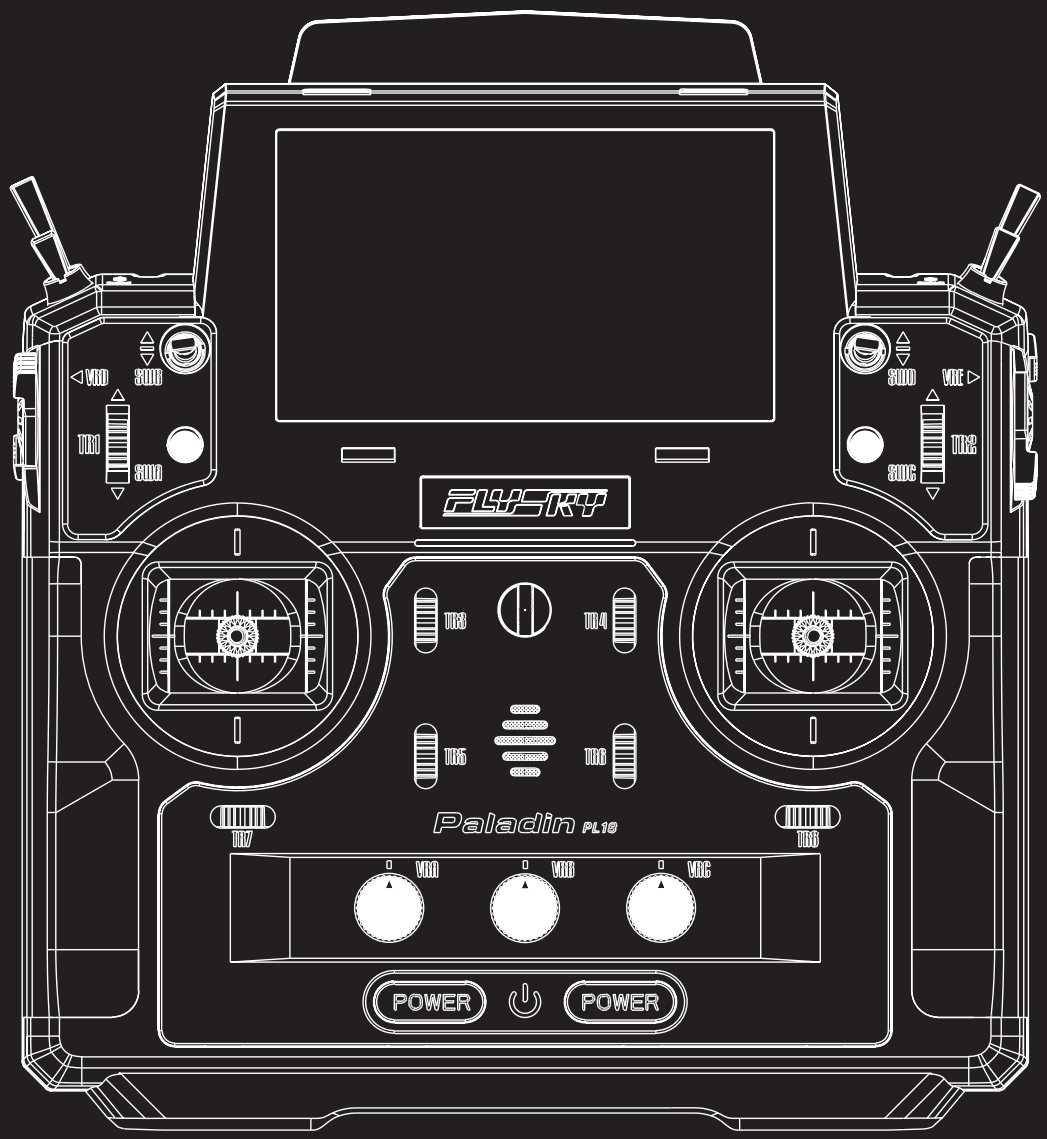
Paladin PL18



Quick Start Guide

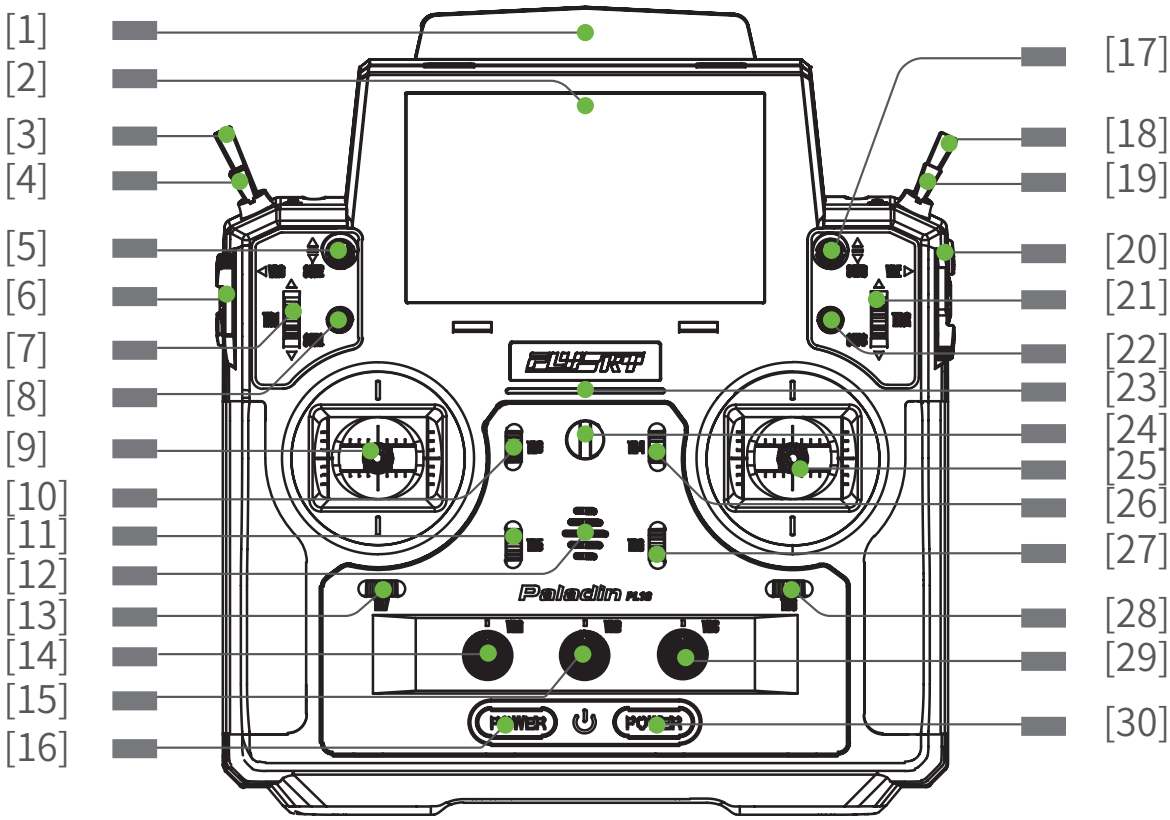
Precautions!

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

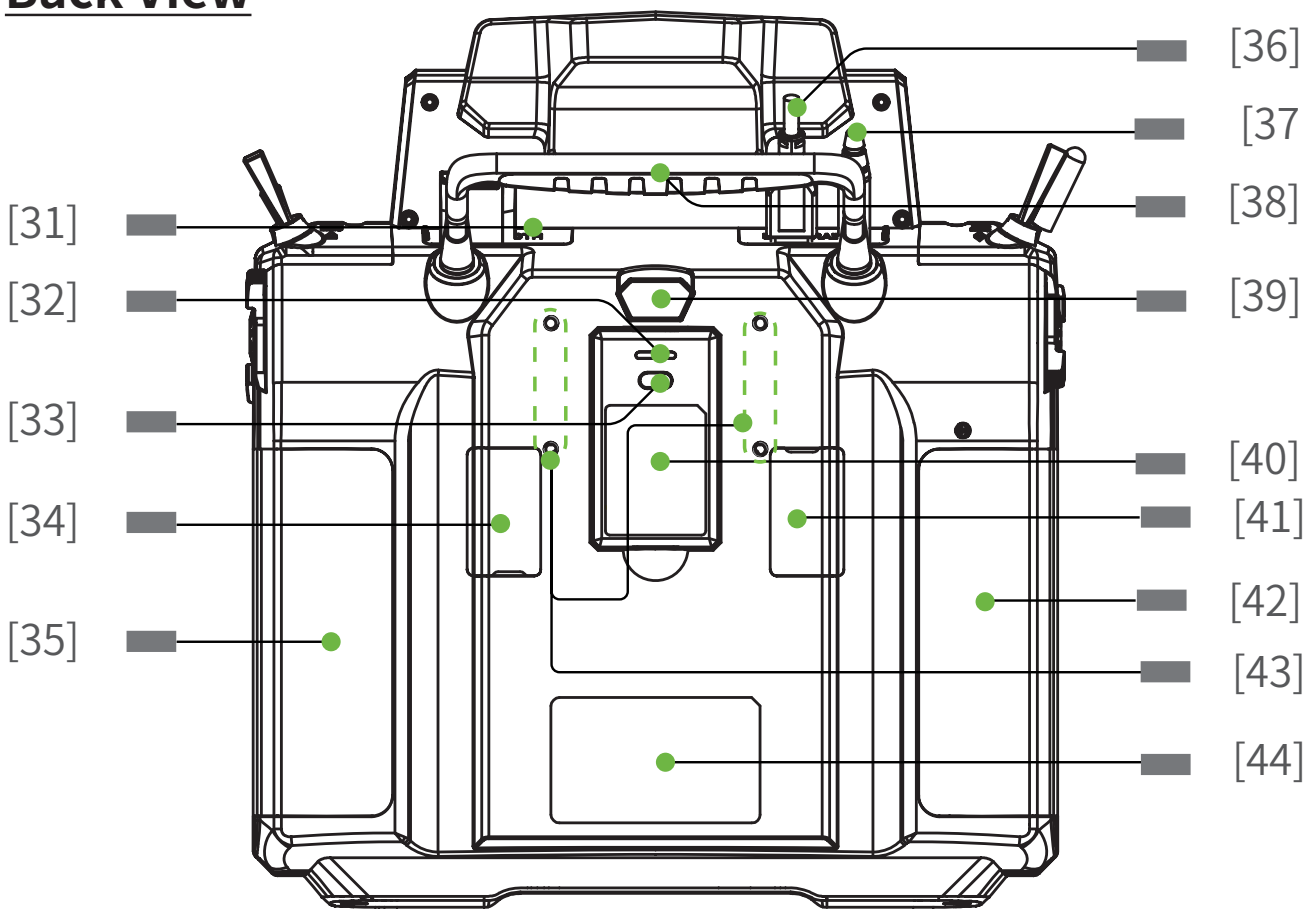
1. For best signal quality the transmitters antenna must be kept at least 20 cm away from all your body and must not be juxtaposed or operated close to other transmitters. Antenna installation instructions and transmitter operating conditions that meet RF signal emissions must be provided to end users and installers.
2. Hereby, [Flysky Technology co., Ltd] declares the RF equipment [Paladin PL18] to be in accordance with RED2014/53/EU.
3. The full text of the EU DoC is available at: www.flysky-cn.com.

Front View



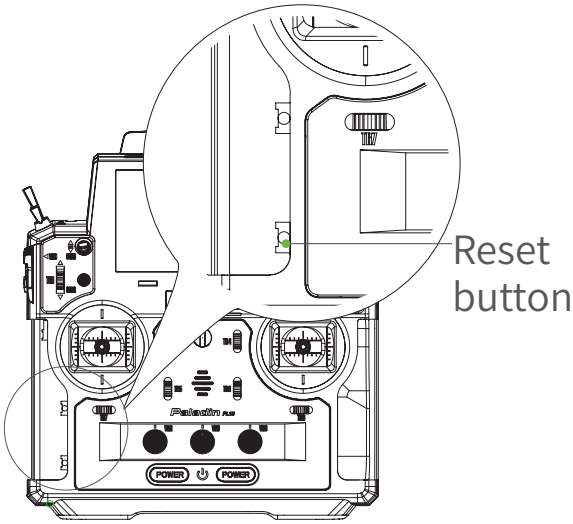
[1]	Antenna	[16]	Power Switch
[2]	TFT LCD	[17]	SWD Switch
[3]	SWF Switch	[18]	SWH Switch
[4]	SWE Switch	[19]	SWG Switch
[5]	SWB Switch	[20]	VRE Knob
[6]	VRD Knob	[21]	TR2 Button
[7]	TR1 Button	[22]	SWC Button
[8]	SWA Button	[23]	Transmitter LED
[9]	Left Stick	[24]	Neck Strap Hook
[10]	TR3 Button	[25]	Right Stick
[11]	TR5 Trim	[26]	TR4 Button
[12]	Speaker	[27]	TR6 Trim
[13]	TR7 Trim	[28]	TR8 Trim
[14]	VRA Knob	[29]	VRC Knob
[15]	VRB Knob	[30]	Power Switch

Back View



[31]	Bluetooth Port	[38]	Carry Handle
[32]	FRM301 Status Indicator	[39]	Press To Release FRM301 Module
[33]	FRM301 Button	[40]	FRM301 RF Module
[34]	Gimbal Tension Adjustment	[41]	Gimbal Tension Adjustment
[35]	Grip	[42]	Grip
[36]	Micro USB	[43]	Screw Holes For Fixing RF Module
[37]	Trianer Jack	[44]	Wireless Charging Input Area

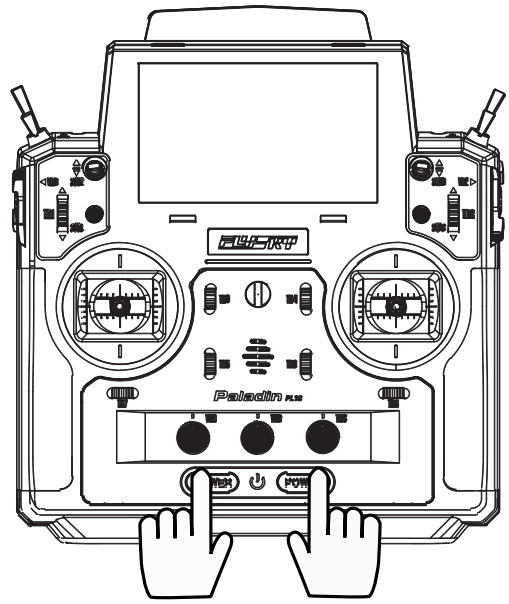
- For more information about the Paladin transmitter, please read the user manual.



The **Reset** button is on the lower left part of the transmitter as shown. You need to tear apart the grip to find it. To press it by using a long thin tool, such as a smaller screwdriver.

In case of the transmitter can not be powered off by pressing the two power switches, please reset the transmitter with the reset button.

Power On



1. Check to make sure that the battery is fully charged;
2. Press and hold both power swithcs until the screen turns on.

If any switches named after SW characters are not at their highest positions, or the throttle stick is not at its lowest position, A voice prompt sounds: “Switch is not in the high position, throttle is not at the lowest position”. The transmitter will show which switches are not in the correct position by highlighting them in red on a diagram.

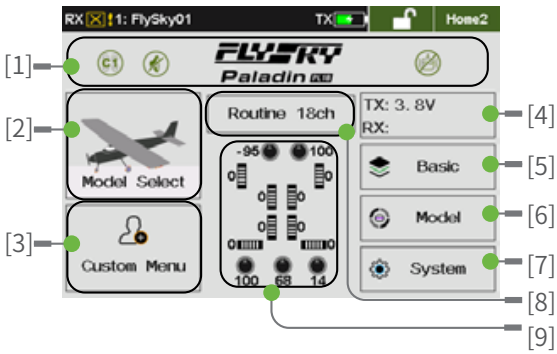
Power Off

1. Power off the receiver.
2. Press and hold both power switches until the screen turns off. After powering off the transmitter, please wait for 3 seconds before turning it on again.

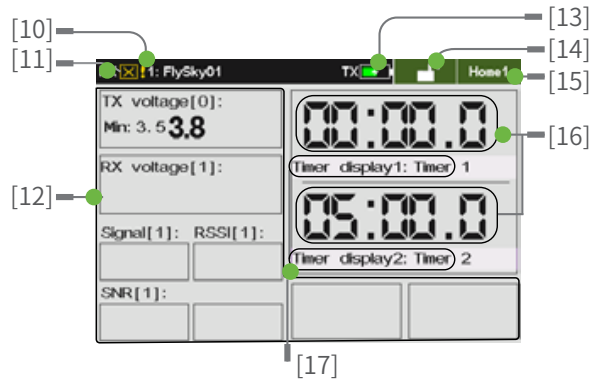
Always power off the receiver before the transmitter, failure to do so can result out of control. Unreasonable setting of the Failsafe may cause accidents.

Main Screen Introduction

Home1:



Home2:



[1] Status Bar

[2] Current Model Image, touch to enter **Select Model** interface

[3] To enter **Custom Menu** interface

[4] TheTX and The RX Voltage, touch to enter **Sensor** interface

[5] To enter **Basic** interface

[6] To enter **Model** interface

[7] To enter **System** interface

[8] To enter **Bind setting** interface

[9] To display trim value, to enter **Trim** interface

[10] Model Name

[11] SIgnal Strength

[12] Sensor, touch to enter **Sensor setup** interface

[13] Transmitter Power Status

[14] Lock Icon

[15] Home Icon, touch to switch between **home1** and **home2**

[16] Timer, touch to enter **Timer setup** interface

[17] Timer, touch to enter **Select Timer** interface

The quick introduction about the icons of the interface.

Indicates that the screen/function is locked

Indicates that the screen/function is unlocked

Function Disabled

Function Enabled

To restore the default settings

For all conditions

To assign controls such as switches

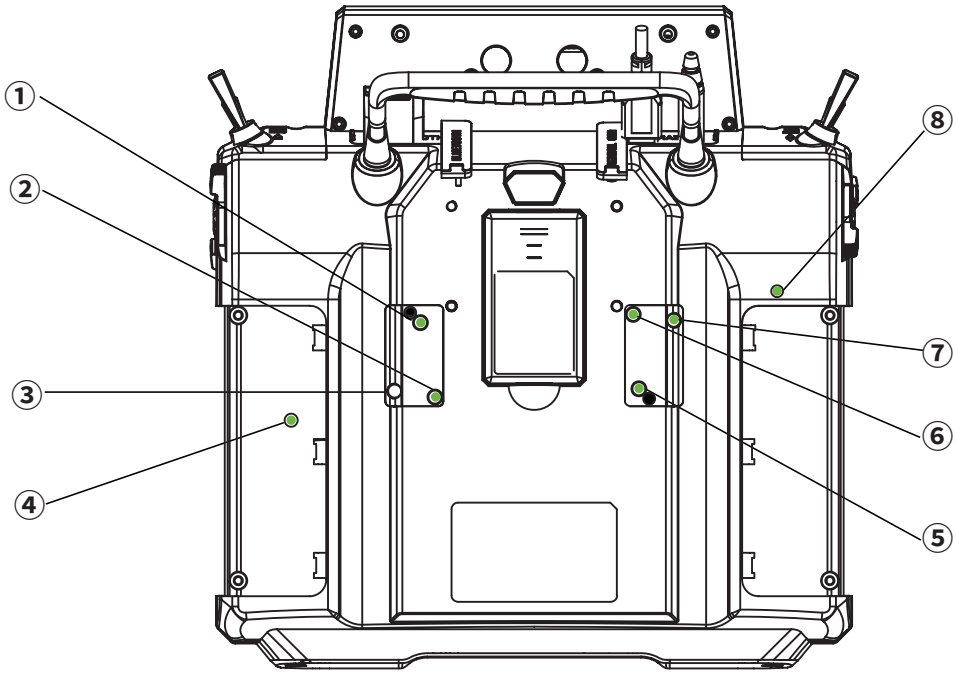
To return to the previous menu

To increase the set value, press and hold to increase rapidly.

To decrease the set value, press and hold to decrease rapidly.

For the current condition

Gimbal Adjustment Instructions



Function setup:

By adjusting the tension screws on the back of the transmitter, gimbal stick can be either self-return or non self-return, as well as changing stick tension/friction.

Available options:

① . ⑤	To change the gimbal sticks self-return or non self-return by adjusting the screws ① and ⑤ .	② . ⑥	To change vertical tension strength of the gimbal sticks by adjusting the screws ② and ⑥ .
③ . ⑦	To change horizental tension strength of the gimbal sticks by adjusting the screws ③ and ⑦ .	④ . ⑧	To change the vertical friction strength of the gimbal sticks by adjusting the screws ④ and ⑧ .

Left gimbal as example:

Non Self-returning

1. Use a Phillips screwdriver to adjust the screw ① counterclockwise until the gimbal reaches its center point.

2. Adjust screw ④ counterclockwise to adjust the Frictional strength.
3. If you need to adjust the strength of the return, adjust screw ② to the middle, and strengthen the clockwise force, and vice versa as needed.

Self-return and Non self-return

1. Use a Phillips screwdriver to adjust the screw ① clockwise so that the gimbal is no longer at its center point.
2. Adjust the screw ④ clockwise to strengthen or reduce the Frictional strength.
3. If you need to adjust the strength of the return, adjust screw ② to the middle, and strengthen the clockwise force, and vice versa as needed.

⚠ **Attention**	**The entire travel range of the screw is about 3mm. When adjust it counterclockwise, please be cautious not to adjust it too far or the screw will fall out.**

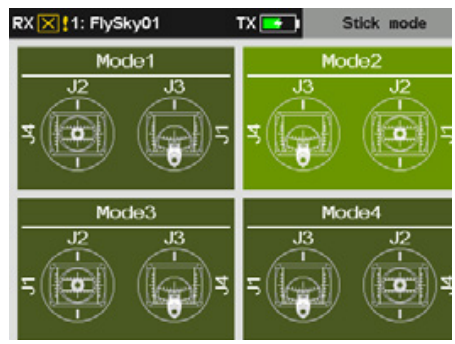
Stick Mode

This system supports four stick modes. As for airplane models, from channel 1 to channel 4, by default, these four channels are assigned to aileron, elevator, throttle and rudder. There are four preset modes of the sticks in order to meet the different requirements. You can select suitable mode among Mode1, Mode2, Mode3 and Mode4. The green icon indicates the currently selected mode, and the default mode is Mode 2. You can select suitable mode as your desired. Then you need to adjust the gimbals as needed to match the mode. Follow the steps as follows.

Function setup:

Enter the Model Setup interface via Home1>Basic>Models, then click the box next to Stick to enter the Stick mode interface.

Select the mode as your desired. Then touch ◀ to return to the previous interface.

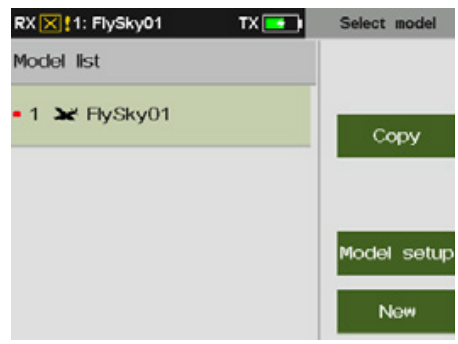


Note: It is also can be set in the updating wizard interface after the transmitter firmware is updated. The factory preset mode for the stick can be set in this interface. Only transmitter firmware version 1.0.55 or above has this function.

Model select

This function is used to create a new model by **Copy** or **New** function, delete all models except the current model, or search the receiver corresponding to the model. The settings of the models vary for the different models. This function provides opportunities that one transmitter can adapt varieties of real models. PL18 transmitter can store up to 18 different models. Take creating a new model by **Copy** as an example.

Function setup:

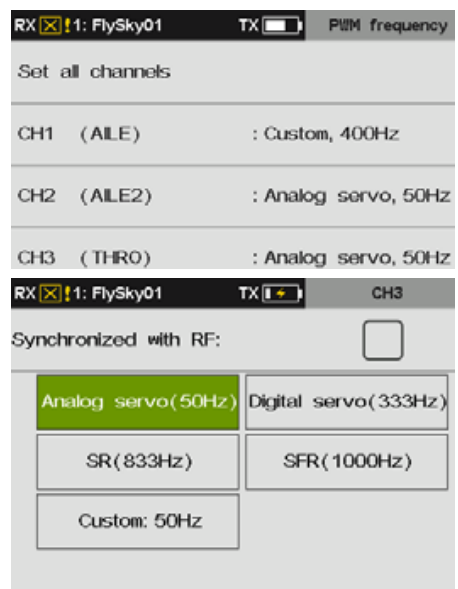


1. Enter Model setup interface.
2. Touch to select the model you want to copy,
3. Touch Copy to create, after that a prompt interface comes along with it. Touch Yes to complete.

PWM Frequency

Used to adjust the PWM frequency. This function can be used for analog servos (50Hz), digital servos (333Hz) and can also be set to custom frequency. Digital servos and custom frequency range between 50-400Hz. The interface varies slightly with the connected receivers. When the enhanced receiver is connected, follow the steps below:

Function setup:



1. Click [CH1(AILE)] or other options to enter the next level interface.
2. Click the item according to the actual state of the adapted servo. Click ◀ to return to the previous interface.
3. If you choose Custom , click + or - to change the value to the desired point.
4. If you choose Synchronized with RF, then touch the check box on the right. The servo response speed of this

channel will be synchronized to RF after it is checked.

Both the analog servos (50Hz) and the digital servos (333Hz) are common servo frequencies, they 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. Please note that if the setting is incorrect, this may cause damage to the servo or the servo's shaking.

Charging Mode

PL18 can be charged in two ways:

1. Plug the Micro USB cable into the charging port for charging.
2. Use the wireless charging dock to charge it.

Note: Charge it within the safe value (6h@5V Micro USB/7h@2A Wireless Charging). Overcharging may lead to battery damage. To prolong the service life of the battery, properly discharge the fully charged battery before long-term storage, and charge it regularly to prevent over-discharging damage during storage.It is recommended that the lithium battery be charged to 40-50% of its capacity for preservation. For example, it is recommended that the storage voltage of lithium battery is 3.85V in case of preservation. You need to check the voltage of the battery every 3~6 months. If it is lower than 3.85V, please recharge it until the battery reaches the said voltage before represervation.

Please use the standard charging cable of this transimmiter to charge it. Improper use may cause damage to the battery and affect its service life.

Language

This transmitter has 2 languages available.

Function setup:

1. Enter System interface via Home1.
2. Touch General, then touch Language to enter. Touch your preferred language option and touch ❮ to return to the previous interface.

Updating the RF module Firmware

The RF module firmware can be updated by the following two ways.

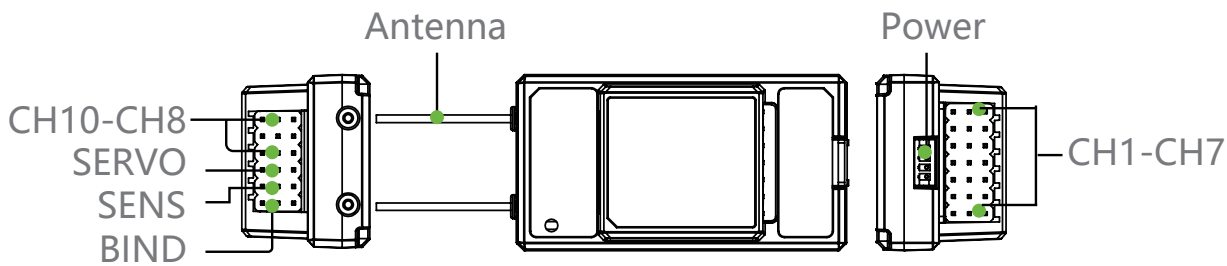
Function setup：

- If the transmitter poweres on and comes along with a wizard after the transmitter has been updated the firmware. Follow the promt to complete the settings of Stick mode, Stick Calibration and RF update.
- Or folllow the setps as below:

1. Enter Basic interface via Home1.
2. Touch RF setting to enter the setting interface.
3. Touch RF firmware update, after that a prompt interface comes along with it. Touch Yes to enter the updating mode. When the update is completed, the updating interface will exit automatically.

Binding

The transmitter and the receiver have been pre-bound at the factory, however if you need to bind a new receiver or rebind the original receiver, follow the steps below. Take the FTr10 receiver as an example.



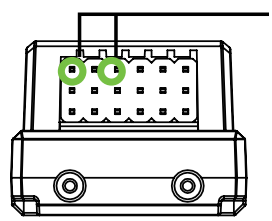
1. Power on the transmitter, then enter RX setting via Home1>Basic.
2. Touch Bind setting, after that a prompt interface comes along with it. Then set some items, such as selecting adaptive RF System, choosing two way or not, and setting start channel. Click Bind to put the transmitter into bind mode.
3. Put the receiver into bind mode.
4. When the LED of the receiver is solid on, the binding process should be completed.
5. Check to make sure the transmitter and the receiver are working

correctly, repeat steps 1 to 3 (binding process) if any problems arise.

Notes:

1. The default setting is Two-way connection. When you choose One-way connection, the receiver does not send the data to the transimitter, the LED flashes slowly after the receiver receives the bind information. You need to manually put the transmitter to exit the bind mode. When the LED of the receiver is on, it indicates that the binding process is completed.
2. Flysky AFHDS 3 classic version receiver models: FTr10/FGr4/FGr4s/ Gr4p/FTr4/FTr16S. Other Flysky AFHDS 3 receivers are enhanced version receivers.
3. RF system options: Routine 18ch, Lora 12ch and Fast 8ch (three RF options) are adaptive for AFHDS 3 enhanced version receivers. Routine 18ch: Provides 18 channels with moderate communication distance; Lora 12ch: Provides 12 channels with super anti-interference and moderate communication distance; Fast 8ch: Provides 8 channels, fast communication within short distance; Classic 18ch: Used to adapt to Flysky AFHDS 3 classic version receivers. After clicking Bind, a prompt of supported receivers will be popped up. Please select the appropriate RF system option according to the actual application scenarios and the actual receiver models.
4. When choosing Routine 18ch and Two-way, the transmitter supports double receivers mode at this time (by default, it is the single-receiver mode). When choosing the Double RX mode, set the primary and secondary receivers Start channel, and then to bind with the primary and secondary receivers respectively. Click Bind to put the transmitter to enter the bind mode.

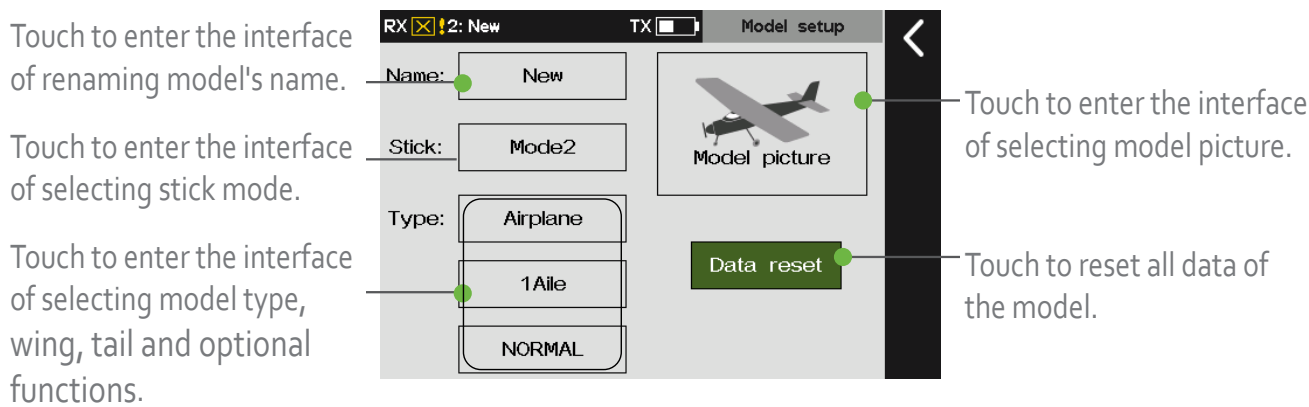
If after a firmware update is performed and the transmitter is unable to bind to the receiver, the receiver may need to be put into forced update mode. Go to the **RX setup** interface on your transmitter and select **Receiver update** to enter, then touch the receiver you want to update to complete the updating.



Insert the bind cable as shown to put the receiver into forced update mode.

Model Setup

PL18 transmitter includes a variety of options for modes, including airplanes, helicopters, gliders, multicopters, cars, boats and robots. You can set the related settings of models, such as parameters, functions. Take the airplane as an example.



Function setup:

1. Enter **Model setup** interface, touch the box next to **Type** to enter.
2. To select the wing structure for that model type according to actual model.
3. To select the tail structur for that model type according to actual model.
4. To select the function for that model type according to actual model.

⚠ Failsafe Function

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

Under the Failsafe interface, you can set to **no output** status for i-BUS-out &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.

Set i-BUS-out & PPM to no output After the **Set i-BUS-out &PPM to no output** is selected, 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.

Function setup:

If the checkbox next to right of the option is not ticked (√), it indicates that the function is disabled. After the out-of-control, 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 no output 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.

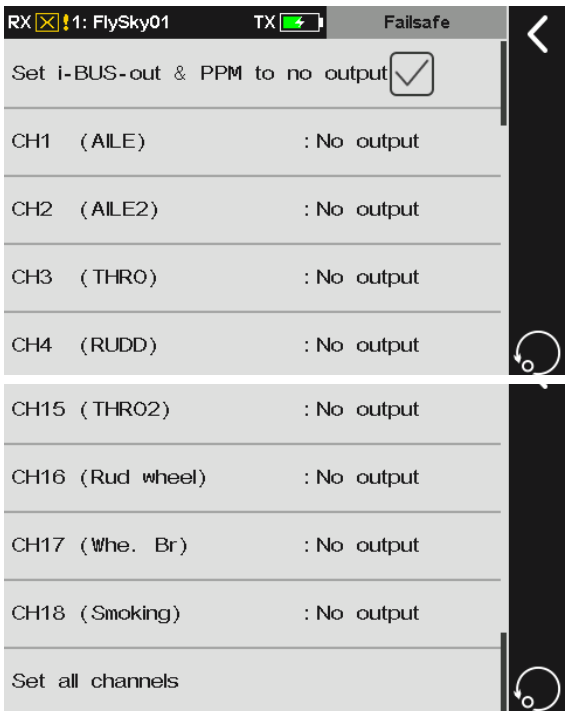
Function setup:

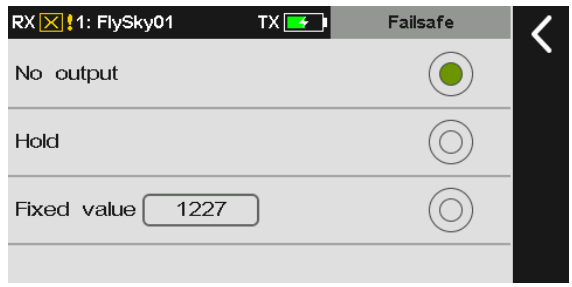
1. Touch to select the channel to be set and enter the next level interface.
2. Touch to select the desired function options. If the fixed value is selected, turn the Stick(Switch, Knob or LSW) to the desired position and hold it, and click ❮ to return. The settings are completed.

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

Function setup:

Touch this function while holding the control, after that a prompt interface comes along with it. Touch Yes to complete.





Specifications

Paladin (PL18)	
Product number	PL18
Channels	18
Adaptive models	Airplanes, Helicopters, Gliders, Multicopters, Cars, Boats and Robots.
Frequency Range	2.4GHz ISM
Transmission Power	<20dBm (e.i.r.p.) (EU)
2.4GHz Protocol	AFHDS 3
Resolution	4096
Low Voltage Alarm	＜ 3.7 V
Data port	Micro USB, Bluetooth, PHjackPPM)
Charging Port	Micro USB/Wireless charging
Antenna Type	Built-in Antenna
Input Power	1S (3.7V)*4300mAh
Online Update	Yes
Temperature Rang	-10°C ~ +60°C
Humidity Range	20% ~ 95%
Colour	Black
Dimensions	214*86.5*192 mm
Weight	946g
Certification	CE，FCC ID：N4ZFT1800

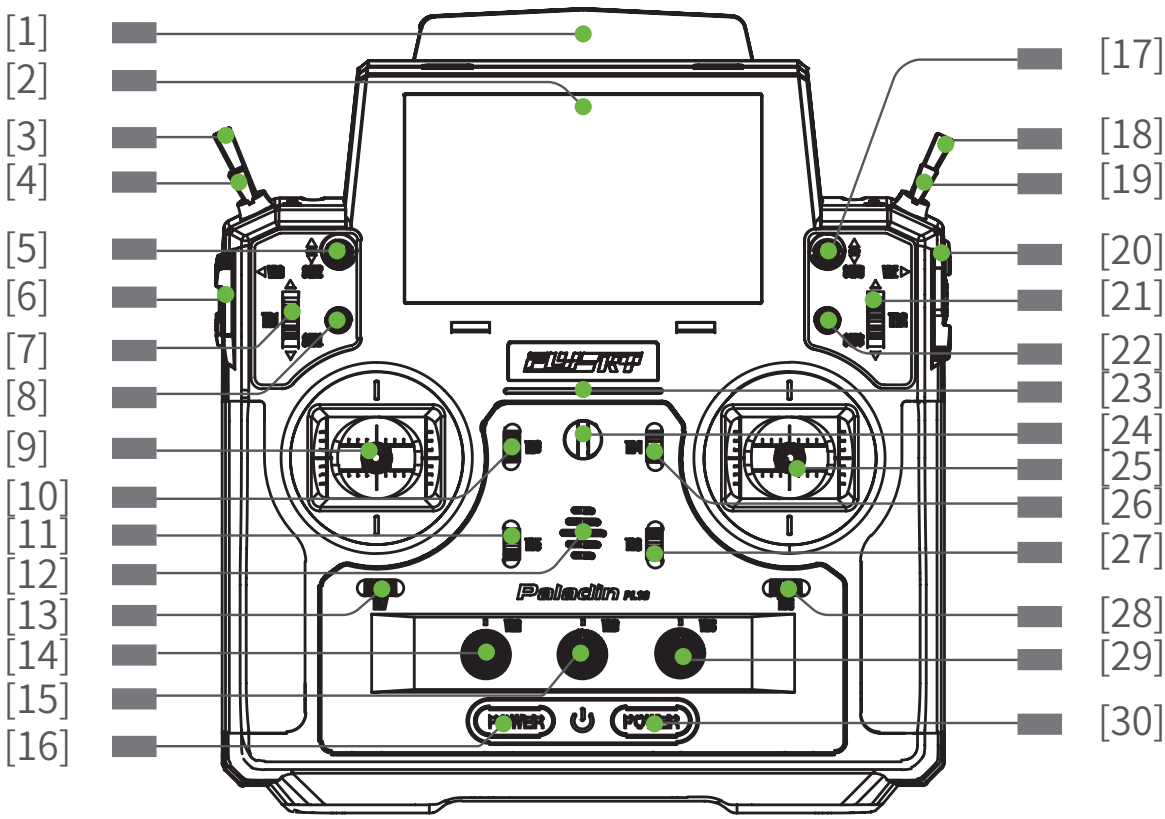
注意事项！

开始操作前请务必在 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.flysky-cn.com

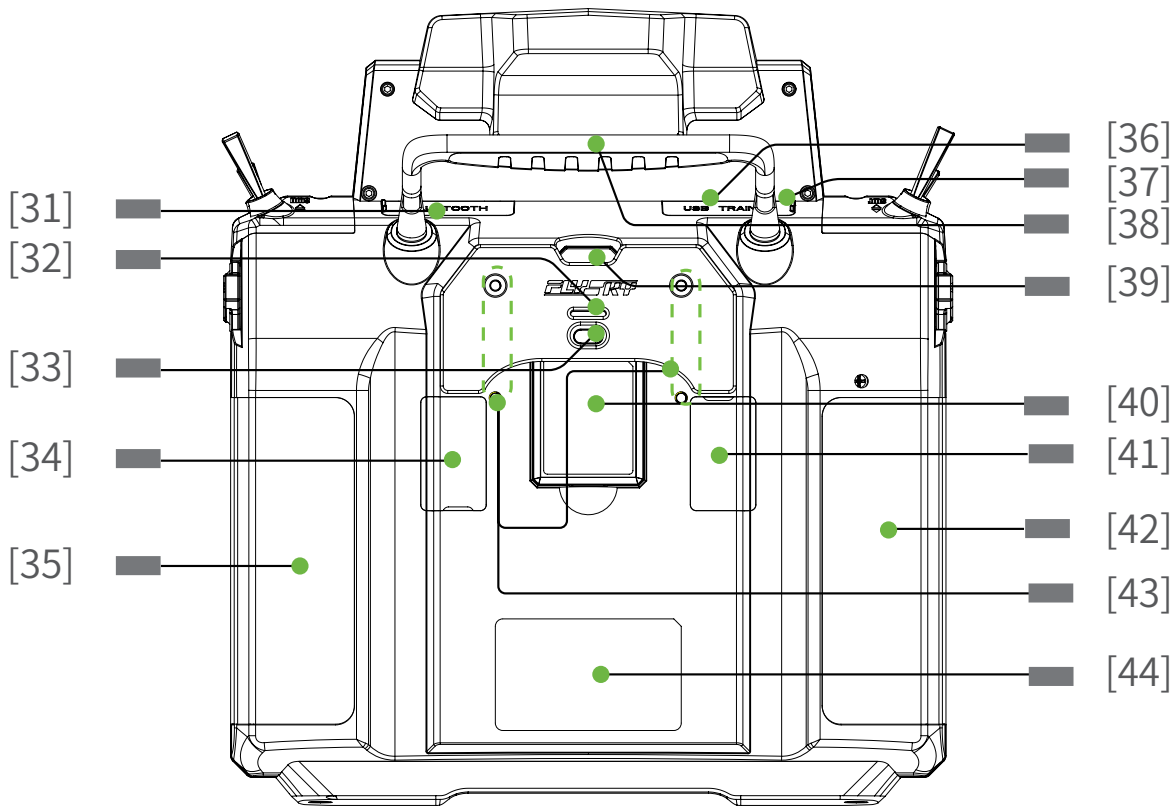
1. 发射机的天线必须距离所有人员或其他发射机至少 20 厘米的间隔距离。必须将天线安装说明和满足射频讯号辐射的发射机操作条件提供给终端用户和安装人员。
2. 特此，【Flysky Technology co., Ltd】声明无线电设备【Paladin(PL18),FT18】符合 RED2014/53/EU.
3. 欧盟 DoC 声明全文可在以下互联网地址：www.flysky-cn.com 获取。

前视图



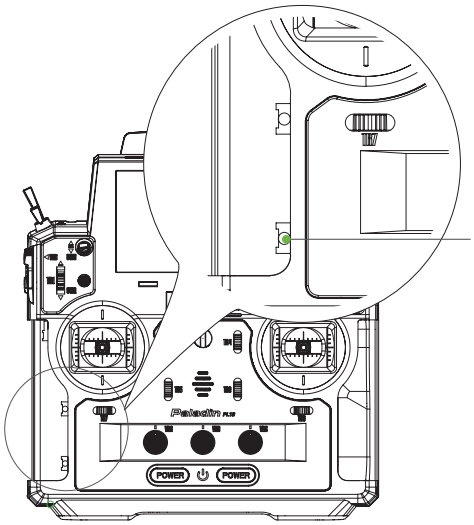
[1] 天线
[2] 显示屏
[3] SWF 拨档开关
[4] SWE 拨档开关
[5] SWB 拨档开关
[6] VRD 旋钮
[7] TR1 按键
[8] SWA 按键
[9] 左摇杆
[10] TR3 按键
[11] TR5 微调按键
[12] 喇叭
[13] TR7 微调按键
[14] VRA 旋钮
[15] VRB 旋钮
[16] 电源键
[17] SWD 拨档开关
[18] SWH 拨档开关
[19] SWG 拨档开关
[20] VRE 旋钮
[21] TR2 按键
[22] SWC 按键
[23] 发射机状态指示灯
[24] 吊环
[25] 右摇杆
[26] TR4 按键
[27] TR6 微调按键
[28] TR8 微调按键
[29] VRC 旋钮
[30] 电源键

后视图



[31] 蓝牙模块接口
[32] FRM301 指示灯
[33] FRM301 按键
[34] 总成座松紧度调节
[35] 手胶
[36] Micro USB 接口
[37] 教练接口
[38] 提手
[39] 按压弹出 FRM301
[40] 高频模块 FRM301
[41] 总成座松紧度调节
[42] 手胶
[43] 高频头转接件固定孔
[44] 无线充电感应区

- 关于 Paladin 发射机的更多操作请阅读使用说明书。



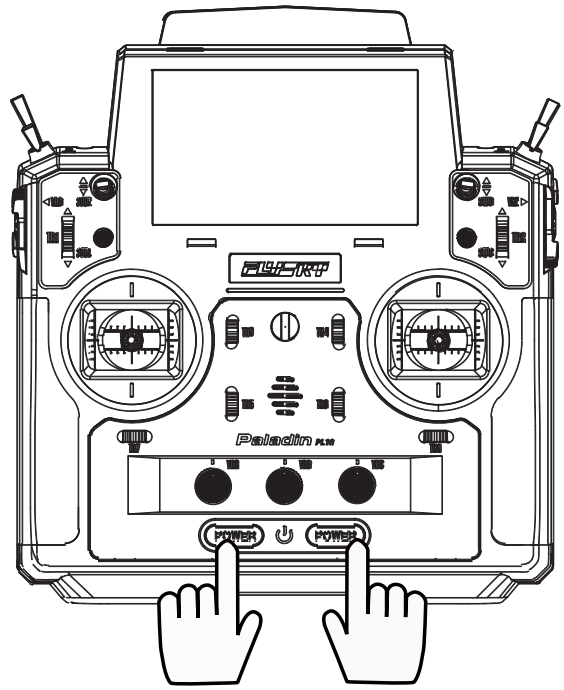
复位键位置：位于发射机正面左下部，需拨开手胶才能看到。按压复位键需借助较为细长的工具。

复位键功能：当按电源键无法关闭发射机时，需要用复位键复位发射机。

⚠ 小心	• 复位发射机后，本次开机时的设置可能失效。

开机

1. 检查系统状态，确保电池电量充足；
2. 同时按住发射机电源键，直至屏幕亮起，表示开机。



开机警告！

当开机语音提示“开关不在最高位，油门不在最低位”或“Switch is not in the high position，throttle is not at the lowest position”，同时发射机弹出提示界面时（红色表示对应控件位置需调整），请根据提示检查按键，开关，摇杆，并按照发射机提示将其放在正确位置。

关机

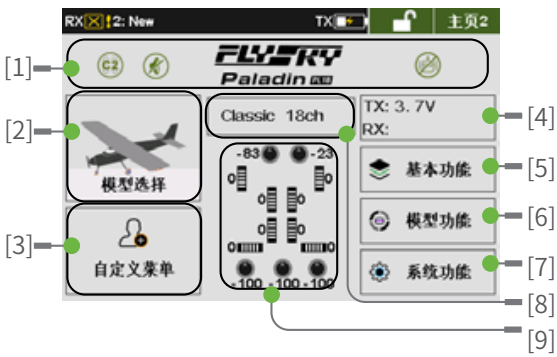
1. 断开接收机电源；
2. 同时按住发射机两个电源键，直至屏幕熄灭，表示关机。

发射机屏幕熄灭后，需等待三秒后，方可完全关闭，期间请勿再次开机。

关闭前，请务必先断开接收机电源，然后关闭发射机。如果强行关闭发射机，将有可能导致遥控设备失控或者引擎继续工作而引发事故。

主界面介绍

主页 1：



[1] 状态栏

[2] 当前模型图片 , 点击进入模型选择界面

[3] 点击可进入自定义菜单界面

[4] 发射机和接收机电压，点击进入传感器显示界面

[5] 点击可进入基本功能界面

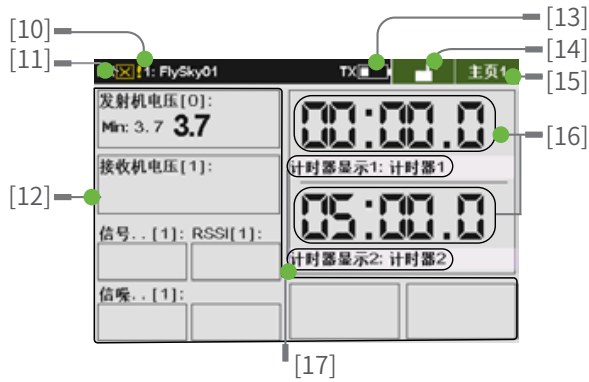
[6] 点击可进入模型功能界面

[7] 点击可进入系统功能界面

[8] 点击可进入对码设置菜单

[9] 微调控件值预览，点击进入微调设置界面

主页 2：



[10] 模型名称

[11] 信号强弱

[12] 传感器 , 点击进入传感器设置界面

[13] 发射机电量

[14] 锁屏键

[15] 菜单键，点击切换菜单 1/2

[16] 计时器 ，点击进入计时器设置界面

[17] 计时器，点击进入选择显示计时器界面

功能界面图标介绍

表示此功能或界面被锁定不可操作

表示此功能或界面可操作

表示此功能在禁用状态

表示此功能在开启状态

点击可使功能恢复初始值

点击选择切换当前模式 / 所有模式

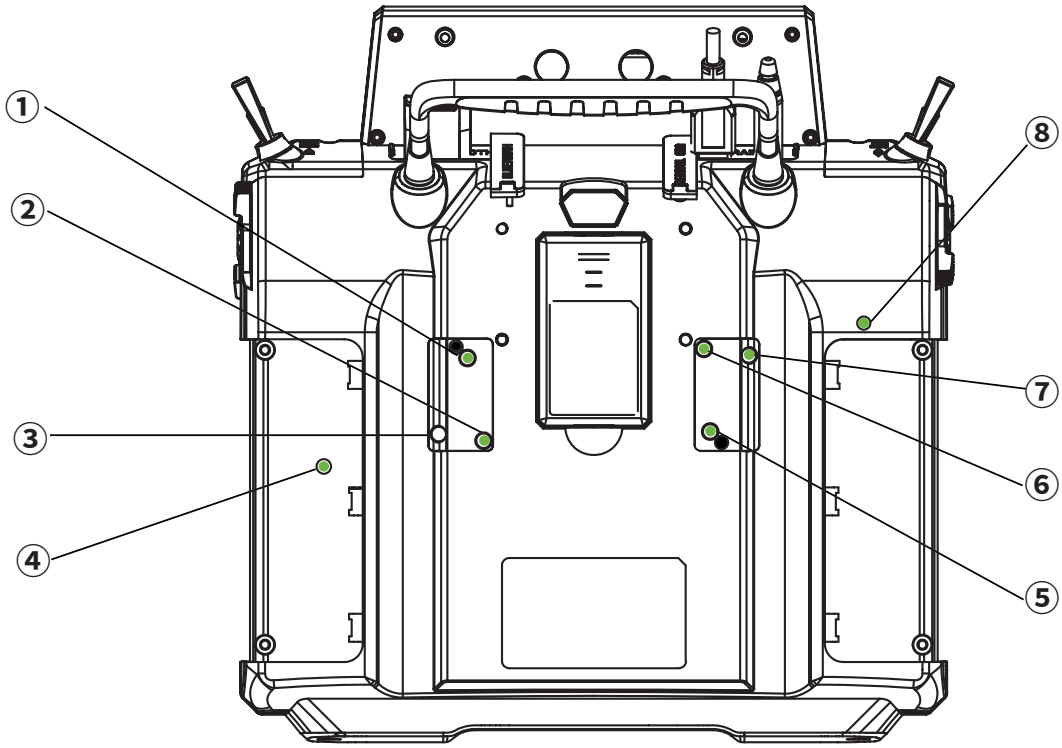
点击可进行开关等控件分配

点击返回上一级界面

点击增加数值，长按可迅速增加数值。

点击减少数值，长按可迅速减少数值。

总成座调节说明



功能设置：

用户可调节螺丝孔螺丝实现总成座纵向回中与不回中切换、不回中时拨动摩擦力、调节摇杆自回中时回中弹力，请参照以下步骤：

螺丝说明：

①.⑤	调节总成座摇杆是否回中	②.⑥	调节总成座纵向摇杆弹力
③.⑦	调节总成座横向摇杆弹力	④.⑧	调节总成座纵向摇杆摩擦力

以右边摇杆为例：

⚠注意	**螺丝总行程约为 6 圈（最紧到最松），逆时针调节时请不要过调，否则可能导致螺丝脱落。**

不回中 - 回中：

1. 请用十字螺丝刀逆时针调节①号螺丝使摇杆变为回中状态；
2. 逆时针调节④号螺丝调整摩擦力度；
3. 如还需调整回中力度，请操作②号螺丝调节回中力度，顺时针力度加强，

反之减弱。

回中 - 不回中：

1. 请用十字螺丝刀顺时针调节①号螺丝使摇杆为不回中状态；
2. 顺时针调节④号螺丝加强摩擦力度；
3. 如还需调整回中力度，请操作②号螺丝调节回中力度，顺时针力度加强，反之减弱。

摇杆模式

此机型支持四种摇杆功能，对于飞机类模型通道 1~4 默认对应“副翼、升降、油门、方向”。为适配不同的使用习惯，发射机的摇杆预设支持 4 种布局设置，根据需求点击 [模式 1]、[模式 2]、[模式 3] 或 [模式 4]，绿色图标表示当前选定模式（系统默认 [模式 2]），选定后返回，再根据选定模式及操作需求进行总成座调节，请根据实际需求选择相应模式并按照以下步骤进行操作。

功能设置：

选择 [主页 1]>[基本功能]>[模型设置]，点击 [摇杆] 右侧功能框进入摇杆模式设置界面，点击所需模式。完成后点击返回 图标即可。

注：也可在升级固件后，在升级向导页进行摇杆模式设置。此设置可以设置出厂预设的摇杆模式（1.0.55 版本以后的固件支持此功能）。

模型选择

在模型选择功能下可通过复制或新建功能建立模型，可删除非当前正在使用的模型，可搜索模型所对应的接收机。对于不同的模型，相应的模型设置也不同，此功能提供了同一台发射机可以对应不同模型使用的便利。PL18 最多支持 18 组模型。以 [复制] 功能建立模式为例说明，新建 / 删除模型功能设置请参考复制部分。

功能设置：

1. 进入 [模型选择] 界面；

2. 点选要复制的模型；
3. 点击 [复制]，弹出界面上点击 [是] 即完成复制。

PWM 频率

此功能用于调节通道输出控制舵机频率，根据使用的舵机设置正确的输出频率值。默认舵机频率为 50Hz，调节范围在 50-400Hz 之间。

有些舵机的操控频率可能与默认频率不同，为了使舵机正常运行，可以通过此功能更改舵机 PWM 频率。发射机对码增强版与经典版的接收机后，对应的 PWM 频率界面不同。以增强版接收机为例：

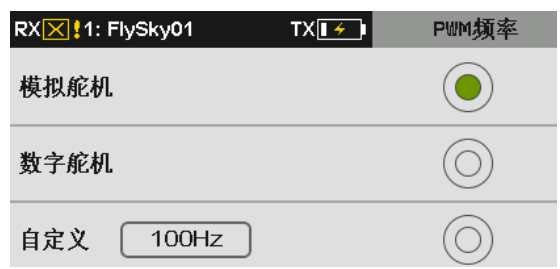
功能设置：

1. 点击要设置的功能项进入下一级设置界面；
2. 根据实际使用的舵机选择正确的频率项，点返回键返回。
3. 若选择 [自定义]，点 [+]/[-] 设置合适的频率值；
4. 若选择“与高频同步”，则点击右侧功能框，出现 " √ ” 即与高频同步，勾选后 PWM 频率将同步至高频。

若连接经典版接收机，功能设置参见增强版功能设置描述。

增强版接收机界面

经典版接收机界面



模拟舵机（50Hz）、数字舵机（333Hz）为市场上较通用舵机频率值，故单独设定以便您快捷操作，为了使舵机正常运行，请先查阅舵机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。请注意若设置错误时会出现抖舵甚至损坏舵机等情况。

充电方式

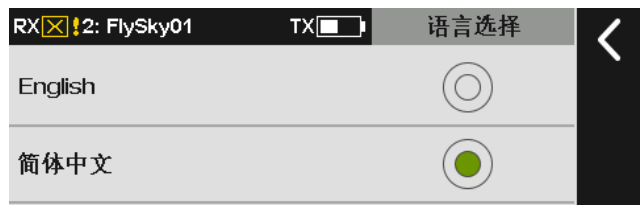
PL18 可将 Micro USB 线插入充电口充电或通过无线充电底座对其充电。

注：请在安全值内（4h@5V*2A/7h@2A 无线充）对其进行充电，过充可能会导致电池损坏；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。建议将锂电池充到 40-50% 的容量保存。例如建议锂电的保存电压为 3.85V，且间隔 3~6 个月需检查电池的电压值，若低于 3.85V，请重新充电至此电压值后再继续保存。

请使用本款发射机标配的充电线对其进行充电，使用不当可能造成电池损坏影响使用寿命。

语言

PL18 支持两种语言：



功能设置：

1. 从 [主页 1] 进入 [系统功能] 界面；
2. 点击 [通用设置] 进入设置界面，点击 [语言选择] 进入设置界面；
3. 根据需要选择语言，设置完成后，点击返回图标返回。

高频模块固件升级

高频模块固件升级可通过如下两个途径完成。

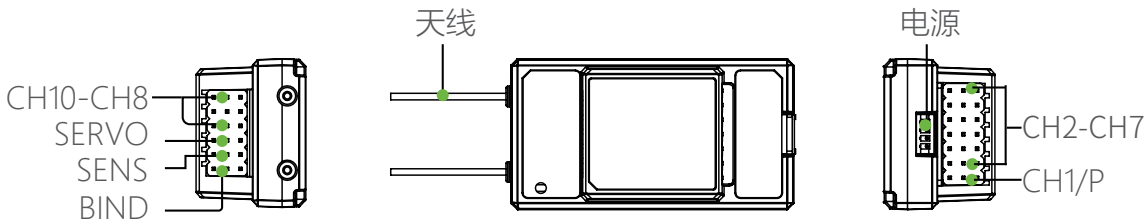
- 若发射机更新固件后第一次开机时出现开机向导，则依据提示依次完成摇杆模式、摇杆校准及 RF 更新；
- 或通过如下步骤更新：

1. 从 [主页 1] 进入 [基本功能] 界面；
2. 点击 [高频设置] 进入设置界面；
3. 点击 [高频固件更新], 在弹出提示后，点击 [是] 即进入更新状态，更新完成后，自动退出更新界面。

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，以与 FTr10 接收机对码为例。

Ftr10 接收机概览如下：



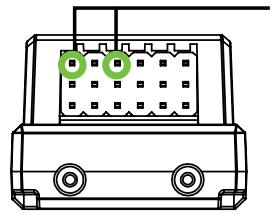
功能设置：

1. 打开发射机，进入 [主页 1]>[基本功能]>[接收机设置]；
2. 点击 [对码设置]，然后在弹出的确认框中选择合适的 RF 系统及是否双向通信，设置起始通道后点击 [对码]，发射机进入对码状态；
3. 使接收机进入对码状态；
4. 当接收机指示灯变为常亮时，表示对码成功。
5. 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：

1. 默认为双向通信，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，若接收机指示灯变为常亮，则表示对码成功；
2. 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；
3. RF 系统项：Routine 18ch、Lora 12ch 和 Fast 8ch 三个 RF 系统选项用于适配富斯 AFHDS 3 增强版接收机。Routine 18ch：提供 18 通道，通信距离适中；Lora 12ch： 提供 12 通道，超强抗干扰，通信距离适中； Fast 8ch: 提供 8 通道，通信速度快，但通信距离较近； Classic 18ch：用于适配富斯 AFHDS 3 经典版接收机，点击 [对码] 后，会弹出支持的接收机列表提示菜单。请根据实际应用场景及实际接收机型号选择合适的 RF 系统项 ;
4. 当选择 Routine 18ch，且选择选择 [双向通信]，此时发射机支持双接收机模式，默认单接收机模式。当选择双接收机模式后，要先设置主副接收机 [起始通道]，然后分别对主、副接收机对码，点击 [对码] 发射机即进入对码状态。

发射机在更新完后，如无法与接收机对码，需强制更新接收机。在接收机进入强制更新模式后，在 [接收机设置] 功能中选择 [接收机固件更新]，选择对应的接收机后点击 [升级]，即可完成更新。



插入对码线短接，Ftr10 进入强制更新模式。

以上步骤适用于 Paladin 与 FTr10 的接收机对码，如您使用的是其他接收机，请进入官网查询。

模型设置

PL18 发射机支持飞机、滑翔机、直升机、多轴、车、船和机器人七种模型类型。通过此功能可设置各个模型参数及功能，以固定翼飞机为例，其他模型设置请参考飞机的功能设置部分。

点击进入修改模型名称界面，可以修改模型名称。

点击进入摇杆模式设置界面。

点击进入模型类型及相关结构和功能的设置界面。

点击进入更改模型图片界面。

点击重置模型数据，请注意重置后原数据会被删除。

功能设置：

1. 进入 [模型设置] 界面，点击“飞机”；
2. 根据实际模型点选合适机翼结构；
3. 根据实际模型点选合适尾翼结构；
4. 根据实际模型点选功能。

⚠ 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-out&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。

i-BUS-out&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。

功能设置：

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] 表示无信号输出；[保持] 表示失控时保持输出最后信号；[固定值] 可以通过移动控件来设置失控保护输出值。

功能设置：

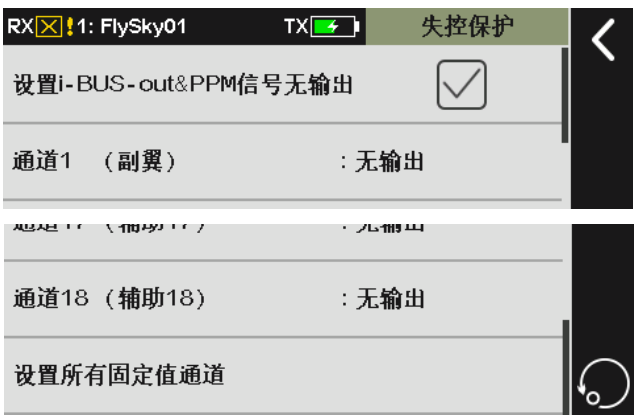
1. 选择需要设置的通道，进入下一级界面；
2. 选择合适功能项；若选择固定值，则将摇杆（开关、旋钮或逻辑开关）拨到需要的位置并保持，同时点击返回图标即完成设置。

设置所有固定值通道

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。

功能设置：

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。



规格参数

Paladin (PL18)

产品型号	PL18
通道个数	18
适配模型	飞机、直升机、滑翔机、多轴、车、船、机器人
无线频率	2.4 GHz ISM
发射功率	＜ 20dBm (EU)
无线标准	AFHDS 3
通道分别率	4096
低电压报警	＜ 3.7 V
数据接口	Micro USB、BLUETOOTH、PHJACK（PPM）
充电接口	Micro USB/ 无线充
天线类型	内置天线
输入电源	1S （3.7V）*4300mAh
在线更新	支持
温度范围	-10°C ~ +60°C
湿度范围	20% ~ 95%
发射机颜色	黑色
外形尺寸	214*86.5*192 mm
机身重量	946g
认证	CE，FCC ID：N4ZFT1800、RCM

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。

Figures and illustrations in this manual are provided for reference only and may differ from actual product appearance. Product design and specificatiions may be changed without notice.

FCC ID: N4ZFT1800、RCM

出版日期 :2021-12-08

Manufacturer：FLYSKY Technology Co., Ltd

Address: 16F, Huafeng Building, 6006 Shennan Road, Futian District, Shenzhen