Elysium

EL18
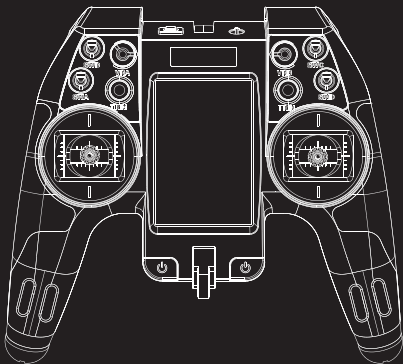

Quick Start Guide

Precautions !

Before using this product, please download and read the "Disclaimer & Warning" document via https://www.flyskytech.com/info_detail/10.html and user manual from our official website：www.flysky-cn.com

DoC Declaration

We declare that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.Any

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Environmentally friendly disposal

Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.

RF Exposure Statement

The device has been evaluated to meet general RF exposure requirement.The device can be used in portable exposure condition without restriction.

Front
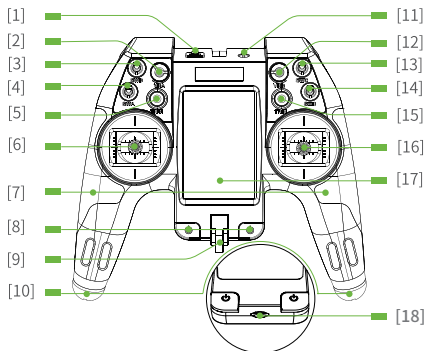
[1]	Type-C USB Port	[10]	Battery Compartment
[2]	VRA	[11]	Trainer Port
[3]	SWB	[12]	VRB
[4]	SWA	[13]	SWC
[5]	Trim	[14]	SWD
[6]	Left Stick	[15]	Trim
[7]	Grip	[16]	Right Stick
[8]	Power Switches	[17]	Screen
[9]	Neck Strap Hook	[18]	SD card slot

Back
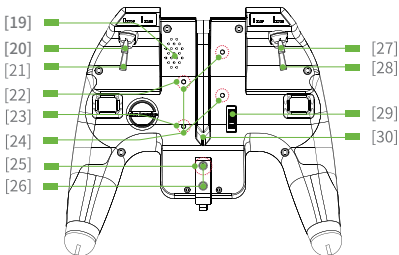
[19] Speaker
[20] SWG
[21] SWH
[22] SWF
[23] RF Firmware Forced-update Button
[24] Type-C Connection Switch Button

[25] DFU Button
[26] Antenna
[27] Module Port
[28] SWF
[29] Stealth I/O RF module interface
[30] Rotatable Anttena

- For more information, please read the EL18 User Manual.

Battery Installation

1. Unscrew the two battery compartment covers.
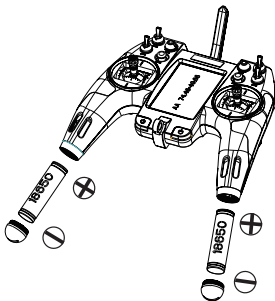
2. Insert 18650 batteries, one in each compartment.
   - Pay attention to battery polarity when installing the batteries. See diagram above.
   - To ensure a stable power supply, use 2 batteries.
3. Screw the battery compartment covers back into place.

Power On

1. Make sure that all switches are in their highest position and the throttle stick is at its lowest position.
2. Press and hold both power switches until the EL18 screen will turn on, indicating the transmitter is powered on.

Binding with TMr Receiver

Bind button

Antennas

GND
VCC
N.Port

LED
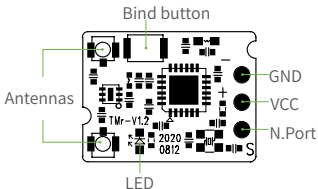
The TMr receiver supports binding in two-way or one-way mode, follow the steps below to finish the binding in two-way mode.

1. Enter the **Model Setttings** menu, then select suitable RF to enter the submenu. After setting the corresponding mode, ie FLYSKY AFHDS 3, and suitable type(Routine 18ch, Fast 8ch or Lora 12ch), tap the **Bind** to put the transmitter into bind state.

2. Press and hold the receiver **Bind** button while powering on the receiver, release the **BIND** button after receiver is powered on or powering on the receiver first, then press and hold the Bind button for 3 seconds, the LED of the receiver will flash rapidly, indicating the receiver is in bind mode;

3. The binding process is finished when the LED of the receiver is solid on.

4. Check to make sure the transmitter and the receiver functions are working correctly, repeat steps 1 to 3 (binding process) if any problems arise.

   - For one-way mode,after the receiver LED becomes slow flashing, then put the transmitter to exit the binding state. At this time, the receiver LED is solid on, indicating that the binding is successful.

Power Off

1. Power off the receiver.
   - To ensure safety, be sure to turn off the receiver before turning off the transmitter.
2. Press and hold both power switches at the same time until the screen turns off.

Neck Strap Hook and SD Card installation

1. Loosen the two hexagon socket screws at the back neck strap hook.
2. Remove the neck strap hook to expose the SD card slot.
3. Press the SD card inwards and release to remove it.

SD card slot
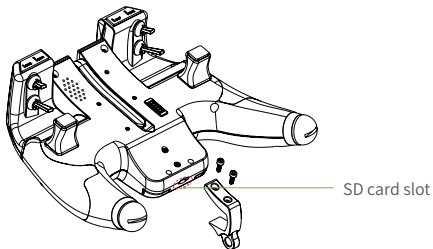
# Neck Strap Hook and SD Card installation

RF Firmware Forced update button, **Type-C Connection Switch** button and **DFU** button are at the back of the transmitter, and locate in the corresponding screw hole shown in the following figure.

RF Firmware Forced update Button: To upgrade the RF firmware in forced mode.

Type-C Connection Switch Button: To switch the Type-C connection to RF MCU or the transmitter MCU.

DFU button: Used to update the transmitter firmware.

- About details, please refer to the related section in its User Manual.

RF Firmware Forced update Button

Type-C Connection Switch Button

DFU button
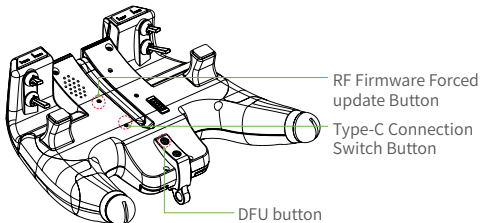
RF Module Adapter Installation

Two RF module adapters have attached with the transmitter to match different RF module. To install the suitable RF module adapter according to the actual RF module. If the RF module has Nano interface, please install the FGPZ04 RF module adapter, and FGPZ05 RF module adapter is for RF module with JR interface.

Follow the steps below to install the RF adapter.

1. There are 4 screw holes and one port at the back of the transmitter, shown as below. The screw holes are used to fix the RF module adapter to the transmitter and the port is used to connect the interface of the RF module adapter.

2. Align the holes of the RF module adapter up to the holes on the transmitter, and make sure the interface of the RF module adapter insert the port entirely, then tighten the screws.

FGPZ04 adapter

FGPZ05 adapter
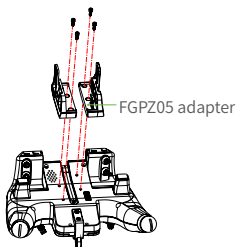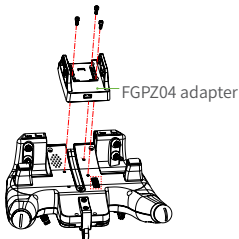
Specifications

Product Number	EL18
Compatible Receivers	Classic receivers, such as FTr10 or FTr16s, etc. Enhanced receivers, such as FTr8B, FTr12B or Tmr, etc.
Compatible Models	Racing drones, fixed-wingaircraft, gliders or multicopters, etc.
Channels	18
RF	2.4GHz ISM
2.4G Protocol	AFHDS 3
Maximum Power	< 20dBm (e.i.r.p.) (EU)
Antenna	Two(one built-in and one external antenna)
Input power	2*18650 Li-Ion batteries
Working Current	400mA/4.2V
Data output	Typc-C USB
Charging port	Typc-C USB
Resolution	4096
Screen	320*480 resolution IPS Color Touchscreen
Distance	>3500m (Air distance without interference)
Online Update	Yes
Temperature Range	-10℃ ~ +60℃
Humidity Range	20% ~ 95%
Dimensions	205*183.7 *82.9mm
Weight	726g
Certifications	CE，FCC ID：2A2UNEL1800

注意事项！

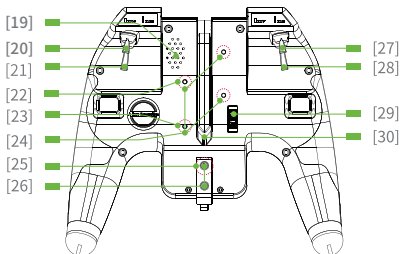开始操作前请务必在 Flysky 官网下载并阅读《免责声明 & 警告》了解安全注意事项（https://www.flyskytech.com/info_detail/10.html），并在 Flysky 官网下载阅读使用说明书。

Flysky 官网地址：www.flyskytech.com

前视图:
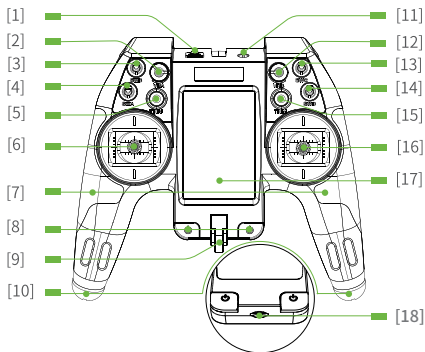
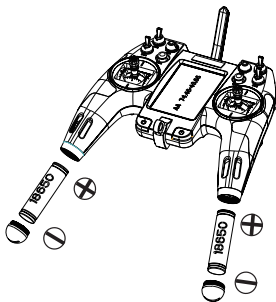| [1]	Type-C USB 接口	[10]	电池仓盖
[2]	VRA	[11]	教练接口
[3]	SWB	[12]	VRB
[4]	SWA	[13]	SWC
[5]	TRIM	[14]	SWD
[6]	左摇杆	[15]	TRIM
[7]	手胶	[16]	右摇杆
[8]	电源键	[17]	触摸屏
[9]	吊环	[18]	SD 卡槽

后视图:

[19]	喇叭	[25]	DFU 复位开关
[20]	SWG	[26]	固定吊环螺丝孔
[21]	SWH	[27]	SWF
[22]	高频固件强制更新按键	[28]	SWE
[23]	Type-C 连接切换按键	[29]	Stealth I/O 高频头接口
[24]	固定高频支架转接件螺丝孔	[30]	旋转天线

● 关于 EL18 发射机的更多操作,请阅读使用说明书。

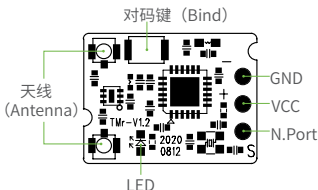## 电池安装

1. 分别拧下发射机手柄处的**两个电池仓盖**；

2. 分别将两节 18650 电池置入电池仓内；
   - 请注意电池的正负极，请勿反接。电池的正负极安装如图所示。
   - 为保证电池的供电能力，请使用双电池供电。
3. 将电池仓盖拧回手柄处，并拧紧，保证电池接触良好。

开机

1. 将所有档位开关拨至最上档位，油门最低；
2. 同时长按两个电源键直至 EL18 屏幕亮起，表示开机成功。

与 TMr 接收机对码

对码键（Bind）

天线
（Antenna）

GND

VCC

N.Port

LED

TMr 接收机支持当双向对码，依照如下步骤完成双向对码：

1. 进入发射机菜单中【模型设置】菜单，选择【内置射频】进入子菜单，设置相应的模式（FLYSKY AFHDS 3）和类型（Routine 18ch、Fast 8ch 或 Lora 12ch）后，点击【对频】，发射机即进入对码状态；

2. 按住接收机对码按键同时上电后松开对码键（或者先给接收机上电后，长按对码键 3 秒），接收机指示灯快闪，表示进入对码状态；

3. 当接收机指示灯变为常亮时，对码成功；

4. 检查发射机、接收机、模型是否工作正常。如需重新对码，请重复以上步骤。

   • 若对码的发射机是单向模式进入对码状态时，TMr 接收机 LED 灯变为慢闪后将发射机退出对码状态，此时接收机 LED 灯常亮，表示对码成功。

关机

1. 关闭接收机电源；
   - 为保证安全，请务必在关闭发射机前先关闭接收机电源。
2. 同时按下两个电源键，直至发射机屏幕熄灭。

吊环以及 SD 卡的拆装

1. 松开吊环背面处两颗内六角螺丝；
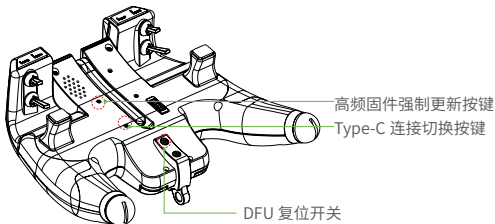2. 取下吊环，同时露出 SD 卡插槽；
3. 向里轻按 SD 卡，SD 卡会自动弹出。

SD 卡槽
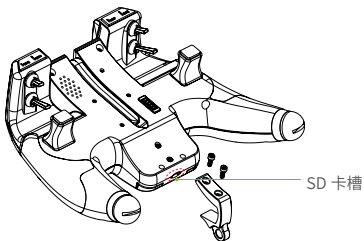
背部几个按键介绍

"高频固件强制更新按键"、"Type-C 连接切换按键"和"DFU 复位开关"都位于发射机背部，如图所示，位于相应位置的螺丝孔内。

高频固件强制更新按键：用于强制更新高频固件；

Type-C 连接切换按键：切换 Type-C 连接至高频头 MCU 或发射机 MCU；

DFU 复位开关：用于更新发射机固件。

• 详细操作请查看说明书中相关章节。

高频固件强制更新按键
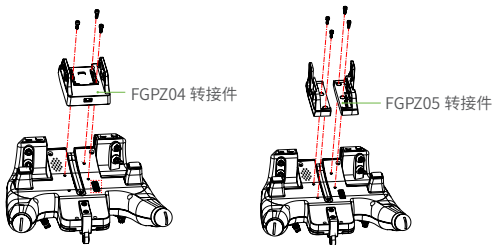Type-C 连接切换按键

DFU 复位开关

高频头转接件安装

本发射机出厂附带两款高频转接件，以匹配不同的高频头。请根据实际高频头选择合适的高频转接件安装。FGPZ04 高频转接件用于 Stealth I/O 接口转 Nano 接口；FGPZ05 高频转接件用于 Stealth I/O 接口转 JR 高频头接口。

高频头转接件安装步骤如下：

1. 发射机背后有四个螺丝孔和一个转接孔，如下图所示。螺丝孔用于安装固定高频头转接件；转接孔用于连接高频头转接件的转接头。

2. 如图将转接件的螺丝孔位与发射机螺丝孔位对齐，同时注意确保将转接头插入转接孔，然后拧紧螺丝，即安装成功。

FGPZ04 转接件

FGPZ05 转接件

规格参数

产品型号	EL18
适配接收机	经典版接收机：FTr10 或 FTr16s 等； 增强版接收机：FTr8B、FTr12B 或 Tmr 等
适合机种	穿越机、固定翼、滑翔机或多轴等
通道个数	18
无线频率	2.4 GHz ISM
无线协议	AFHDS 3
发射功率	< 20dBm
天线类型	双天线（内置天线 + 外置可旋转天线）
输入电源	2* 18650 Li-Ion 电池
工作电流	400mA/4.2V
数据输出	Typc-C USB
充电接口	Typc-C USB
通道分辨率	4096
显示屏	320*480 分辨率 IPS 触摸彩屏
遥控距离	> 3500 米（空旷无干扰空中距离）
在线更新	支持
温度范围	-10℃ ~ +60℃
湿度范围	20% ~ 95%
外型尺寸	205*183.7*82.9mm
机身重量	726g
认证	CE，FCC ID：2A2UNEL1800

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