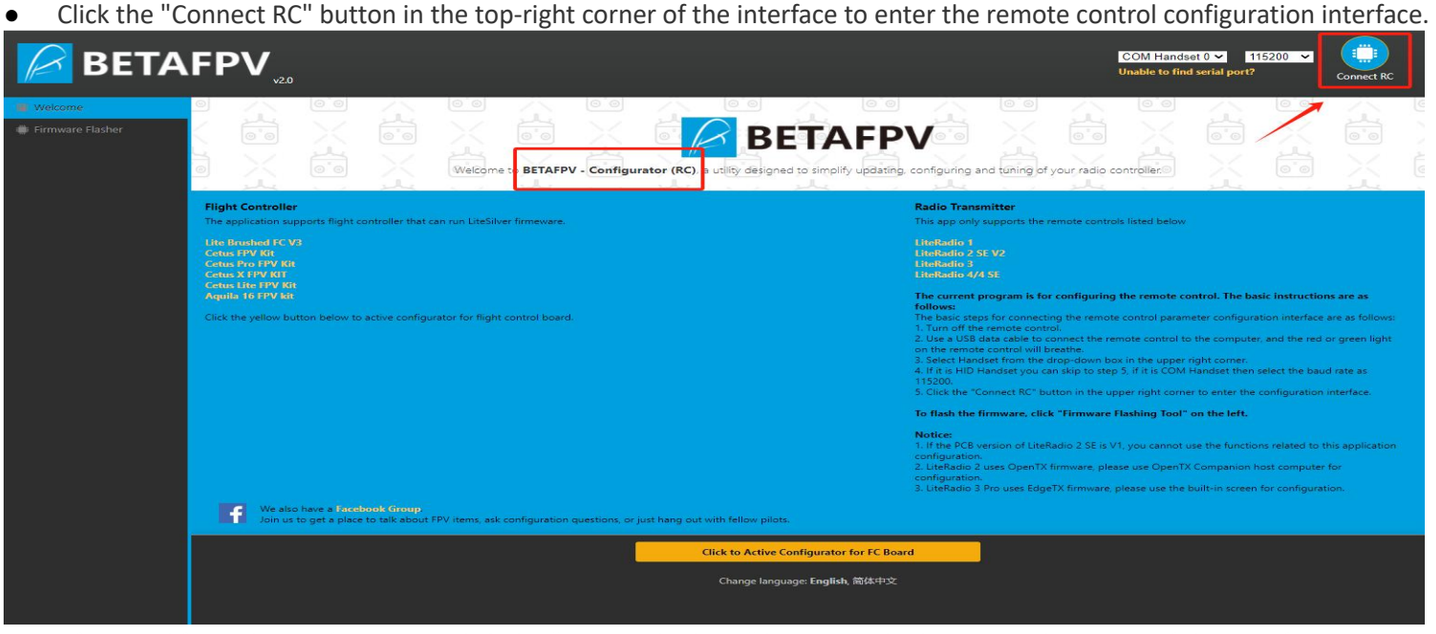
BETAFPV Configurator is a ground station application independently developed by BETAFPV. It can configure specifications or upgrade firmware for LiteRadio series radio transmitter. It is compatible with computers running Windows, Linux and macOS.
Download: https://github.com/BETAFPV/BETAFPV_Configurator/releases

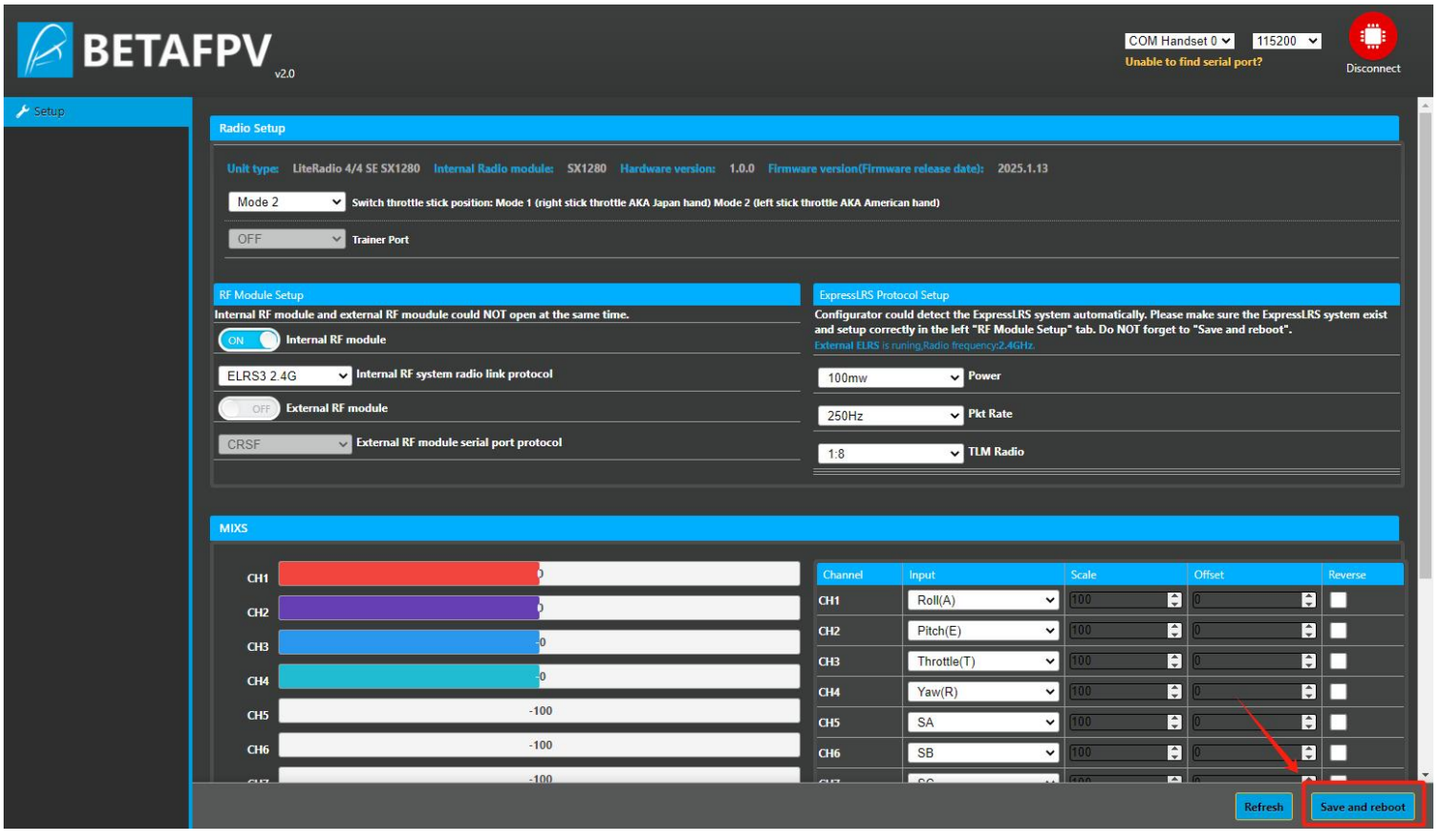
Connecting BETAFPV Configurator

- Turn off the radio transmitter.
- Connect the radio transmitter and computer by the USB cable.
- Open the BETAFPV 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.



Note: In the power-on state, there is no signal output from the USB of the radio transmitter, so you can't use BETAFPV 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.*

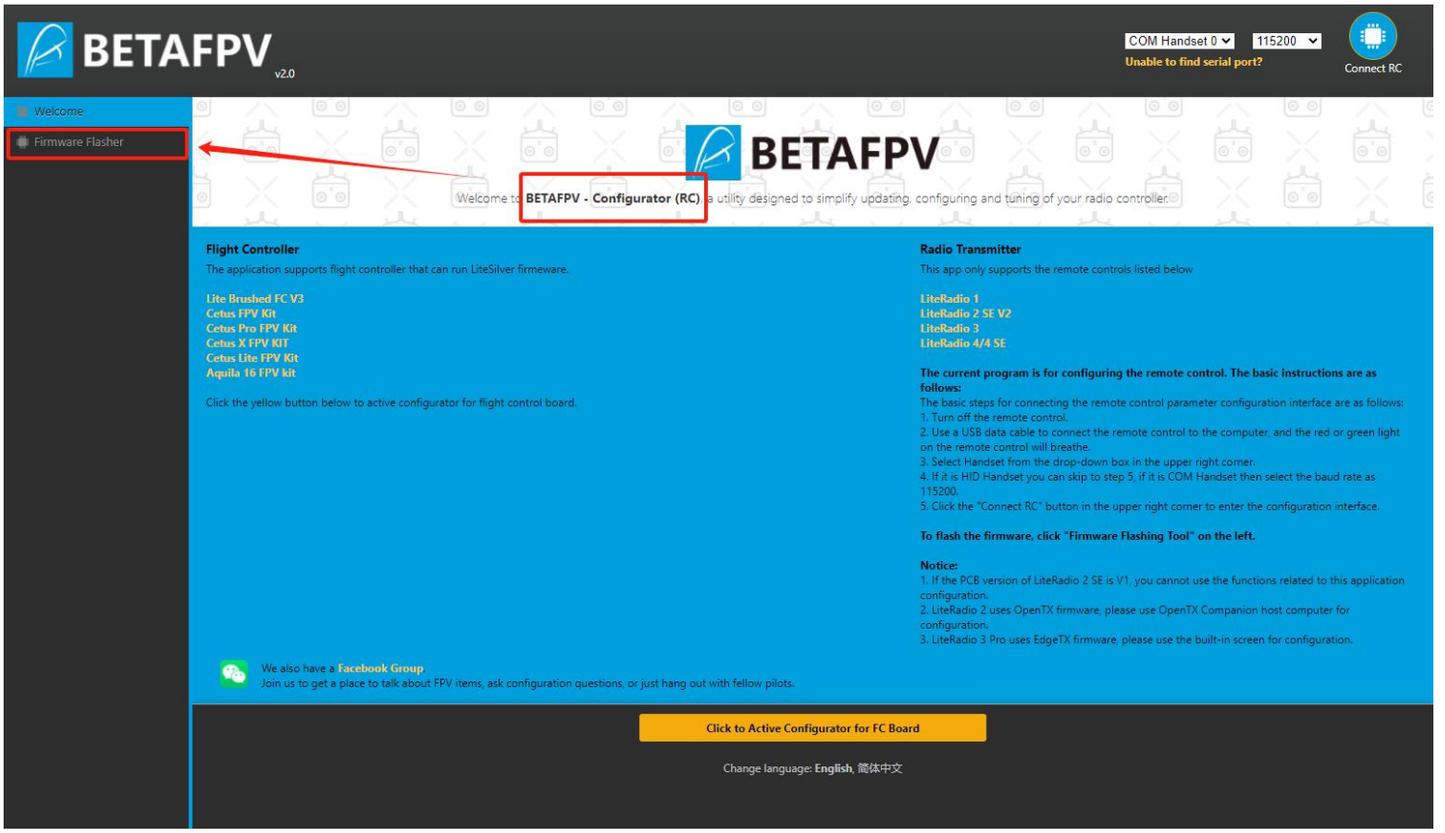
Firmware Upgrade

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

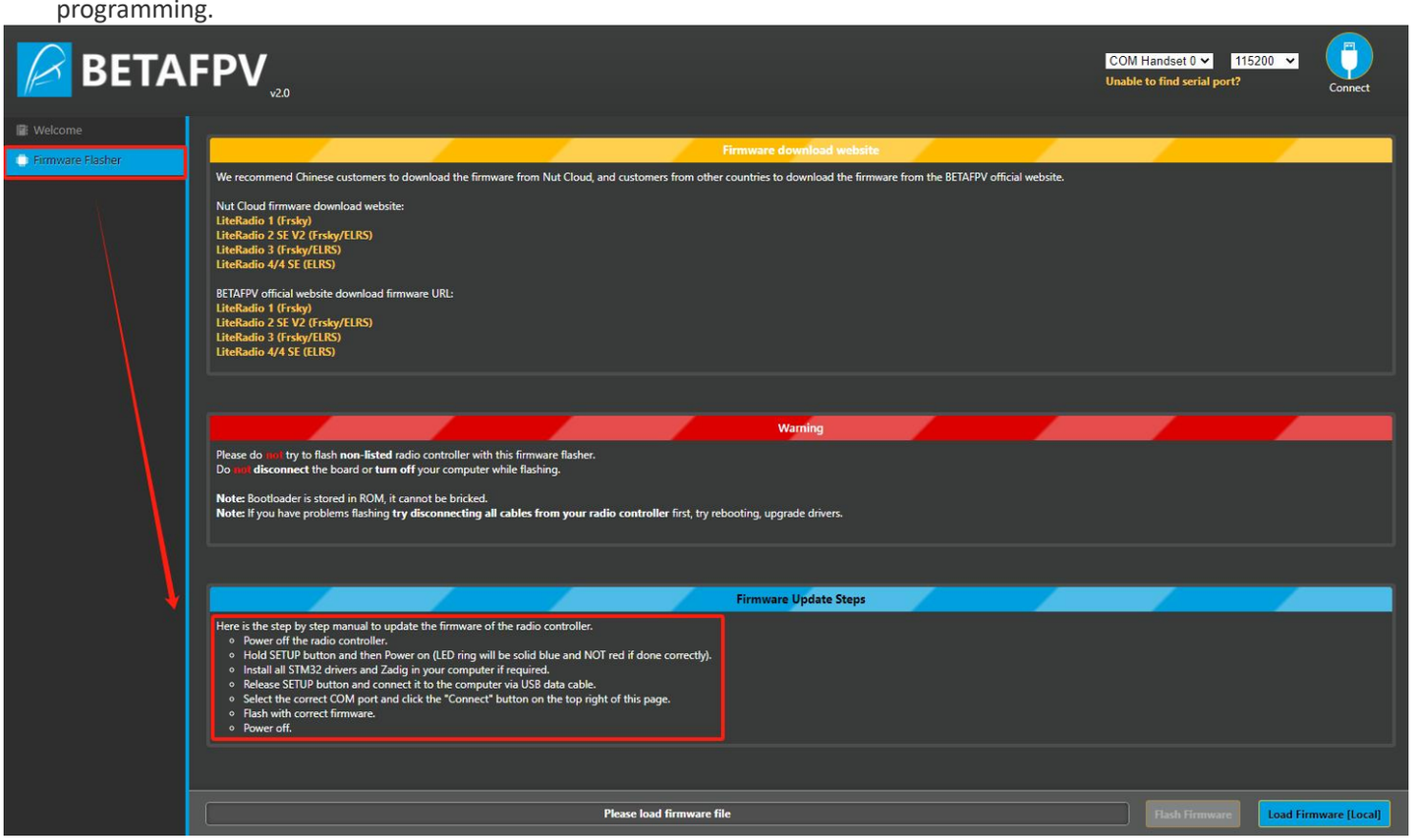
Upgrading the Radio Transmitter Firmware

- 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 BETAFPV Configurator application and switch to the radio transmitter configuration program.

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



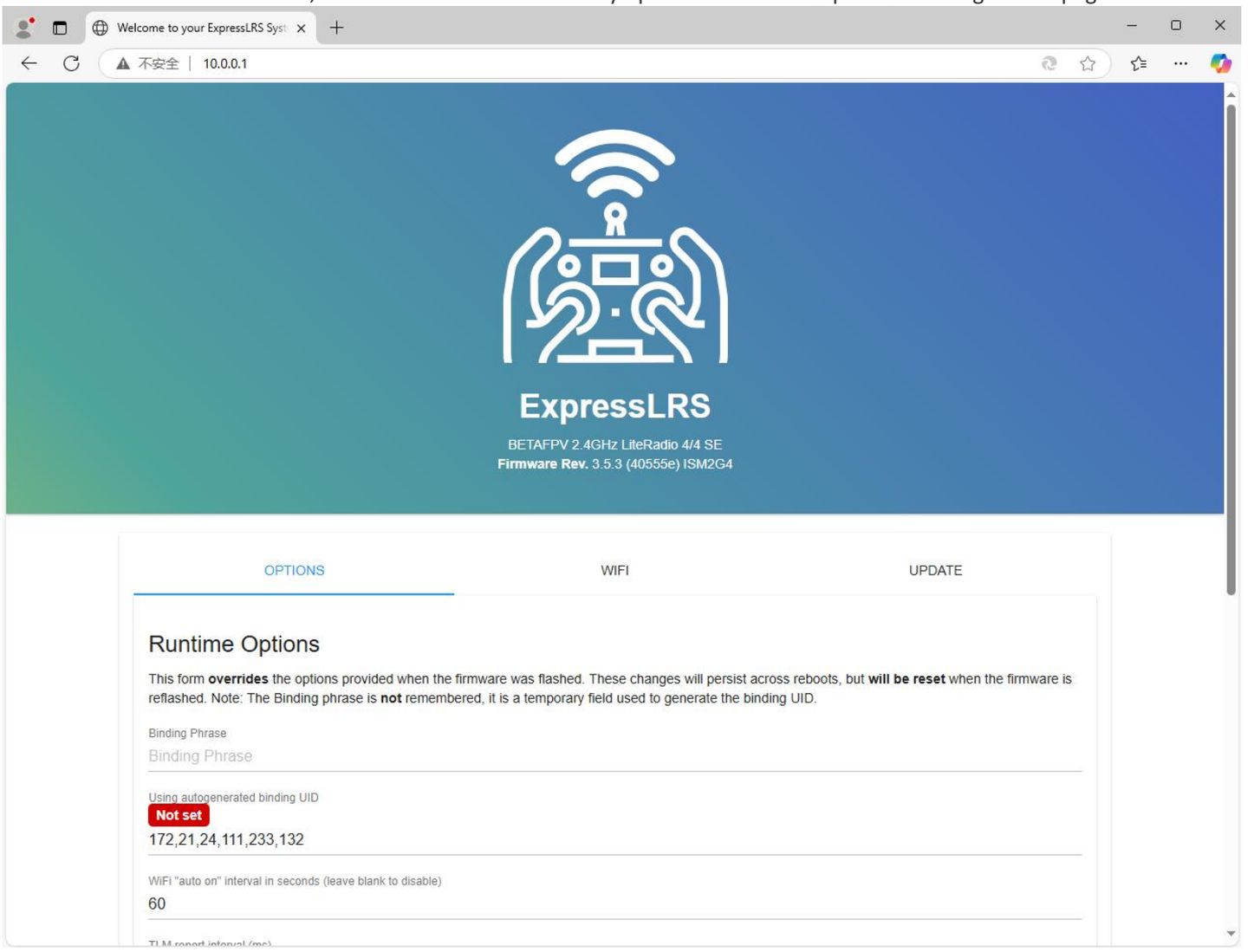
- Follow the “Steps of How to flasher” at the bottom of the firmware programming interface to complete the programming.



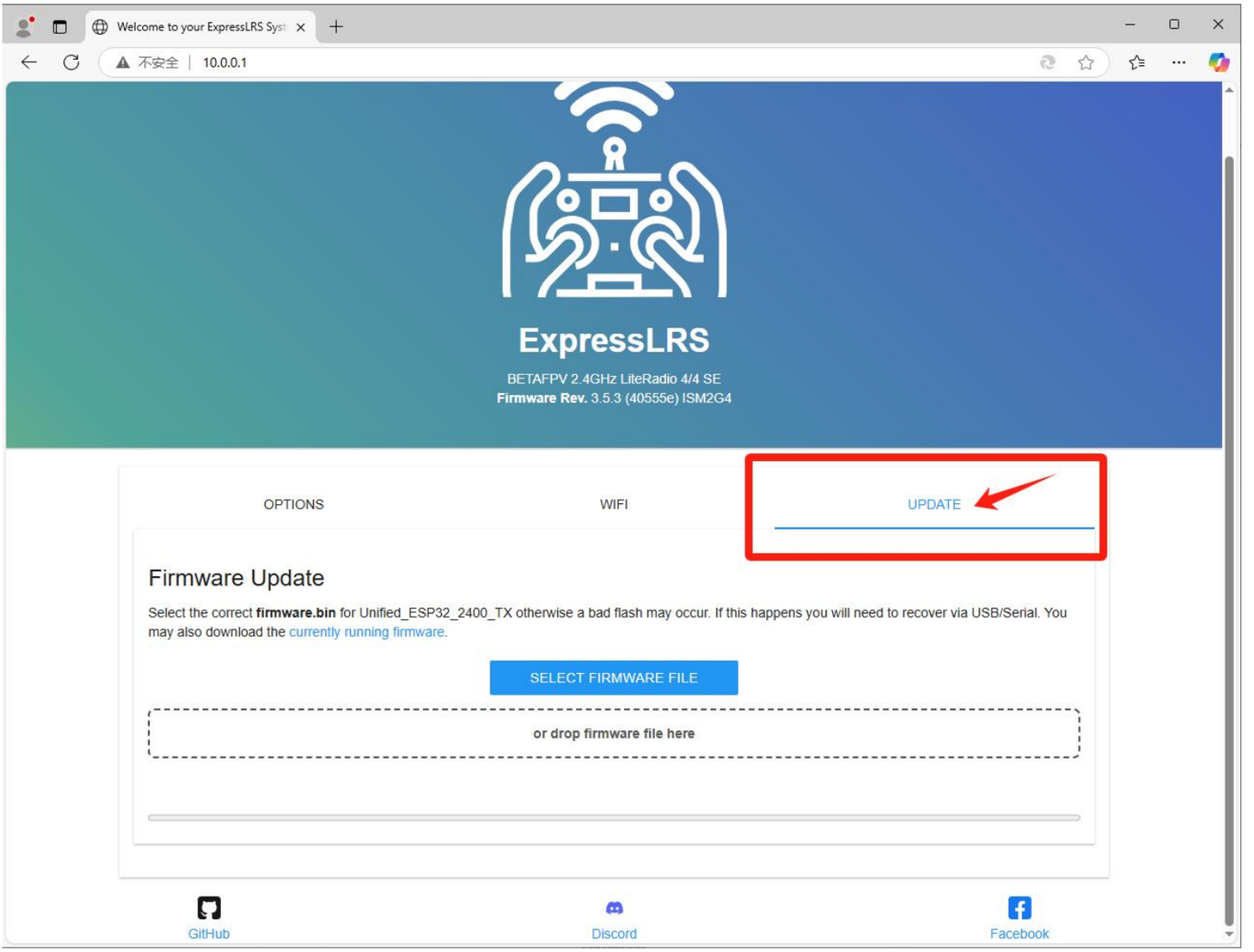
- Press and quickly release the power button to exit the flashing mode and turn off.

Flashing the ELRS firmware

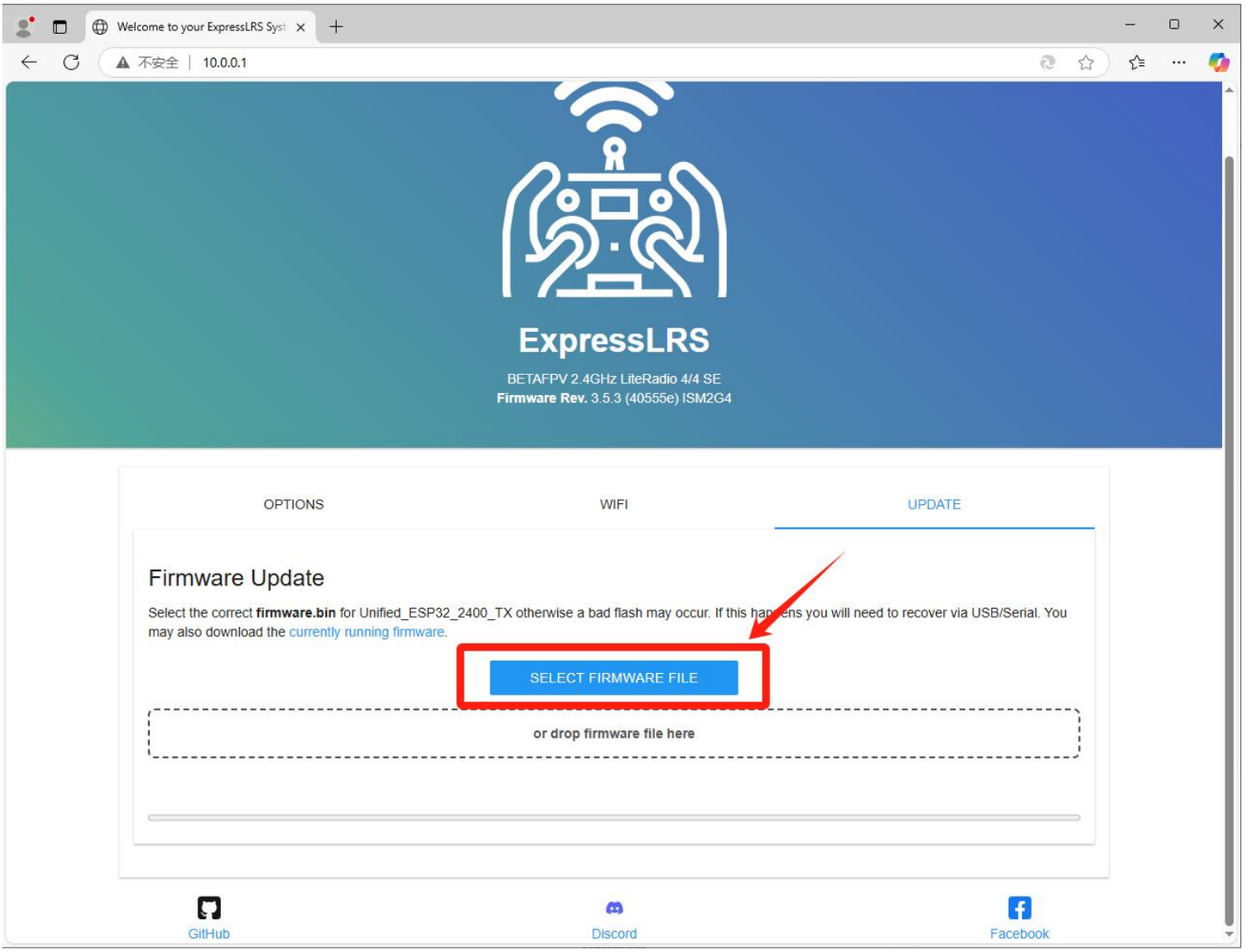
● While holding down the BIND key, quickly press and then long-press the power button to turn on.
● Press the BIND key briefly again. The status light will change from purple to green, indicating that the remote control has entered Wi-Fi mode.
● Connect the remote control to the computer via the Wi-Fi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



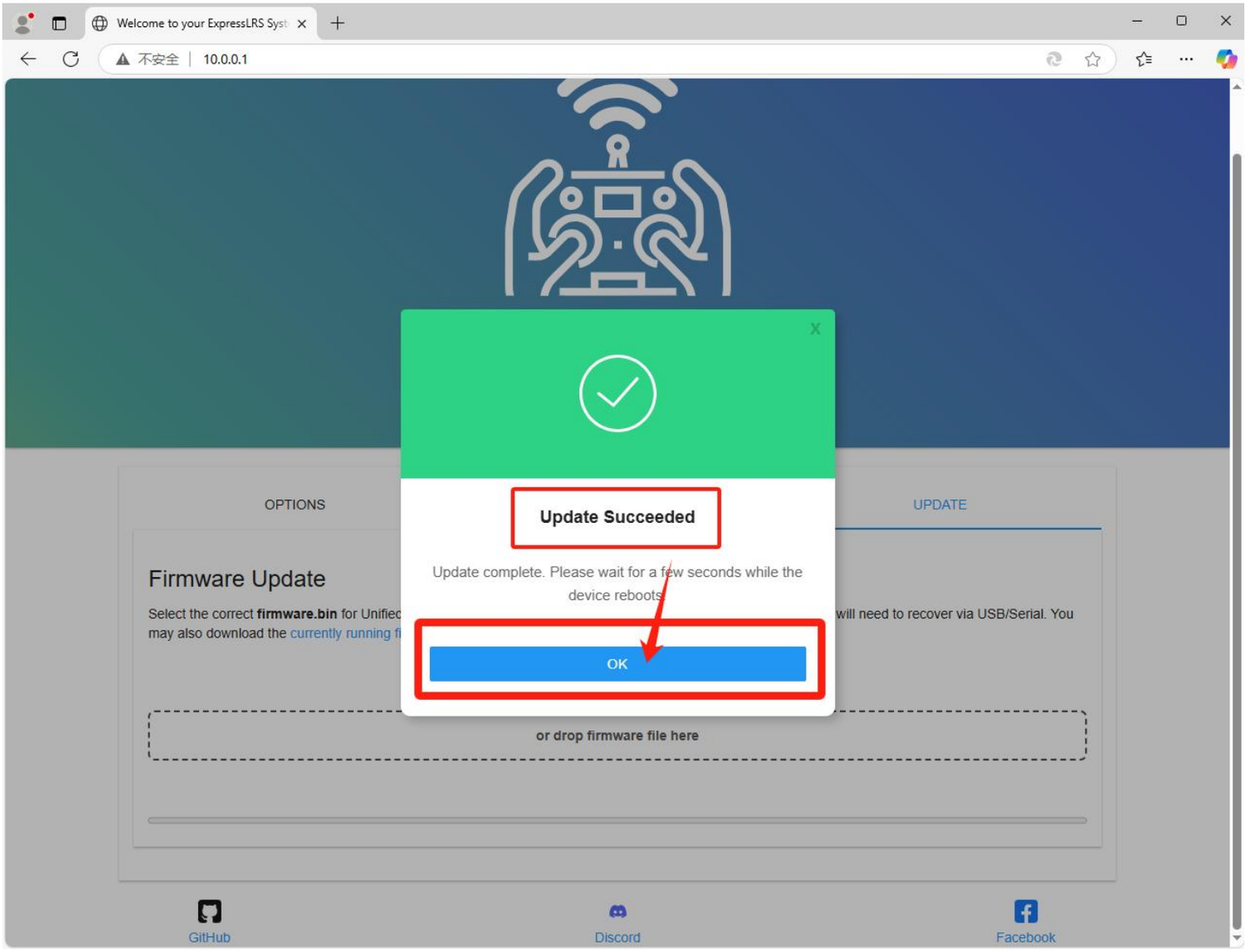
● Navigate to the UPDATE tab.



● 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.