Version list Noble NB4 transmitter software/Noble NB4 软件版本更新记录

Software version 软件版本	2.0.93	Date 日期	02/2021

▶ **新增功能：**

- 新增手轮左、右两侧按键（SW2、SW3）可设置成组合模式的功能。
- 新增油门怠速可锁定模式的功能。
- 新增通道速度功能，所有通道可单独设置延时时间。
- 新增通过《富斯遥控管家 V2.0》导入导出模型数据（仅支持 2.0.93 的模型数据导入和导出）。
- 新增支持接收机更新器《Flysky Receiver Updater》，用于更新接收机固件。
- 新增支持接收机连接状态下切换模型。
- 新增闲置报警的时间设置功能，可选择关闭闲置报警。
- 新增主界面锁屏的锁屏范围设置功能。
- 新增主界面显示自定义功能，可选择显示计时器、通道状态等。
- 新增主界面显示通道值的实际百分比。
- 新增失控保护可设置成无输出模式。
- 新增对码设置拆分成经典版和增强版接收机。
- 新增配置接收机 PWM 转换器功能，可实现接收机通道扩展。
- 舵机显示界面新增通道显示。
- 按键功能列表新增通道显示。
- 关于 Noble 界面新增显示高频库版本。

以下新增功能仅支持增强版接收机：

- 新增舵机响应速度可任意通道单独设置。
- 新增舵机响应速度支持设置窄频 SR、SFR 模式，可进一步降低系统延时。
- 新增舵机响应速度支持开启 RF 同步模式，可进一步降低系统延时。
- 新增智能车控菜单，支持设置陀螺仪接收机。
- 新增支持显示 BVD 电压及 BVD 电压传感器校准功能。
- 新增支持双接收机模式。
- 新增设置接收机 PWM 接口输出的起始通道。
- 新增接收机 New.Port 接口协议设置功能。
- 新增 i-BUS2 设备设置功能。

▶ **修改功能：**

- 优化主界面通道显示不受中立微调影响。
- 优化主界面快捷操作功能，默认为开启。
- 优化显示屏唤醒逻辑（操作按键可唤醒）。
- 优化英文界面字体。
- 优化通道数量切换时模型数据复位的问题。
- 优化高频标准切换时模型数据复位的问题。
- 优化计时器界面显示。
- 优化船模式下的油门通道数据计算和显示逻辑。
- 优化方向指数、油门指数中的曲线调节方向。
- 优化界面状态栏的开启 / 关闭图标。
- 优化更新 RF 高频库。

Version list Noble NB4 transmitter software/Noble NB4 软件版本更新记录

Software version 软件版本	2.0.93	Date 日期	02/2021

▶ **修改功能：**
- 修改微调步进的可调范围。
- 修改按键分配中的功能项名称。
- 【方向混控】改为【四轮转向】，将【四轮转向】和【刹车混控】移到【混控】菜单中。
- 【通道数量定义】和【高频设置】从系统设置菜单移到【模型设置】菜单中。
- 优化刹车混控功能界面的逻辑。
- 优化模型切换、通道数量切换的跳转速度。
- 优化开 / 关机速度。

▶ **特殊变化：**
- 对码操作前需选择接收机类型：
  经典版接收机：FGr4、FGr4S、FGr4P、FTr4、FTr10、FTr16S。
  增强版接收机：FGr4B、FGr8B、FGr12B、FTr8B、FTr12B、GMr、TMr。
- 【高频设置】切换单向、双向和 Mini-Z 模式功能，移到【模型设置】菜单中。
- 【通道数量定义】切换遥控器通道个数（4、6、8 通），移到【模型设置】菜单中。
- 【方向速度】和【油门速度】功能，合并到【通道速度】菜单中。
- 【方向混控】和【刹车混控】功能，移到【混控】菜单中。

注意事项

- 更新完成后模型数据会被复位，升级方案及数据继承说明：
  ① 2.0.79 及之前版本：模型数据无法继承，可直接升级到 2.0.93 版本。
  ② 2.0.83/2.0.85 版本：无需继承模型数据时，直接升级即可。如需继承数据，通过《富斯遥控管家 V1.1》进行数据备份，升级完成后，再通过《富斯遥控管家 V1.1》导入数据。
- 更新完成后需要更新遥控器高频模块固件（首次开机会自动提示更新）。
- 更新完成后需要更新对应接收机的固件，需采用强制更新方式进行接收机更新，强制更新方式：
  经典版接收机：采用对码线短接对应的强制更新接口后上电，直到接收机指示灯三闪一灭。
  增强版接收机：按住对码按键上电，直到接收机指示灯出现三闪一灭。
- 发射机和接收机更新完成后需要重新对码。

Version list Noble NB4 transmitter software/Noble NB4 软件版本更新记录

Software version 软件版本	2.0.93	Date 日期	02/2021

▶ **New functions:**
- Added the setting of a combination of SW2 and SW3 (on the left and right side).
- Added the lock mode for throttle idle speed.
- Added the channel speed function that the delay time on all channels can be set individually.
- Added the import and export of model data through "Flysky Assistant V2.0" (only support import and export of model data of V2.0.93).
- Added the support for "Flysky Receiver Updater", to update receiver firmware.
- Added the switching model in the connection state of the receiver.
- Added the time setting function of idle alarm. You can choose to turn off the idle alarm.
- Added the function of lock screen range setting on the main interface.
- Added the function of customizing the display of the main interface. You can select the display timer, channel status, etc.
- Added the display of actual percentage of channel value.
- Added the setting of fail-safe to no output mode.
- Added the setting of bind to split into classic and enhanced receivers.
- Added the function to configure receiver as a PWM converter, to realize the channel extension of the receiver.
- Added the channel display on the servo display interface.
- Added [Servo View] in [Keys Assign].
- Added the RF library version on the [About Noble] interface.

The following new functions are available only for the enhanced receiver:
- Added the setting of [Servos Frequency] separately for any channel.
- Added [Servos Frequency] to be set to narrow frequency SR and SFR mode. This can further reduce the system delay.
- Added [Servos Frequency] to enable the RF synchronization mode. This can further reduce the system delay.
- Added the [Smart Vehicle Control] menu to set the gyroscope receiver.
- Added the display of BVD voltage and BVD voltage sensor calibration function.
- Added the dual receiver mode.
- Added the setting of starting channel on the receiver PWM interface output.
- Added the setting of receiver New.Port protocol.
- Added the i-BUS2 device setting function.

▶ **Modified functions:**
- Optimized the main interface channel display not affected by neutral trimming.
- Optimized the main interface shortcut operation function. By default, it is enabled.
- Optimized the display wake-up logic (wake-up by pressing a key).
- Optimized the English interface font.
- Solved the problem of model data reset when the number of channels is switched.

Version list Noble NB4 transmitter software/Noble NB4 软件版本更新记录

Software version 软件版本	2.0.93	Date 日期	02/2021

▶ **Modified functions:**
- Solved the problem of model data reset in case of RF standard switch-over.
- Optimized the timer interface display.
- Optimized the logic of calculating and displaying throttle channel data in boat mode.
- Optimized the curve adjustment direction in direction index and throttle index.
- Optimized the on/off icon of the interface status bar.
- Optimized the update of the RF library.
- Changed the adjustable range of trimming step.
- Changed the function item name in key assignment.
- Changed [Steering Mix] to [4WS Mixing], and moved [4WS Mixing] and [Brake mixing] to the [MIXES] menu.
- Moved [Channel Number Definition] and [Radio Frequency Setup] from the system settings menu to the [MODEL] menu.
- Optimized the logic of the brake mixing function interface.
- Optimized the jump speed of model switching and channel number switching.
- Optimized the power-on/-off speed.

▶ **Special changes:**
- You need to select receiver type before bind operation:
  Classic receivers: FGr4, FGr4S, FGr4P, FTr4, FTr10, FTr16S.
  Enhanced receivers: FGr4B, FGr8B, FGr12B, FTr8B, FTr12B, GMr, TMr.
- [Radio Frequency Setup]: Switch the function of one-way, two-way and Mini-Z mode. It has been moved to [MODEL] menu.
- [Channel Number Definition]: Switched the number of remote control channels (4, 6, 8). It is moved to [MODEL] menu.
- [Steering Speed] and [Throttle Speed]: Merged into [Channels Speed] menu.
- [Steering Mix] and [Brake mixing]: Moved to [MIXES] menu.

Notes
- The model data needs to be reset after the update is completed. The upgrade and data inheritance are explained as follows:
  ① V2.0.79 and earlier: Model data cannot be inherited. The version can be directly upgraded to V2.0.93.
  ② V2.0.83/2.0.85: If you don't need to inherit the model data, you can upgrade it directly. If you need to inherit the data, back up data through "Flysky Assistant V1.1", and then import the data through "Flysky Assistant V1.1" after the upgrade is completed.
- After the update is completed, you need to update the firmware of the remote control RF firmware (automatically prompted to update in case of the initial power-on).
- After the update is completed, you need to update the firmware of the corresponding receiver in the following special modes:
  Classic receiver: Short-circuit the code line to the corresponding mandatory update interface, and then power on, until the receiver indicator flashes three times and lights out once.
  Enhanced receiver: Press and hold the bind button to power on until the receiver indicator flashes three times and lights out once.
  The transmitter and receiver need the re-bind after the update is completed.

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Software version 软件版本	2.0.85	Date 日期	05/2020

▶ **新增功能：**
- 无

▶ **修改功能：**
- 修复切换模型后通道数据可能会异常的 bug
- 移除系统设置菜单下的 USB 功能菜单（模拟器功能自动启动）
- 修复充电时电池图标显示小黑点的 bug
- 修复方向指数 / 油门指数曲线显示不完整的 bug
- 修复 SW1-L/SW1-R/SW2/SW3 多个按键同时按下互相干扰的问题
- 修复微调键同时按下异常的问题

注意事项

- 2.0.83 之前的版本升级将会清除模型数据，2.0.83 之后的版本（包括 2.0.83）将不会清除数据
- 更新完成后需重新与接收机对码
- 本次固件升级的版本有 FCC 大功率版和标准版两个版本，大功率版本功率比标准版本大 4dBm，遥控距离远几十米，功耗增加二十分之一左右（不同使用环境可能会有差异）；接收机回传距离不变

以上步骤完成后，可正常使用。

- -

▶ **New Features:**
- None

▶ **Changes:**
- Fix the bug that caused channel data to be abnormal after switching models
- Remove the USB function menu under the system settings menu (simulator function starts automatically)
- Fix the bug that caused the battery icon to show a small black dot when charging
- Fix the bug that caused the steering / throttle curve display to be incomplete
- Fix interference issue when SW1-L / SW1-R / SW2 / SW3 buttons are pressed simultaneously
- Fix the problem caused by pressing the trim buttons simultaneously

Precautions

- Upgrading versions before 2.0.83 will clear the model data, and versions after 2.0.83 (including 2.0.83) will not clear the data
- After the update is completed, it is necessary to rebind the receiver to the transmitter
- The firmware upgrade this time includes two versions - the FCC high-power version and the standard version. The power of the high-power version is 4dBm larger than that of the standard version. The remote control distance is several tens of meters longer, and the power consumption is higher by about 1/20 (there may be differences in different use environments); but the return distance of receiver is the same for both versions.

After the above steps are completed, the product can be used normally.

Version list Noble NB4 transmitter software/Noble NB4 软件版本更新记录

Software version 软件版本	2.0.83	Date 日期	3/2020

▶ **新增功能：**
- 模型数据导入 / 导出功能
- 主界面快捷操作功能

▶ **修改功能：**
- 优化计时器功能，将语音报时全部归入系统声音
- 优化计时器功能，倒计时后正计时最小设置时间由 10 秒变更为 0 秒

注意事项

- 更新完成后模型被复位
- 更新完成后需重新与接收机对码

以上步骤完成后，可正常使用。

- -

▶ **New Features:**
- Model data import / export function
- Main interface shortcut operation function

▶ **Changes:**
- Optimized the timer function, and all the vocal feedback are classified as system sound
- Optimized the timer function, the minimum setting time of the countdown after the countdown was changed from 10 seconds to 0 seconds

Precautions

- The model data will be reset after the update is completed
- After the update is completed, it is necessary to rebind the receiver to the transmitter

After the above steps are completed, the product can be used normally.

Version list Noble NB4 transmitter software/Noble NB4 软件版本更新记录

Software version 软件版本	2.0.79	Date 日期	11/2019

▶ 新增功能：
- 增加单向模式下修改舵机响应速度退出的提示

▶ 修改功能：
- 修复开关及和按键测试菜单 BUG
- 解决开关机时概率性模型参数丢失的问题

注意事项

- 更新完成后模型被复位（除了 2.0.77 版本）
- 更新完成后需重新与接收机对码

以上步骤完成后，可正常使用。

注：以上版本更新记录基于 2.0.75 版本。

- -

▶ New Features:
- Added prompt to modify the servo response speed when exiting the one-way mode menu

▶ Changes:
- Fixed switch and button bugs in the test menu
- Fixed bug that erased some model parameters when powered on and off

Precautions

- The model is reset after the update is completed（except for version 2.0.77）
- After the update is completed, it is necessary to rebind the receiver to the transmitter

After the above steps are completed, the product can be used normally.

Note: The changelog is based on the 2.0.75 version.

Version list Noble NB4 transmitter software/Noble NB4 软件版本更新记录

Software version 软件版本	2.0.78	Date 日期	11/2019

▶ 新增功能：
- 无

▶ 修改功能：
- 解决开关机时概率性模型参数丢失的问题

注意事项

- 更新完成后模型被复位（除了 2.0.75 版本）
- 更新完成后需重新与接收机对码

以上步骤完成后，可正常使用。

注：以上版本更新记录基于 2.0.75 版本。

- -

▶ New Features:
- None

▶ Changes:
- Fixed bug that erased some model parameters when powered on and off

Precautions

- The model is reset after the update is completed（except for version 2.0.75）
- After the update is completed, it is necessary to rebind the receiver to the transmitter

After the above steps are completed, the product can be used normally.

Note: The changelog is based on the 2.0.75 version.

Version list Noble NB4 transmitter software/Noble NB4 软件版本更新记录

Software version 软件版本	2.0.75	Date 日期	08/2019

▶ **新增功能：**
- 新增日语菜单界面
- 新增主菜单排序及隐藏功能
- 新增初学者模式（默认为隐藏且未开启）
- 新增说明书菜单
- 新增氛围灯可以用来做电量指示功能
- 新增旋钮及 TR 可以分配做 2、3 档开关使用功能
- 新增关于菜单下显示 MCU UID 信息

▶ **修改功能：**
- 修复 USB 模拟器可能断连的 bug
- 修复按键分配旋钮反向无效的 bug
- 修复主界面通道显示抖动的 bug
- 优化接收机输出模式相关功能

注意事项

- 更新完成后模型被复位
- 更新完成后需重新与接收机对码

以上步骤完成后，可正常使用。

- -

▶ **New Features:**
- Add a Japanese
- Add the main menu sorting and hiding function
- Add a beginner mode (the default is hidden and not open)
- Add a manual menu
- Add the function that the new ambient light can be used to do the power indicator
- Add the function that the new knob and TR can be assigned to do the 2, 3 gear switch
- Added information about the MCU UID displayed under the menu

▶ **Changes:**
- Optimize the bug that the USB emulator may be disconnected
- Optimize the bug that the button assignment knob is invalid in the reverse direction
- Optimize the bug that the main interface channel displays jitter
- Optimize the receiver output mode related functions

Precautions

- The model data will be reset after the update is completed
- After the update is completed, it is necessary to rebind the receiver to the transmitter

After the above steps are completed, the product can be used normally.

Version list Noble NB4 transmitter software/Noble NB4 软件版本更新记录

Software version 软件版本	2.0.67	Date 日期	07/2019

▶ **新增功能：**
- 通道个数可用户自定义 4、6、8 个
- Break D/R 可单独调节
- TR 功能外设操作生效时弹窗提示
- 所有操作都可带震动提示
- 新增 Mini-Z EVO 模式
- 最小背光亮度可调节（可关闭背光）
- LED 灯亮度可调节

▶ **修改功能：**
- 优化系统结构
- 优化操控触摸响应速度
- 优化英文界面字体
- 优化主界面 CH1、CH2 通道显示逻辑
- 优化部分功能的语音提示
- 优化系统开机启动速度
- 优化系统设置菜单下的功能排序
- 优化按键设定菜单功能

注意事项

- 更新完成后模型被复位
- 更新完成后用户需自行校准手轮和扳机
- 更新完成后需重新与接收机对码

以上步骤完成后，可正常使用。

- -

▶ **New Features :**
- The user can now choose between 4, 6 and 8 channels
- The breaks D/R can now be adjusted by itself
- Pop up added when using the TR function
- All operations can now have a vibration effect
- Added Mini-D EVO mode
- Minimum brightness can now be set to 0 (Turning off backlight)
- LED brightness can now be adjusted

▶ **Editing :**
- Optimized the system architecture
- Optimized touch to increase speed
- Optimized English fonts
- Optimized the display logic for channels one and 2 at the main menu
- Optimizations of voice prompts
- Optimizations to increase boot speed

Version list Noble NB4 transmitter software/Noble NB4 软件版本更新记录

Software version 软件版本	2.0.67		Date 日期	07/2019

▶ **Editing :**
- Optimized function sorting in the function menu
- Optimized the key select function

Precautions

- The model is reset after the update is completed
- After the update is completed, the user needs to calibrate the steering wheel and the trigger
- The receiver and transmitter must be bound again after the update

After the above steps are completed, the system will function as normal.

Version list Noble NB4 transmitter software/Noble NB4 软件版本更新记录

Software version 软件版本	1.0.41	Date 日期	06/2019

▶ **新增功能：**
- 增加了 EVO 模式

▶ **修改功能：**
- 修改优化方向和油门死区
- 修改优化资源头文件和校验改为 STM32 硬件 CRC 校验以加快开机速度
- 修改优化 ADC 通道相互干扰的 BUG
- 菜单界面下左右滑屏菜单图标会错位

注意事项
- 更新完成后模型被复位

以上步骤完成后，可正常使用。

- -

▶ **New Features :**
- Added EVO mode

▶ **Editing :**
- Optimize the steering and throttle dead zones
- Optimize the resource header file and verified that the STM32 hardware CRC is changed to speed up the boot
- Optimize bug causing interference on ADC channels
- Optimize the issue that when swiping left and right on the screen causing menu icons will be placed under the menu UI

Precautions
- The model is reset after the update is completed

After the above steps are completed, the system will function as normal.

Version list Noble NB4 transmitter software/Noble NB4 软件版本更新记录

Software version 软件版本	1.0.37	Date 日期	03/2019

▶ **新增功能：**
- 增加中文显示能

注意事项

- 更新完成后模型被复位

以上步骤完成后，可正常使用。

- -

▶ **New Features：**
- Added the size of Chinese text

Precautions

- The model is reset after the update is completed

After the above steps are completed, the system will function as normal.

Version list Noble NB4 transmitter software/Noble NB4 软件版本更新记录

Software version 软件版本	1.0.36	Date 日期	01/2019

▶ **修改功能：**
- 更新了高频资源
- 资源模块中增加了版本判断
- 修改了默认温度和长度默认单位

- -

▶ **Editing：**
- Updated RF resources
- Version info has been added to the resource module data
- The default temperature and length units have been modified

Version list Noble NB4 transmitter software/Noble NB4 软件版本更新记录

Software version 软件版本	1.0.32-Beta		Date 日期	12/2018

▶ **修改功能：**
- 优化系统延时性能
- 优化通道值计算算法
- 优化更新高频库程序

注意事项

- 更新完成后模型被复位
- 更新完成后用户需自行校准手轮和扳机
- 更新完成后需进行高频 RF 更新，接收机更新

以上步骤完成后，可正常使用。

- -

▶ **Editing :**
- Optimize system latency performance
- Optimize the channel value calculation algorithm
- Optimize and update the high frequency library

Precautions

- The model is reset after the update is completed
- After the update is completed, the user needs to calibrate the steering wheel and the trigger
- RF update, receiver update needed after update is completed

After the above steps are completed, the system will function as normal.

Version list Noble NB4 transmitter software/Noble NB4 软件版本更新记录

Software version 软件版本	1.0.30		Date 日期	10/2018

▶ 新增功能：

- 新增双向回传功能
- 新增传感器功能
- 新增 Range TEST 功能
- 新增舵机频率设置功能
- 新增接收机输出模式设置功能
- 新增 I.BUS 通道扩展功能
- 新增接收机更新功能
- 新增 USB 模拟器功能

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▶ New Features :

- Added two-way return function
- Added sensor function
- Added Range TEST function
- Added servo frequency setting function
- Added receiver output system setting function
- Added I.BUS channel extension function
- Added receiver update function
- Added USB emulator function