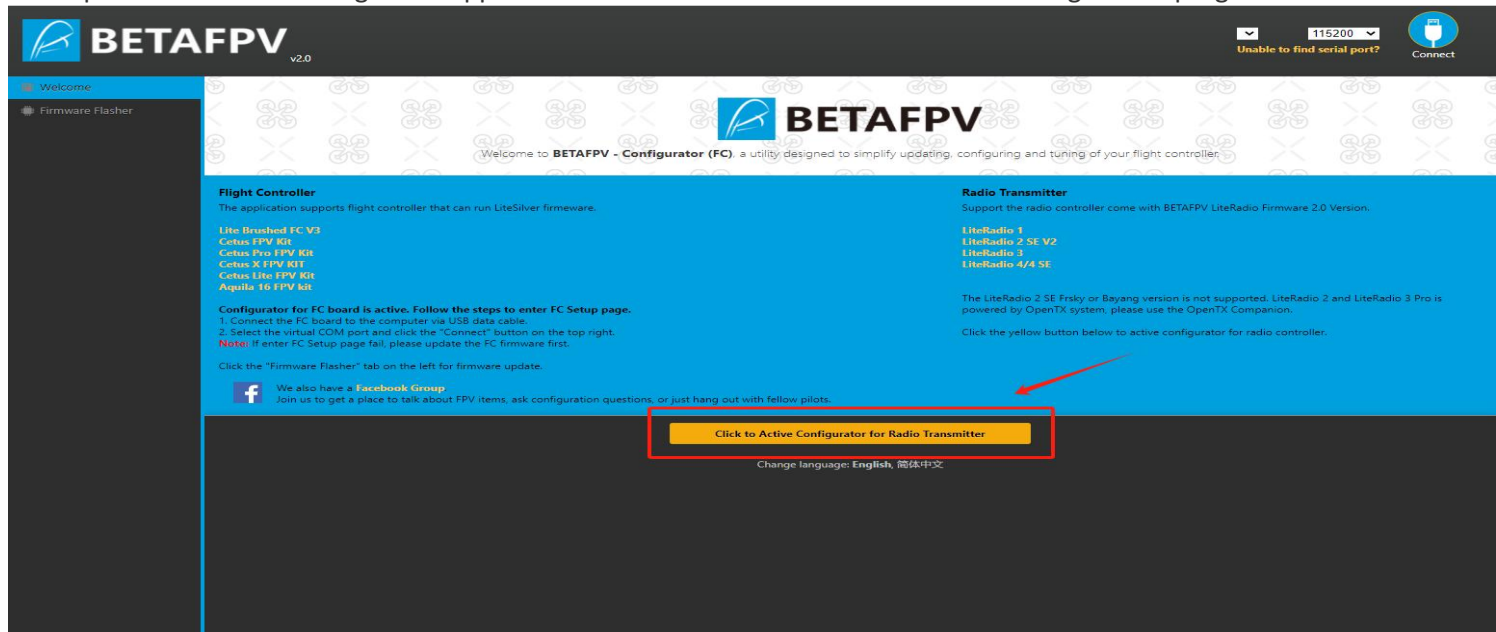


BETA FPV Configurator is a ground station application independently developed by BETA FPV. It can configure specifications or upgrade firmware for LiteRadio series radio transmitter. It is compatible with computers running Windows, Linux and macOS.  
Download: <https://github.com/BETA FPV/BETA FPV Configurator/releases>

### Connecting BETA FPV Configurator

- Turn off the radio transmitter.
- Connect the radio transmitter and computer by the USB cable.
- Open the BETA FPV Configurator application and switch to the radio transmitter configuration program.



- Click the "Connect RC" button in the top-right corner of the interface to enter the remote control configuration interface.



- After modifying the configuration, click the "Save and reboot" button in the bottom-right corner of the interface to complete the configuration.

**Radio Setup**

Unit type: LiteRadio 4/4 SE SX1280 Internal Radio module: SX1280 Hardware version: 1.0.0 Firmware version(Firmware release date): 2025.1.13

Mode 2 Switch throttle stick position: Mode 1 (right stick throttle AKA Japan hand) Mode 2 (left stick throttle AKA American hand)

OFF Trainer Port

**RF Module Setup**

Internal RF module and external RF module could NOT open at the same time.

ON Internal RF module

ELRS3 2.4G Internal RF system radio link protocol

OFF External RF module

CRSF External RF module serial port protocol

**ExpressLRS Protocol Setup**

Configurator could detect the ExpressLRS system automatically. Please make sure the ExpressLRS system exist and setup correctly in the left "RF Module Setup" tab. Do NOT forget to "Save and reboot".

External ELRS is tuning Radio frequency: 2.4GHz

100mw Power

250Hz Pkt Rate

1.8 TLM Radio

**MIXS**

Channel	Input	Scale	Offset	Reverse
CH1	Roll(A)	100	0	<input type="checkbox"/>
CH2	Pitch(E)	100	0	<input type="checkbox"/>
CH3	Throttle(T)	100	0	<input type="checkbox"/>
CH4	Yaw(R)	100	0	<input type="checkbox"/>
CH5	SA	100	0	<input type="checkbox"/>
CH6	SB	100	0	<input type="checkbox"/>
CH7	SC	100	0	<input type="checkbox"/>

Refresh Save and reboot

Note: In the power-on state, there is no signal output from the USB of the radio transmitter, so you can't use BETA FPV Configurator. Please do remember turn off the radio transmitter.

## Configuration Parameter

### Basic Configuration

- Radio Transmitter Mode: Mode1(throttle is in the right hand i.e. ) /Mode2(throttle is in the left hand i.e. )

### ExpressLRS System Configuration

- Transmit Power: 25mW/50mW/100mW
- Packet Rate: 500Hz/250Hz/150Hz/50Hz
- Telemetry Rate: OFF/1:128/1:64/1:32/1:16/1:8/1:4/1:2

### Channel Configuration

- Input
- Ratio
- Offset compensation
- Reverse

### Other Settings

- Buzzer Tone Switch: ON/OFF
- Joystick Center Dead Zone: 0%-10% (Joystick center dead zone does not act on the throttle channel)

Note:

- After modifying the configuration, click the "Save and reboot" button in the bottom-right corner of the interface to complete the configuration.
- Since the LiteRadio 4 remote control has a built-in radio frequency (RF) module and does not support an external RF module, there is no need to set the RF module configuration.

## Firmware Upgrade

The firmware of the LiteRadio 4 consists of two parts: the remote control and ELRS, which need to be flashed in different ways.

Firmware download address: <https://support.betafpv.com/hc/en-us/articles/36869017436953-LiteRadio-4>

### Upgrading the Radio Transmitter Firmware

- Turn off the radio transmitter and disconnect the USB connection.
- Press and hold the power button while holding down the SETUP button, the status indicator will light up in blue light with "beep beep" sound, and enter the radio transmitter firmware flash mode.
- Use the USB cable to connect the radio transmitter and computer.
- Open the BETA FPV Configurator application and switch to the radio transmitter configuration program.

The screenshot shows the BETA FPV Configurator (FC) interface. The top header features the BETA FPV logo, a version number 'v2.0', a dropdown menu set to '115200', and a 'Connect' button. The main content area is split into two columns: 'Flight Controller' and 'Radio Transmitter'. The 'Radio Transmitter' section lists supported models: LiteRadio 1, LiteRadio 2 SE V2, LiteRadio 3, and LiteRadio 4/4 SE. A yellow button labeled 'Click to Active Configurator for Radio Transmitter' is highlighted with a red box and a red arrow. Below the button, there is a language selection option: 'Change language: English, 简体中文'. A sidebar on the left contains a 'Firmware Flasher' button.

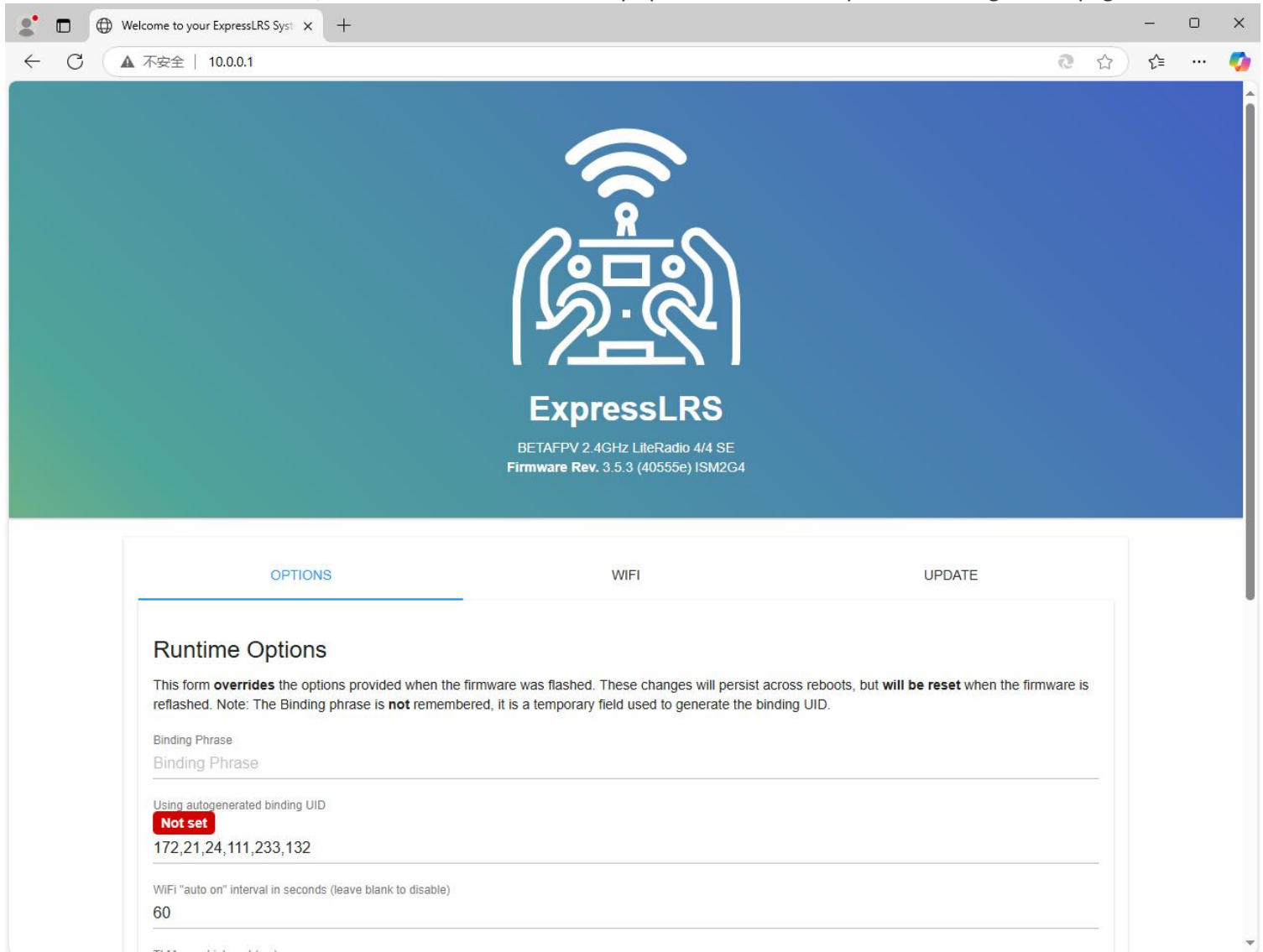
- Click the "Firmware Flasher" button on the upper left of the interface to enter the firmware flash interface.

- Follow the “Steps of How to flasher” at the bottom of the firmware programming interface to complete the programming.

- Press and quickly release the power button to exit the flashing mode and turn off.

## Flashing the ELRS firmware

- While holding down the BIND key, quickly press and then long-press the power button to turn on.
- Press the BIND key briefly again. The status light will change from purple to green, indicating that the remote control has entered Wi-Fi mode.
- Connect the remote control to the computer via the Wi-Fi network named "ExpressLRS TX". The default password is "expresslrs".
- After a successful connection, the browser will automatically open and load the ExpressLRS configuration page.



Welcome to your ExpressLRS System

10.0.0.1

# ExpressLRS

BETA FPV 2.4GHz LiteRadio 4/4 SE  
Firmware Rev. 3.5.3 (40555e) ISM2G4

OPTIONS    WIFI    UPDATE

## Runtime Options

This form **overrides** the options provided when the firmware was flashed. These changes will persist across reboots, but **will be reset** when the firmware is reflashed. Note: The Binding phrase is **not** remembered, it is a temporary field used to generate the binding UID.

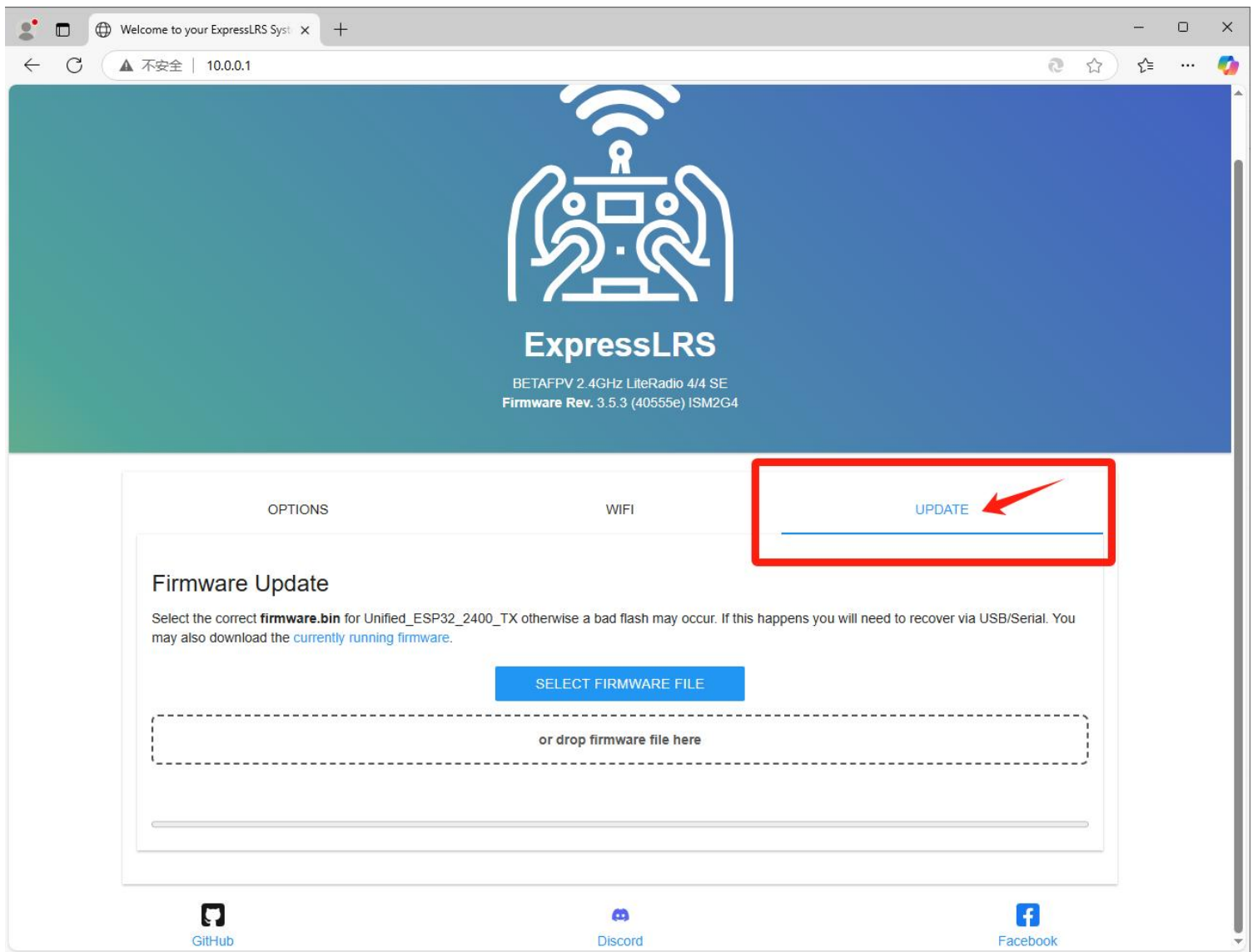
Binding Phrase  
Binding Phrase

Using autogenerated binding UID  
**Not set**  
172,21,24,111,233,132

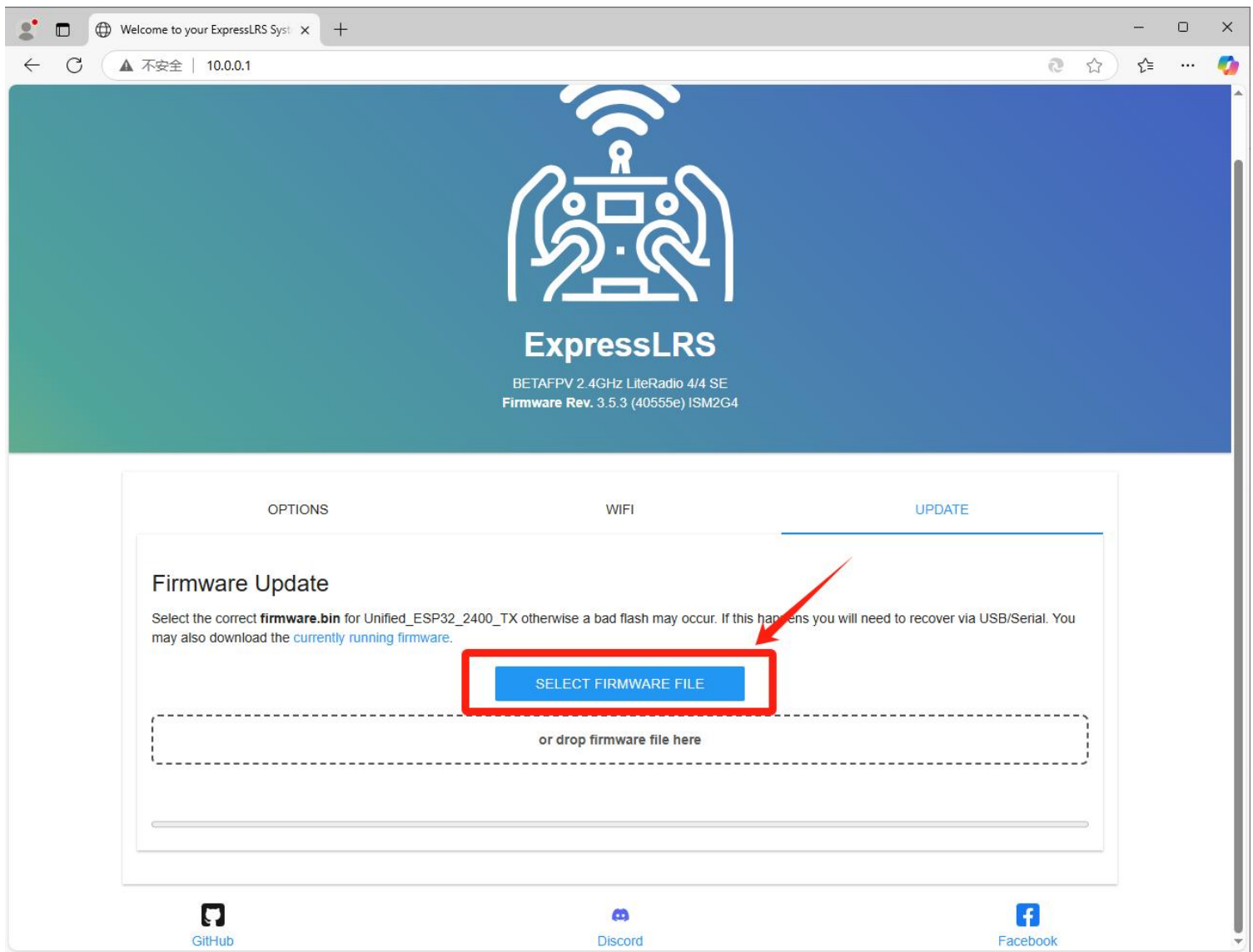
WiFi "auto on" interval in seconds (leave blank to disable)  
60

TI-M report interval (ms)

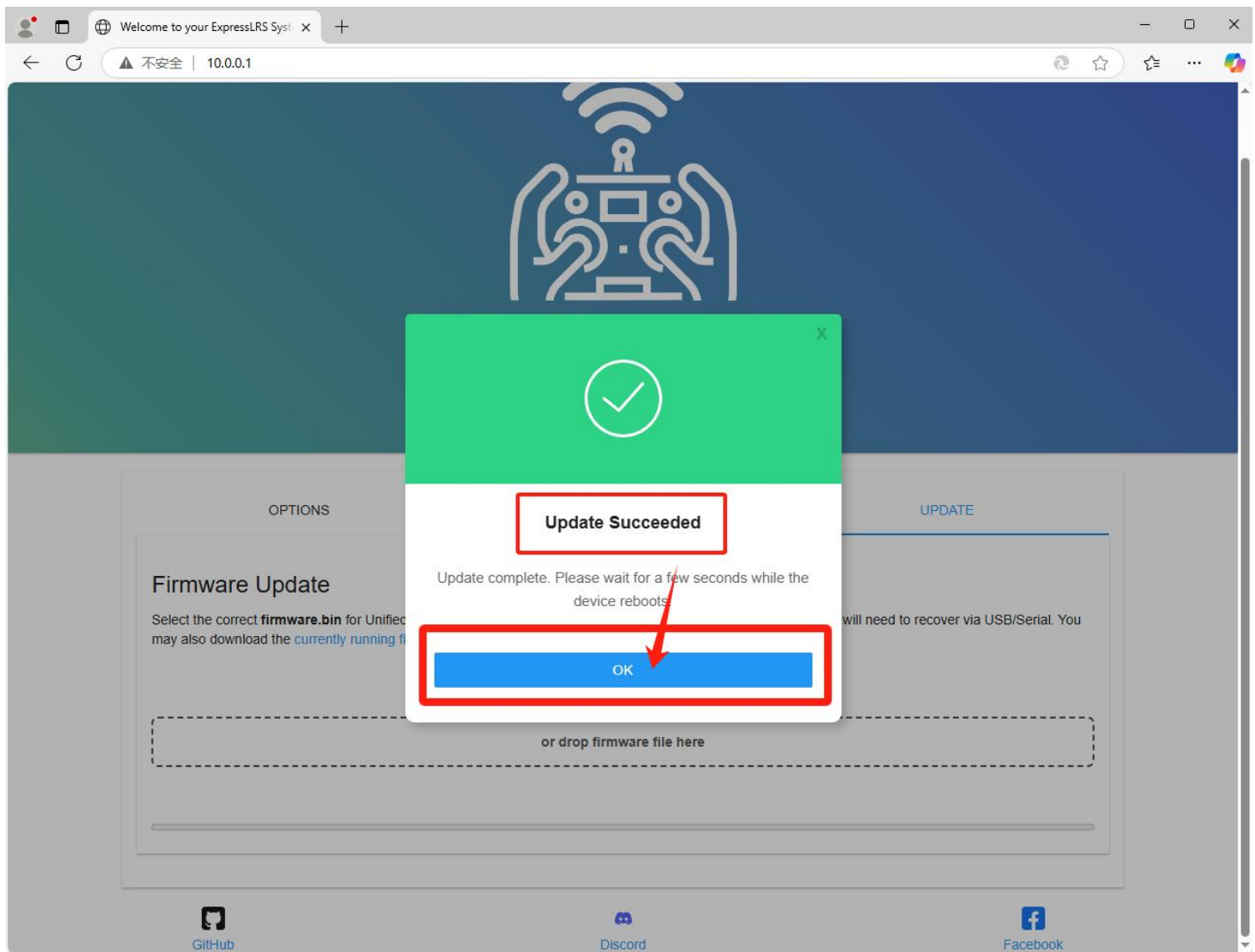
- Navigate to the UPDATE tab.



- Click the "SELECT FIRMWARE FILE" button, select the local firmware, and then start the flashing process.



- When you see the prompt "Update Succeeded", it means the firmware has been flashed successfully.



- Press the power button briefly to exit the flashing mode and turn off.

### Precautions for Firmware Flashing

- Please select the correct firmware version.
- Please ensure that the remote control has sufficient battery power.
- Do not disconnect the connection between the remote control and the computer during the flashing process.