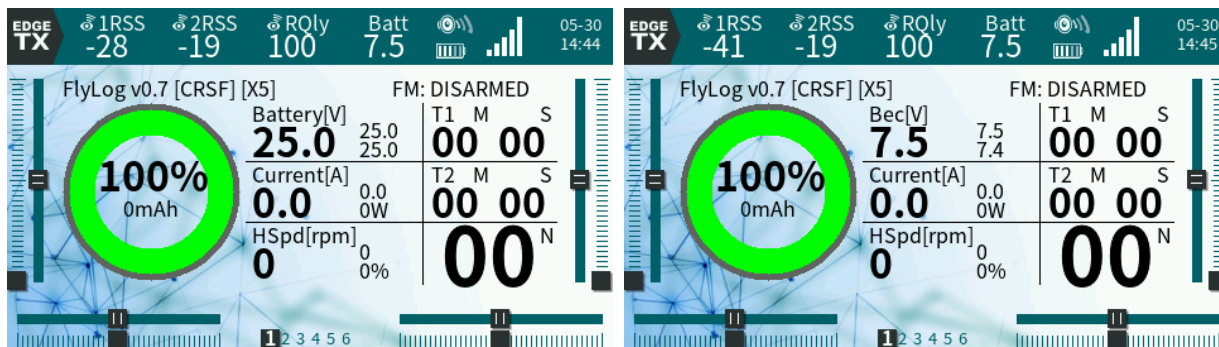# How to use FlyLog script_CRSF protocol v0. 7_20240530

Introduction:

The FlyLog script can automatically identify the data returned by telemetry and refresh and display it under a new name. It is very simple to add and set up. There are 7 real-time data, which can record 56 sets of detailed data. The page is as follows:

update content:v0.7 version

■ Added BEC voltage display and recording. There are 3 ways to display voltage. For details, please see the setting method below. It is applicable to FlyDragon V2.2 version. Operating environment: System version 2.9 and above; 480x272 color screen.

ESC return:

The RF gyroscope currently supports the return telemetry protocols of BLHeli32, Hobbywing V4, Hobbywing V5, Scorpion, Kontronik, OMPHobby, ZTW, APD, and other ESCs are waiting for adaptation.

■ **Hardware connection**: The TX line of the ESC is connected to the RX line of the gyroscope; for example, for Hobbywing 120A ESC, the return transmission outlet is the P port. There are three places for the RX port of the FlyDragon gyroscope, namely SBUS on the rear outlet, RX3 on the EXT port and RX5 on the GPS port, please see [Wiring Diagram-Built-in Receiver V2 Version] Wiring diagram.

■ **Software settings**: Open the rotorflight-configurator software, switch to the [Configuration] page, and select the serial port you connected to the ESC; I connected it to serial port 2, which is the SBUS on the rear outlet, and set it as follows:

串行端口	
UART1	串行接收机
UART2	电调遥测
UART3	已禁用
UART5	已禁用

Switch to the [Motor] page and select the telemetry protocol of the ESC; for Hobbywing 120A ESC, the protocol is Hobbywing V4, set as follows:

电调/电机功能		
⚙ 配置	PWM	电调油门协议
📶 接收机		
🛡 失控保护	Hobbywing V4	电调遥测协议
🔔 蜂鸣器	250	电调刷新率
🔌 电源	1000	上锁油门 PWM 值
⟳ 陀螺仪	1000	0% 油门 PWM 值
🎚 电机	2000	100% 油门 PWM 值

Switch to the [Power] page, select the ESC sensor for both the voltmeter and the ammeter, and write the nominal value of the battery capacity used by the machine as the capacity value, and leave other values as default.
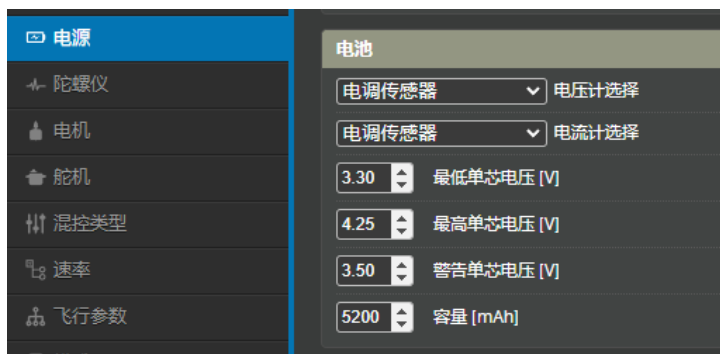
Open passback item: Switch to the [Receiver] page and open the return project, as shown below:

■ **Switch data channel**: Switch to the [CLI (command line)] page, paste the following command into the send window, and press on the computer keyboard**Enter**key to send the command. **set crsf_att_pitch_reuse = BEC_VOLTAGE set crsf_gps_heading_reuse = THROTTLE set crsf_flight_mode_reuse = GOV_ADJFUNC set crsf_gps_altitude_reuse = HEADSPEED set crsf_gps_ground_speed_reuse = ESC_TEMP set crsf_gps_sats_reuse = MCU_TEMP save**
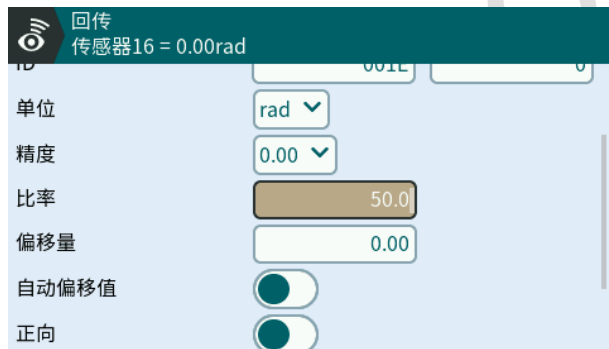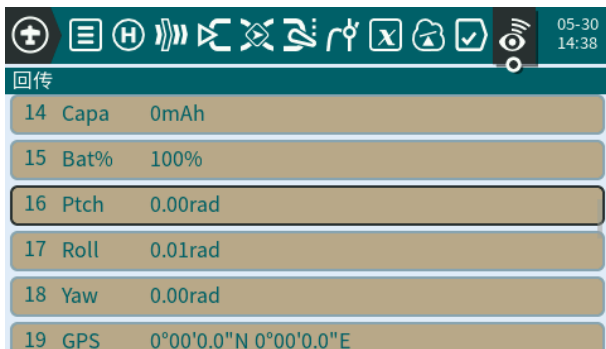
remote control:

■ **Install FlyLog script**: Copy the FlyLog folder to the SD card of the remote control**WIDGETS**Next, if prompted, please select Replace, as shown below:
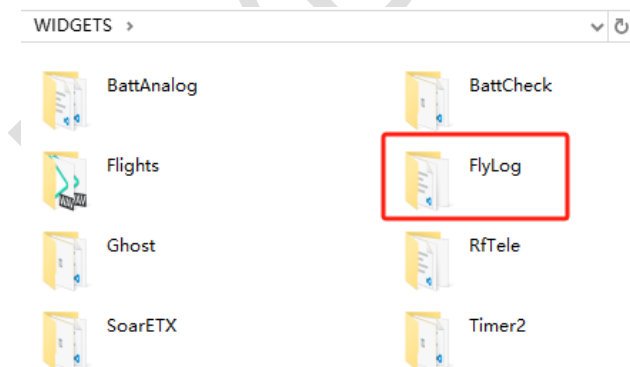

■ **Scan for new telemetry data items**: Click on the remote control**MDL**Press the button to switch to the [Return] page and scan for new return items.
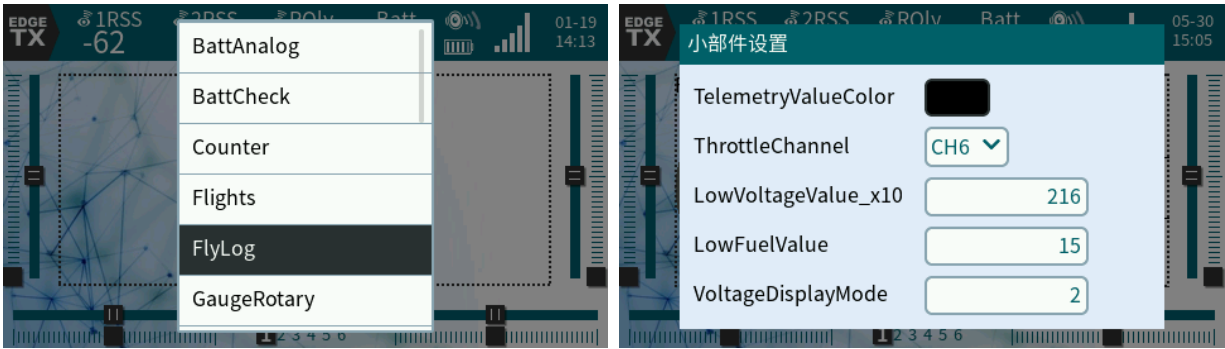
After scanning, stop scanning. Scroll the shuttle wheel, find the Ptch sensor item, enter editing, and set the ratio to 50, as shown below:

Add script: Click on the remote control**TELE**Press the button and follow the steps below to set:
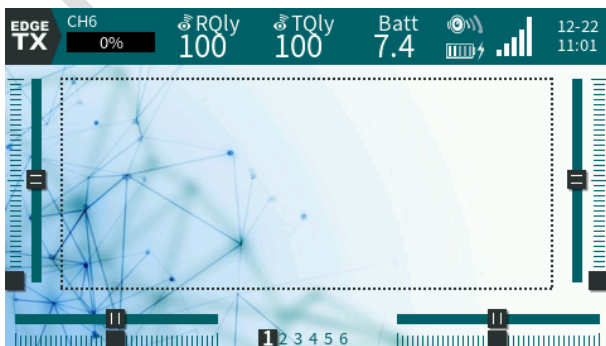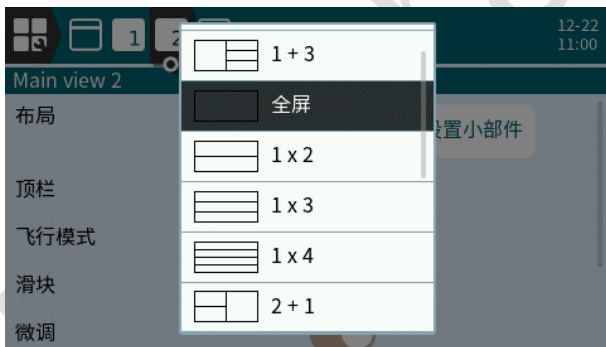
Note: If it is added for the first time and it does not run normally or does not display data, just restart the remote control once. At this point,

the FlyLog script settings are completed.

■ **Setup script:** Long press the screen or scroll wheel to pop up the setting script window, and the throttle channel is based on actual conditions.


TelemetryValueColor: Set the font color

ThrottleChannel: Throttle channel

LowVoltageValue_x10: Power battery low voltage alarm threshold (a value of 0 means the alarm is turned off) , expanded 10 times. For example, setting 216 means the voltage value is 21.6V.

LowFuelValue: battery capacity percentage alarm threshold (a value of 0 means the alarm is turned off) **VoltageDisplayMode: Voltage display mode, 0: Battery[V] and Bec[V] are displayed in turn at intervals of 1 second; 1: Battery[V] is always displayed; 2: Bec[V] is always displayed;**

■ **View flight records:** Long press the screen or the scroll wheel to pop up the window, click the screen or click the scroll wheel to enter full screen mode.
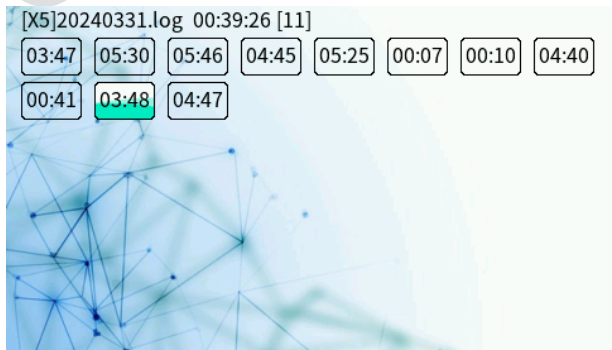
Click the corresponding log icon to view detailed data, click again to close the details window (you can also close the window by sliding to the right on the screen) .
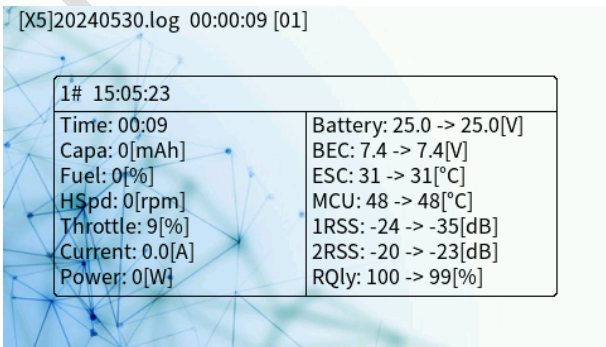
1#: log number

xx:xx:xx: The time point recorded in the Log file of this flight

Time: The time of this flight

Capa: Capacity consumed by this flight

Fuel: Percentage of capacity consumed by this flight

HSpd: the highest speed for this flight (excluding super speed)

Throttle: The highest throttle value for this flight

Current: Maximum current value for this flight

Power: Maximum power value for this flight

Battery: maximum and minimum voltage for this flight

BEC: Maximum and minimum BEC voltage for this flight

ESC: The highest and lowest value of the ESC temperature for this flight

MCU: The highest and lowest value of main control temperature for this flight

1RSS: The maximum and minimum signal strength of antenna 1 for this flight

2RSS: The maximum and minimum signal strength of antenna 2 for this flight

RQly: The maximum and minimum uplink quality of this flight

■ **Disclaimer:**The FlyLog script is open source software and no guarantee or implication is made as to the quality or reliability of the script. If handled improperly, RC models can cause serious injury or even death,

and if you decide to use FlyLog scripts, you are solely responsible for your model. The author of the FlyLog script does not assume any responsibility for any harm or damage caused by the use of the FlyLog script.

Use of the FlyLog script indicates acceptance of this statement.