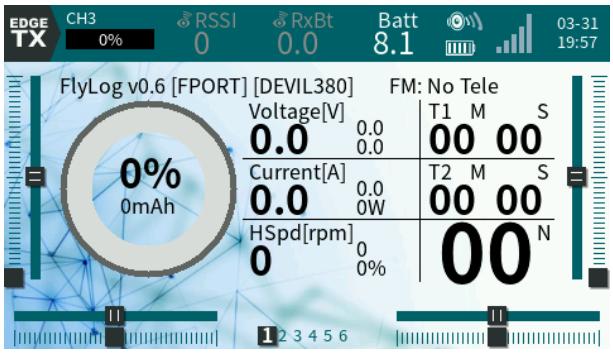
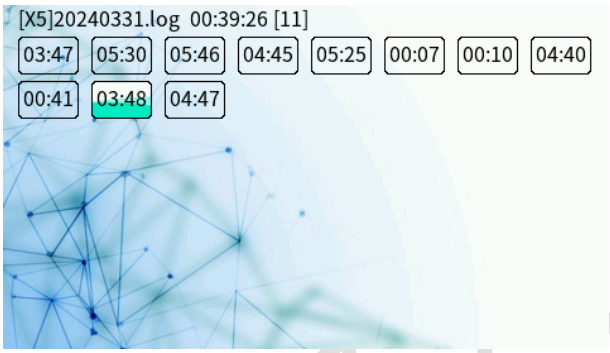
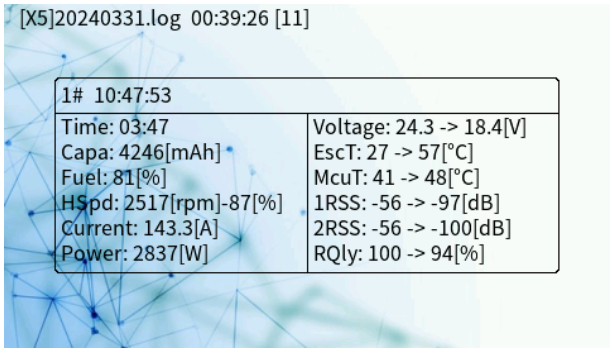
How to use FlyLog script_F.Port protocol v0. 6_20240331

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:v0.6 version

- The log directory and detail window have been changed to have rounded corners and a transparent style; the program's functions and variables have been rewritten according to specifications, and the code has been optimized to improve operating efficiency. 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:

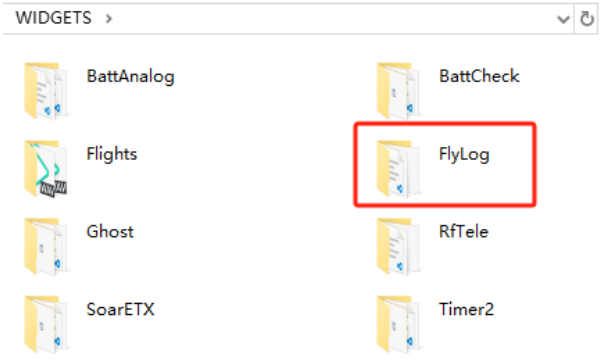
Switch to the [Motor] page and select the telemetry protocol of the ESC; for Hobbywing 120A ESC, the protocol is Hobbywing V4, set as follows:

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.

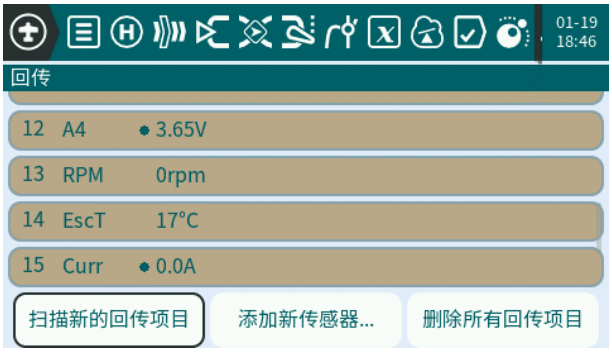
Open passback item: Switch to the [Receiver] page and open the return project, as shown below:

remote control:

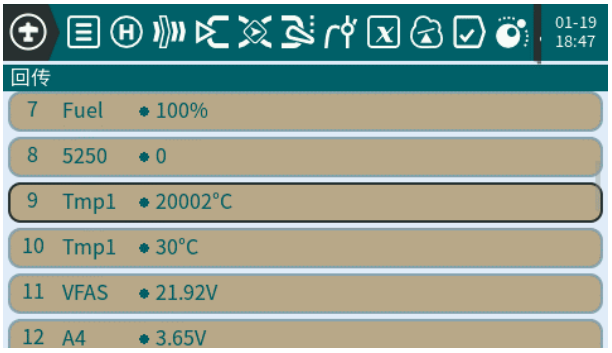
- **Install FlyLog script**: Copy the FlyLog folder to the SD card of the remote control**WIDGETS**Next, if prompted, please select Replace, as shown below:



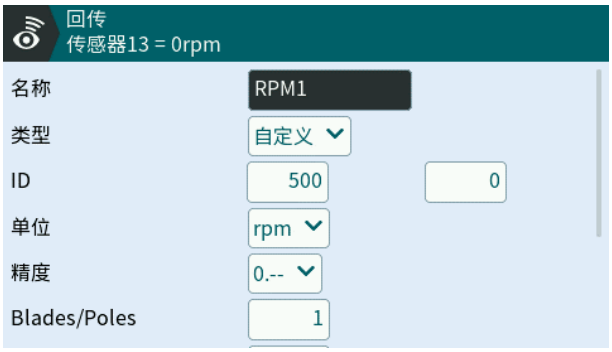
- **Scan for new telemetry data items**: Click on the remote control**MDL**Press the button to switch to the [Return] page and scan for new return items.



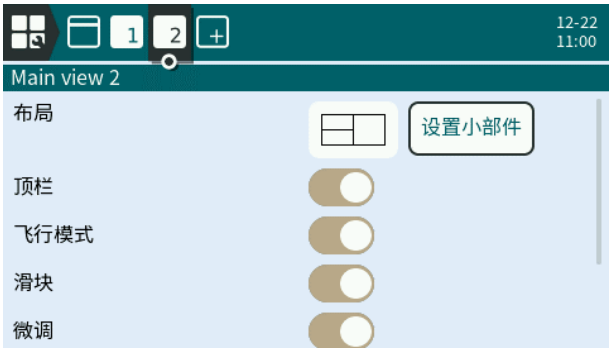
After scanning, stop scanning, scroll the shuttle wheel, find the 5-digit item Tmp1, enter editing, change the name to FM, and return after modification, as shown below:

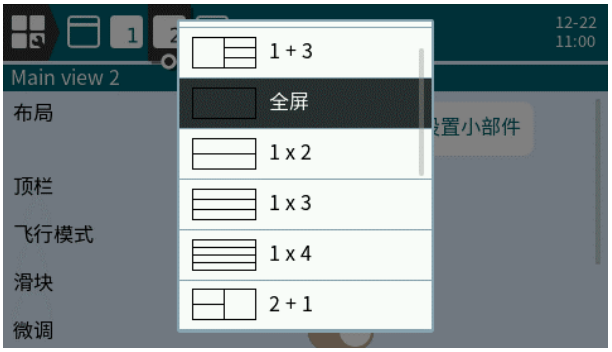


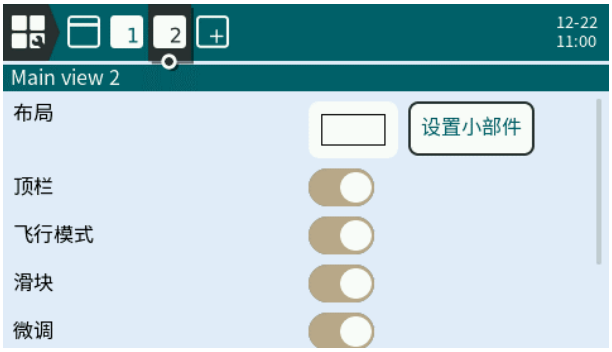
Continue to scroll the shuttle wheel to find the RPM telemetry item. Note that the ID number is 500-0, which is the main rotor speed. Change it to RPM1, as shown below:

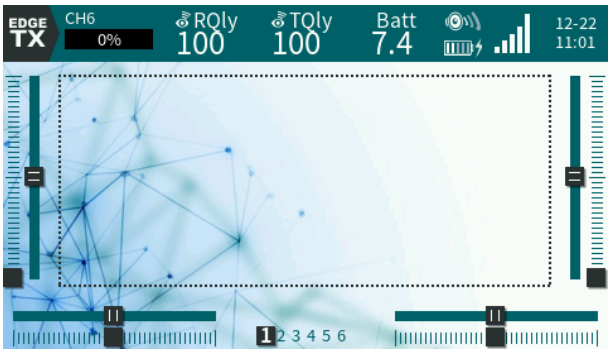


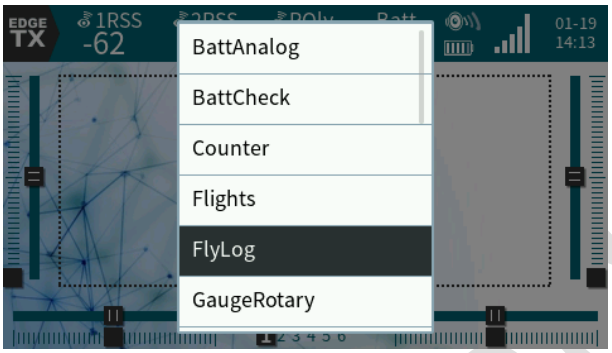
■ **Add script**: Click on the remote controlTELEPress the button and follow the steps below to set:

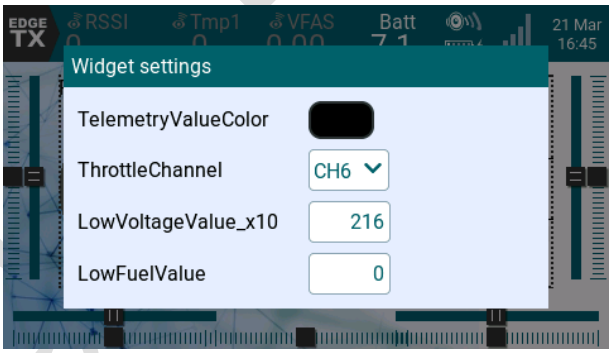








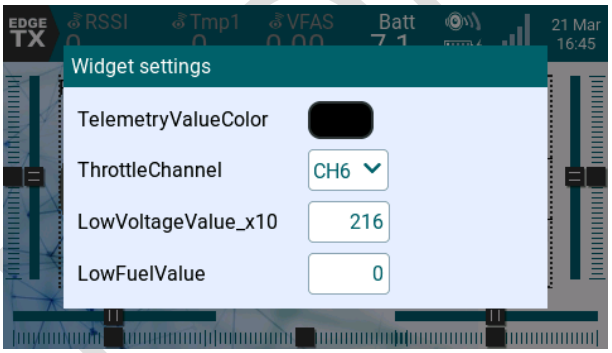




Note: If it is added for the first time and it does not run normally or does not display data, just restart the remote control once. At this point,

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.



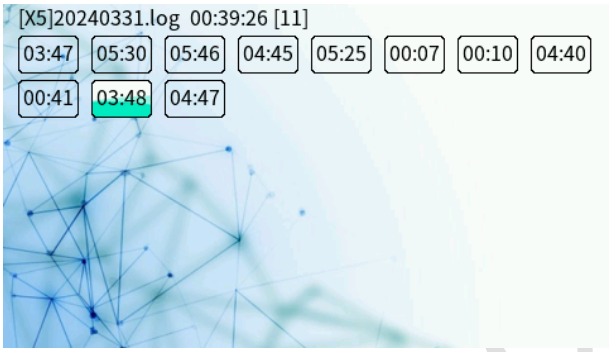
TelemetryValueColor: Set the font color

ThrottleChannel: Throttle channel

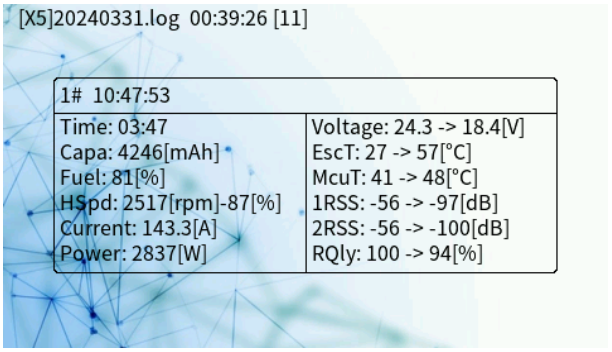
LowVoltageValue_x10: Power battery low voltage alarm threshold (a value of 0 means the alarm is turned off) , expanded 10 times. For example, setting 216 means the voltage value is 21.6V.

LowFuelValue: battery capacity percentage alarm threshold (a value of 0 means the alarm is turned off)

■ **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

12:50:29: 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 of this flight (excluding super speed) -> the highest throttle value

Current: the maximum current value of this flight

Power: Maximum power value for this flight

Voltage: Maximum and minimum voltage of this flight

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

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

RSSI: The maximum and minimum signal strength received by the receiver in this flight TRSS:

The maximum and minimum signal strength returned by the receiver in this flight TQly: The

maximum and minimum downlink quality in 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.