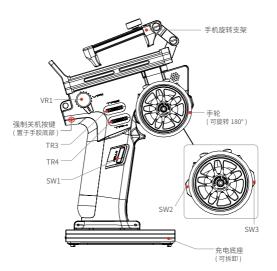
注意事项!

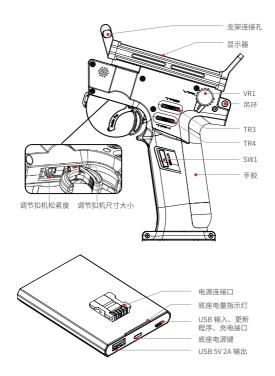
开始使用前请务必在 Flysky 官网下载并阅读《免责声明 & 警告》了解安全注意事项,并在 Flysky 官网下载阅读使用说明书。

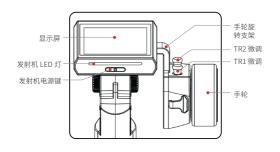
Flysky 官网地址:www.flyskytech.com

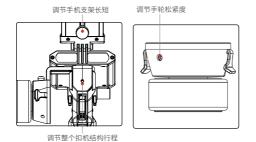
- 1. 发射机的天线必须距离所有人员或其他发射机至少 20 厘米的间隔 距离。必须将天线安装说明和满足射频讯号辐射的发射机操作条件提 供给终端用户和安装人员。
- 2. 特此,【Flysky Technology co., Ltd】声明无线电设备【Noble Pro(NB4 Pro), FG4 Pro】符合 RED2014/53/EU.
- 3. 欧盟 DoC 声明全文可在以下互联网地址: www.flysky-cn.com获取。

发射机概览









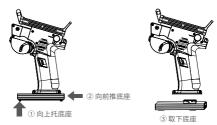
关于 Noble Pro 发射机的更多操作请阅读使用说明书。

发射机底座

发射机底座可拆卸。

按下底座电源键,底座电量指示灯亮起,即给发射机充电或 USB 输 出端口输出 5V 电压,可给外部设备充电。再次长按底座电源键,底 座电量指示灯灭,同时停止充电。

当发射机需要充电时 ,通过底座 USB 输入端,连接 Micro USB 数据线即可充电。

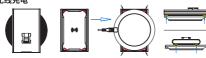


 请勿同时给发射机及外部设备充电,否则可能影响发射机充电 饱和时间,甚至外部设备负载过大时,会触发过载保护。

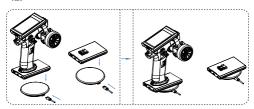
充电

Noble Pro 发射机有两种充电方式: Micro USB 线插入充电口充电或使用无线充电底座对其进行充电。电量充满后底座4颗蓝灯常亮。

无线充电



- 发射机底座的四个凸点要卡住无线充发射端底座。
- 无线充发射端底座指示灯呈蓝色表示连接成功正在充电。
- 无线充发射端底座指示灯呈红色表示未连接发射机底座或连接不规范。



无线充发射端底座指示灯呈蓝色常亮表示电量已经充满。整机(含发射机和发射机底座以及无线充发射端底座)充满电量时间约8.5小时。

如果无线充发射端底座使用不规范会导致充电无效,甚至有损充电效率。

发射机底座未与无线充底盘对齐、放置倾斜或四个凸点未卡住 地盘都属于不规范操作。

注:

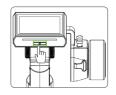
- 为延长电池使用寿命,长时间放置请注意不要满电,应适当放电后 再进行放置,并且应定期充电防止电池过放损坏;建议电池保存电 压为 3.8~3.9V。
- 请使用本款发射机标配的 USB 数据线对其进行充电,使用不当则可能导致充电失败。
- 请勿同时给发射机及外部设备充电,否则可能影响发射机充电饱和时间,甚至外部设备负载过大时会触发过载保护。

开机

开启 Noble Pro 发射机。

功能设置:

- 检查系统状态,确保电池电量充足;
- 2. 长按发射机电源键,直至屏幕亮起,表示开机。

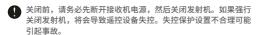


关机

关闭 Noble Pro 发射机。

功能设置:

- 1 断开接收机由源:
- 2. 长按发射机电源键, 直至屏幕熄灭, 表示关机。



LED 指示灯

Noble Pro 有两种 LED 指示灯,分别是发射机 LED 灯、底座电量指示灯。

发射机 LED 灯

有五种颜色,分别为红色、绿色、蓝色、黄色、白色,也可以关闭 LED 灯显示。

功能设置:

1. 点击进入 主界面 图图标,进入功能菜单界面,选择进入[系统设置];

- 2. 点击 [LED],进入设置界面;
- 3. 根据需要选择颜色,点击 ◎ 图标,显示 ◎ 表示选择成功,同时发射机 LED 指示灯会显示对应颜色。
- 4. 设置完成后点击此图标 (, 即可退出。

底座电量指示灯

由四个 LED 灯组成,主要用于显示底座的电池电量。

当底座电量低时底座 LED 灯将会仅有一个 LED 灯亮同时闪烁;当底 座正在充电时,LED 灯将会闪烁,同时按照实际电量 LED 灯灯亮个 数也会变化。

⚠ 失控保护

失控保护功能用于在接收机失去信号不受控制后,接收机按预设方 式进行输出,保护模型及人员安全。

在失控保护菜单下可设置针对 i-BUS&PPM 信号无输出状态;可对 所有通道单独设置:无输出、保持或固定值;可将所有已设固定值 的通道设为当前输出值。

功能设置:

[i-BUS & PPM 信号无输出] 此功能选择后,不管各通道失控保护如何设置,这两类信号失控保护始终为无输出,系统默认开启状态。

选项右侧的选项框无 √即未开启。失控后按通道设置: 固定值或者保持最后输出值。

[通道 1~通道 18] 可分别设置通道 1~18 输出信号状态: [无输出]表示失控时 PWM 通道接口为悬空状态; [保持]表示失控时保持输出最后通道值; [固定值]表示失控时输出设置的通道值。

1. 选择需要设置的通道,进入子菜单;

2. 选择合适功能项;若选择固定值,则将手轮(扣机或旋钮)拨到需要的位置并保持,同时点击返回图标即完成设置。

[设置所有固定值通道]用于设置某个控件所控且已设固定值的所有通道失控后的输出值。

点击此功能项后,同时将控件拨到需要的位置并保持,在弹出的提示 菜单"设置所有失控保护为固定值的通道失控保护值为当前输出值, 确定?",点击[是]即完成。

/ 注意

为保证安全,请用户在使用前预先设定好失控保护值

舵机响应速度

此功能用于调节通道输出控制舵机频率,该功能包括模拟舵机 (95Hz)、数字舵机 (380Hz)、自定义频率,可根据使用的舵机 选择或设置正确的输出频率值,系统默认数字舵机,自定义频率调节 范围在50-400Hz之间。

连接不同的接收机,舵机响应速度的功能略有不同。

连接经典版接收机

功能设置:

- 1. 点击进入[舵机响应速度];

若发射机高频设置选择 [AFHDS3 单向], 修改舵机响应速度,点击【将弹出提示 "对码或重新对码后生效、是否对码?"

3. 若选择[自定义],请点击屏幕"+"或"-"



连接增强版接收机

[SR]: 舵机响应速度中的一种规格(PWM 频率为 833HZ)。

[SFR]: 舵机响应速度中的一种规格 (PWM 频率为 1000HZ) 。

[与高频同步]:低频率的数字信号与高频率的数字信号同步。

注: 常规的舵机响应速度(即PWM的频率)是50-400Hz,当选用SR、SFR时整个系统的延时会得到很大的提升,请确保适配的舵机支持对应的频率的,否则可能导致舵机无法正常工作,甚至损坏舵机。

功能设置:

- 1. 点击进入 [舵机响应速度];
- 点击[方向:数字舵机]或其他选项进入功能设置界面;
- 根据适配接收机的实际情况选择点击 对应舵机响应速度选项,点击
 Ⅰ返回 トー级界面:



模拟舵机 (95Hz)、数字舵机 (380Hz)为市场上较通用舵机频率值,故单独设定以便用户快捷操作,为了使舵机正常运行,请先查阅舵机使用说明书确认舵机正确频率,然后通过该功能对舵机频率数值进行更改。

固件更新

此发射机的内置软件程序能够通过使用 Micro USB 线与 windows 计 算机连接后进行软件更新升级。一旦此功能被激活后,发射机所有 功能将停止工作。为了防止车辆失去控制,请在进入此功能前断开 接收机电源。

<u>∕</u> 警告

- •请使用原厂的 USB 线
- 当固件正在更新时请勿断开 USB 线
- 电脑无法识别遥控器连接时请检查电池底座是否接触良好

更新步骤:

- 1. 下载并打开最新的官方固件;
- 2. 诵过 USB 线先将发射机连接至电脑;
- 3. 点击主界面 ■图标,进入功能菜单界面,点击[系统设置]功能;
- 点击[固件更新],弹出提示界面"更新固件可能会导致模型数据恢复成出厂默认值是否更新?",点击[是]即可进入更新模式。
- 5. 电脑端更新固件窗口弹出,点击 [Update] 后开始更新。
- 更新完成后,发射机将会自动退出更新状态,并重新开机。(断开 USB 线连接,以及关闭电脑更新固件)



系统更新完成后可能会导致接收机无法连接,此时需要更新高频与接收机

更新高频

更新步骤:

1. 点击主界面 ■图标,进入功能菜单界面;

 选择进入[模型设置],点击[高频设置]进入设置界面,点击[更 新高频],在弹出的提示界面点击[是]后,界面弹出更新进度条, 等待几秒后更新完成后发射机自动退出更新界面。

注: 如发射机无法进入更新高频状态,可能是无高频模块或高频模块故障。

更新接收机

接收机固件更新可以通过对码已建立连接且内置了接收机固件的发射机更新;或者通过与发射机建立连接的"富斯遥控管家"完成更新。

功能设置:

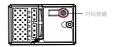
- 1. 点击 [更新接收机]
- 2. 选择接收机后,点击[更新],进入更新后,进度100%时,更新成功。 注: 1. GMR、INr4等一部分接收机需使用"富斯遥控管家"进行更新, 请在富斯官网下载"富斯谣控管家"。
- 2. 如果接收机与发射机已经对码成功,并且建立连接,如接收机为最新版本,则弹出提示[当前版本已是新版本,无需升级!]。若发射机为旧版本,则弹出提示[确定将接收机更新吗?]。弹出提示框后选择"确定",点击[升级]即可将接收机更新;
- 3. 如果接收机与发射机未建立连接,则进入选择接收机界面,勾选需要连接的接收机之后弹出提示[请连接 XX 或使 XX 进入强制更新模式],点弹出提示框后选择"确定",点击[升级]进入更新状态!

若更新接收机时,如无法与发射机对码建立连接,则需要手动强制更接收机固件。

接收机进入强制更新模式

接收机按下对码按键,上电十秒钟后指示灯三闪一灭,或者先给接收机上电,长按对码键 10 秒后指示灯三闪一灭,松开对码按键。

注:不同接收机进入强制更新状态 方式不同,请参考具体接收机的说 明书。



对码

本发射机和接收机在出厂前已对码成功。如果您需要重新对码时, 请按照如下步骤进行对码:

- 开启发射机,点击主界面圖图标并进入[接收机设置],点击[对码设置],根据实际使用的接收机,在弹出的菜单里选择[经典版接收机]或[增强版接收机](若选择增强版接收机,选择是否双接收机模式,并设置起始通道),点击[开始对码],发射机进入对码状态;
- 2. 使接收机进入对码状态;
- 3. 当接收机 LED 指示灯变为常亮时,对码成功:
- 检查发射机、接收机、模型是否连接正常。如有异常,重复以上步骤重新对码。

注:

- 当选择单向通信时,接收机不回传数据信息给发射机,接收机收到 对码信息后指示灯慢闪;需手动将发射机退出对码状态,接收机指 示灯变为常亮表示对码成功;
- 富斯 AFHDS 3 经典版接收机型号: FTr10/FGr4/FGr4s/FGr4p/FTr4/ FTr16S: 其他富斯 AFHDS 3 接收机均为增强版接收机;
- 如需使用双接收机模式,点击[双接收机模式]右侧勾选框,图标 变为図后,发射机将进入双接收机模式。选择后,请依次将发射机 与主接收机和副接收机进行对码。
- 此步骤适用于 Noble Pro 与 FGR4B 及 FGR8B 的接收机对码,如您 使用的是其他接收机,请进入官网查询对应接收机的使用说明书进 行操作。

规格参数

Noble Pro

数据接口

适合模型 车、船、机器人、铁甲

通道个数 2(极速)/4 /6/8/10/12/18 可选

 无线频率
 2.4GHz ISM

 发射功率
 < 20dBm</td>

 RF 标准
 AFHDS 3

 低电压报警
 < 3.65V</td>

充电方式 Micro USB + 无线充

天线类型 内置单天线

输入电源 1S / (4.2V) 锂聚合物电池+ 18650 双电池

Micro USB

在线更新 有

遥控距离 >300m (不含手机支架) 外形尺寸 120*144*274mm

机身重量 670g (含手机支架)

认证 CE, FCC ID: N4ZFG400

本说明书中的图片和插图仅供参考,可能与实际产品外观有所不同。 产品设计和规格可能会有所更改, 恕不另行通知。

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FCC ID: N4ZFG400

出版日期:2022-02-09

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