

Noble Pro Functional map

- REV** — Used for the adjustment of the forward/backward steering of motor and servo actions in each channel.
- EPA** — Used for the adjustment of the maximum travel range of the motor and servo in each channel, such as the output of 50% throttle when the buckle is in the limit position.
- SUB TR** — Used for the adjustment of the neutral value of the motor and servo in each channel, such as the slight steering deviation of the servo due to the structural installation issue after the installation is completed.
- ST DR/ EXP** — Including Rate and Exp: Rate is used to adjust the maximum and minimum steering actions; Exp is used to change the linearity of steering actions.
- TH DR/ EXP** — Including Rate, F and Rate, R, Exp, F and Exp, B. Rate is used to adjust the maximum and minimum throttle actions. Exp is used to change the linearity of throttle actions.
- TIMER** — Provides 3 different modes of timer functions, with assigning controls for switching and resetting the timer.
- ASSIGN** — Used for the assignment of the different functions to Noble Pro controls such as buttons, knobs, and toggles. For example, assign SW2 switch to CH3 control light. An individual control can be assigned with different functions or channels.
- AUX** — Used for the assignment of the controls for auxiliary channels and the setting of the channel's function, steering, stop value, etc. Noble Pro provides Chinese names for the auxiliary channels.
- MODEL** — Performs operations, for example, model selection, name change, channel number definition, and radio frequency setup. Supports the online model switching selection.
- SENSOR** — Noble Pro can be used with Flysky C series touch sensor to measure temperature, speed, voltage and other information. Users can set the sensor alarm value as needed.
- RX SET**
 - BIND SET** — Used for pairing Noble Pro and receiver. Noble Pro and receiver need to bind successfully prior to the usage. Pay attention to distinguish the bind between the classic receiver and enhanced receiver.
 - RX Interface Protocol** — Sets the protocol of the receiver's New Port. You can choose PWM/PFMS/BUS, I-BUS in/I-BUS out/I-BUS 2.
 - Failsafe** — Sets the action state of the model after losing Noble Pro control signals. This function is very important. In order to ensure the safety, players must set the fail-safe, including three options: no output, feed value, and hold.
 - Servo Frequency** — Sets the frequency of signal sent from the receiver to the servo. Sets the servo frequency according to the specifications. If the servo frequency settings do not match, there may be the servo jitter.
 - SR (833Hz)** — Carrier frequency/Servo frequency is 833 Hz; PWM signal pulse width range is 450-750-1050 us.
 - SFR (1000Hz)** — Carrier frequency/Servo frequency is 1000 Hz; PWM signal pulse width range is 125-500-875 us.
 - I-BUS Setup** — Sets the channel definition of I-BUS channel extension module FS-CEV04. For example, when Noble Pro uses 12 channels, the FS08B and FS-CEV04 can be extended to the 12-channel receiver.
 - Config PWM Converter** — Sets the receiver as a PWM converter, with similar function to FS-CEV04. This function can be used for channel extension.
 - RSSI Output Setup** — Enables/disables the signal strength output and sets the channel of signal strength output.
 - Rx Battery Monitor** — Detects the receiver battery voltage status. Users can set a low voltage alarm to avoid battery damage due to model battery over-discharge.
 - Range Test** — Tests whether the communication between Noble Pro and the receiver is normal.
 - Low Signal Alarm** — Enables/disables the low signal alarm. If this function is selected, the system will automatically alarm when the signal strength of the receiver is lower than 20.
 - Update Receiver** — Updates the receiver firmware by wireless upgrade. If the receiver and Noble Pro fail to bind, try to update the receiver firmware forcibly. To know whether the receiver needs a firmware update, users can refer to the software version update record of Noble Pro.
- SYSTEM**
 - Language** — Supports three languages currently: Chinese, English, and Japanese.
 - Units** — Sets the length and temperature units used by the transmitter.
 - Backlight Adjustment** — Sets the backlight delay and backlight brightness. Note: The reduction of the backlight brightness is helpful for improving the transmitter's battery lasting capability. When the backlight brightness is set to 50%, it accounts for roughly 1/4 of the transmitter power consumption.
 - Sound** — Sets the volume of Noble Pro. Controls the system sound, alarm sound, and power-on/power-off sound.
 - Vibration** — Sets the vibration level of Noble Pro. Disables/enables the system vibration and alarm vibration.
 - LED** — Sets the brightness and type of the LED strip above the power button of Noble Pro.
 - Home-Screen Quick Access** — Sets the menu or function displayed by the quick slide operation in the main interface.
 - Main Screen Lock Setup** — Selects the type of lock screen on the main interface to prevent accidental touch. There are 3 types for selection.
 - Standby Timeout** — Sets the duration when Noble Pro triggers the life alarm.
 - Auto Power Off** — Enables/disables the automatic shutdown when Noble Pro is idle.
 - Stick Calibration** — Calibrates the handwheel and buckle of Noble Pro. Stick calibration is required after disassembly and reinstallation or partial firmware version upgrade.
 - Firmware Update** — Upgrades the Noble Pro's firmware. The latest firmware and software versions can be downloaded from the official website of Flysky Technology (www.flysky-cn.com/) or the group file of QQ Flysky Modeler Group. For the firmware update video tutorial, visit the <https://www.bilibili.com/>.
 - Factory Reset** — Restores all settings of Noble Pro to factory settings by pressing one key. Note: In some versions, the stick calibration is required after restoring the factory settings.
 - Noble Pro** — Used to read the software and hardware version information of Noble Pro.
- CH SPEED** — Sets the channel delay of each channel. You can set the starting speed back-to-neutral speed, steering speed respectively. The forward speed can be set in custom multi-segment points.
- MIXES** — Sets the mixed control between each channel. For example, the effect of steering mixing throttle is the action compensation of throttle volume when turning the handwheel. The mixed control of two motors can be performed for differential steering of ship or crawler models. Noble Pro has a total of five types of mixed control options, including four-wheel steering, crawler mixed control, drive mixed control, brake mixed control, and mixed programming control.
- ABS** — Brake control by pulsing is used to improve cornering control and operations on slippery roads such as snow and ice. Noble Pro has brake release, brake delay, cycle, departure point, duty cycle, and steering mixed control to adjust the operating mode of ABS.
- TH MID** — Sets the neutral position of throttle and brake. The ratio of throttle to brake in some models is not 5:5, but 4:6 or 3:7.
- TH NEUTRAL** — Sets a dead zone for buckle control. The motor will not respond when the operating buckle is within the dead zone.
- TH CURVE** — Sets the throttle to have different response speeds when the buckle is in different positions.
- IDLE UP** — Used for IDLE UP of the engine when the buckle is in the neutral position, to prevent the model from stalling. A control can be assigned separately. The "lock mode" function can prevent the stalling caused by pulling the buckle by mistake.
- ENG CUT** — Throttle lock can be enabled to keep the throttle at a pre-set value. It is similar to cruise control.
- CRUISE** — Used to automatically maintain the set speed when the buckle does not operate in the model. Two controls can be assigned to control the function and the throttle output value respectively.
- BOAT** — No brake function is available after the boat mode is enabled.
- DISPLAY** — Views the correspondence and real-time position of each motor and servo channel.
- SVC**
 - Neutral Calibration** — Used for gyroscope calibration of steering and throttle neutral position to make the best driving condition.
 - Reverse** — Used to switch to the calibrated steering of the intelligent control steering wheel.
 - ESP Mode** — Used for model-assisted stabilization, with two modes of normal/lock.
 - Steering Gain** — By adjusting the system's correction strength to the wheels, the system detects the vehicle body and automatically corrects the body through the wheels when the vehicle body is about to move away from the intended steering.
 - Throttle Gain** — When this function is enabled, the system will automatically lower the throttle in case that the throttle buckle is not released, so that it can turn quickly and safely.
 - Priority** — Sets the control ratio between handwheel control and gyroscope when the vehicle is turning. The turning radius is subject to the ratio.
 - Gyroscope Calibration** — Used for gyroscope calibration when enabling the gyroscope in the first bind or after changing the gyroscope. The model keeps smooth and stationary. Click for calibration. The receiver flashes twice and exits automatically. This indicates the successful calibration.
- HELP** — You can refer to Noble Pro manuals and visit Flysky official website, Flysky WeChat Official Account, or Flysky official site at <http://www.bilibili.com> to obtain related information.