

# StampFly & Atom Joystick Firmware Flashing and Usage Guide

### Note

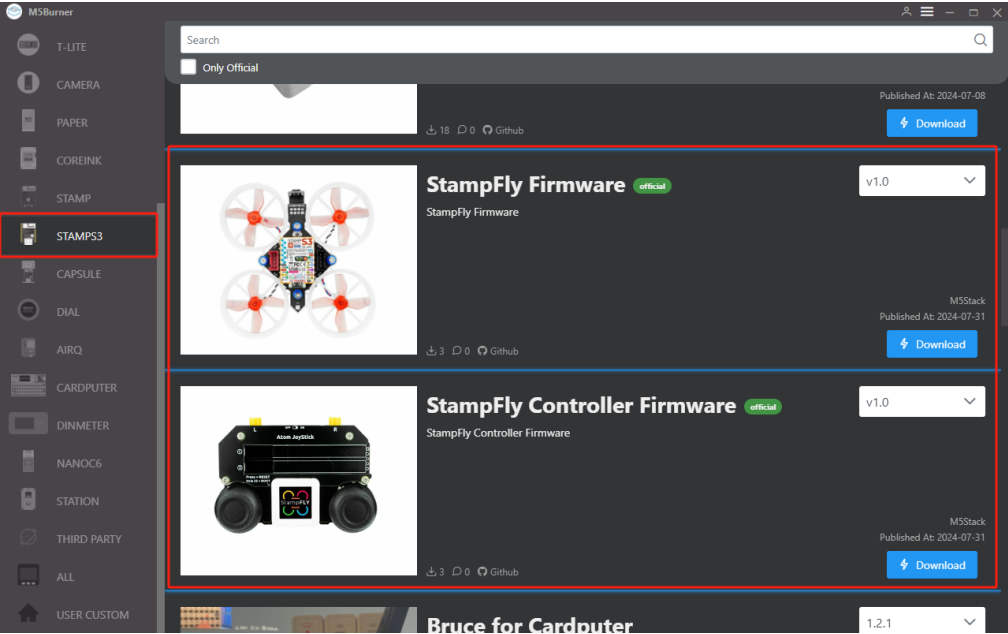
StampFly & Atom Joystick is an open-source quadcopter kit from M5Stack. This tutorial will demonstrate how to flash the firmware, pair the devices, and perform basic flight operations.

## 1. Flashing Tools

Please click the appropriate button below to download the M5Burner firmware flashing tool for your operating system. Extract and open the application.

| Software Version | Download Link            |
|------------------|--------------------------|
| M5Burner_Windows | <a href="#">Download</a> |
| M5Burner_MacOS   | <a href="#">Download</a> |
| M5Burner_Linux   | <a href="#">Download</a> |

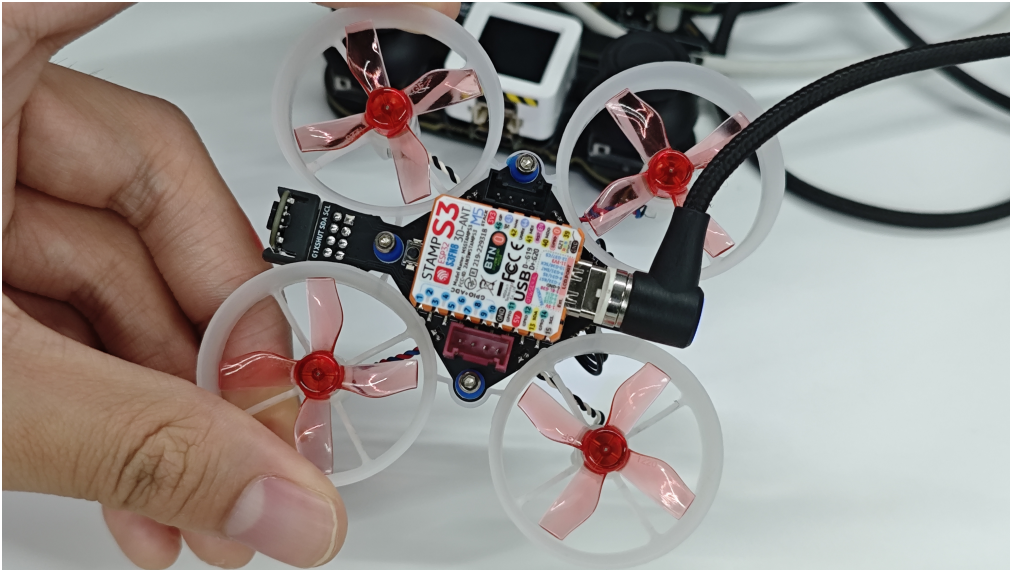
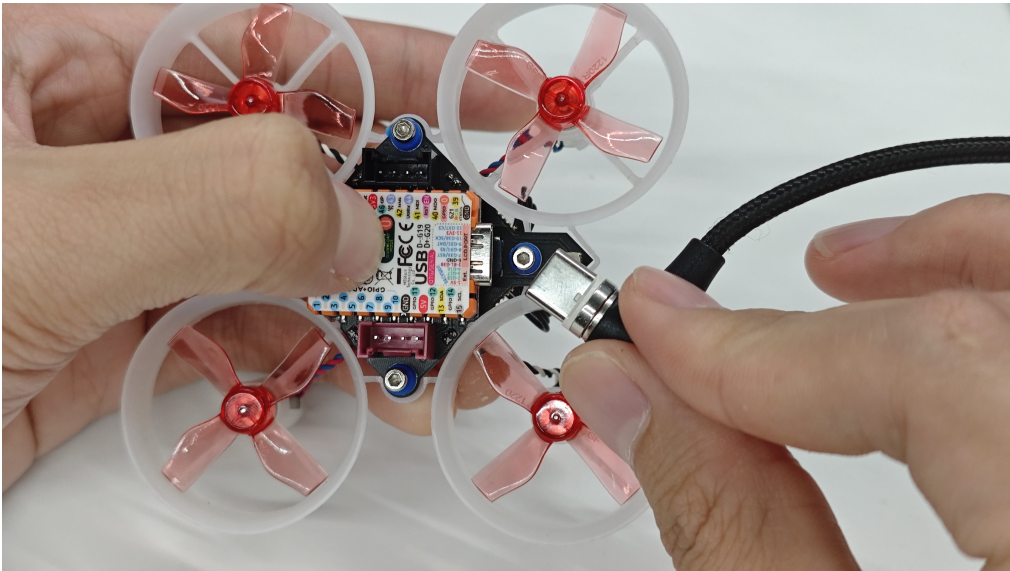
Double-click to open the Burner flashing tool, select the device type **STAMPS3** from the left menu, and download the **StampFly Firmware** and **StampFly Controller Firmware**.



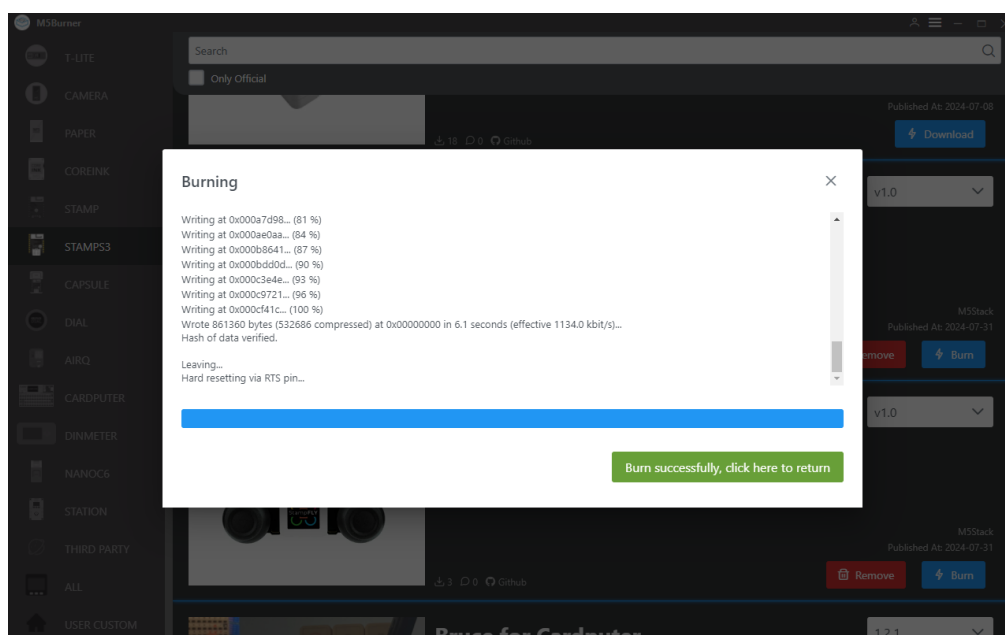
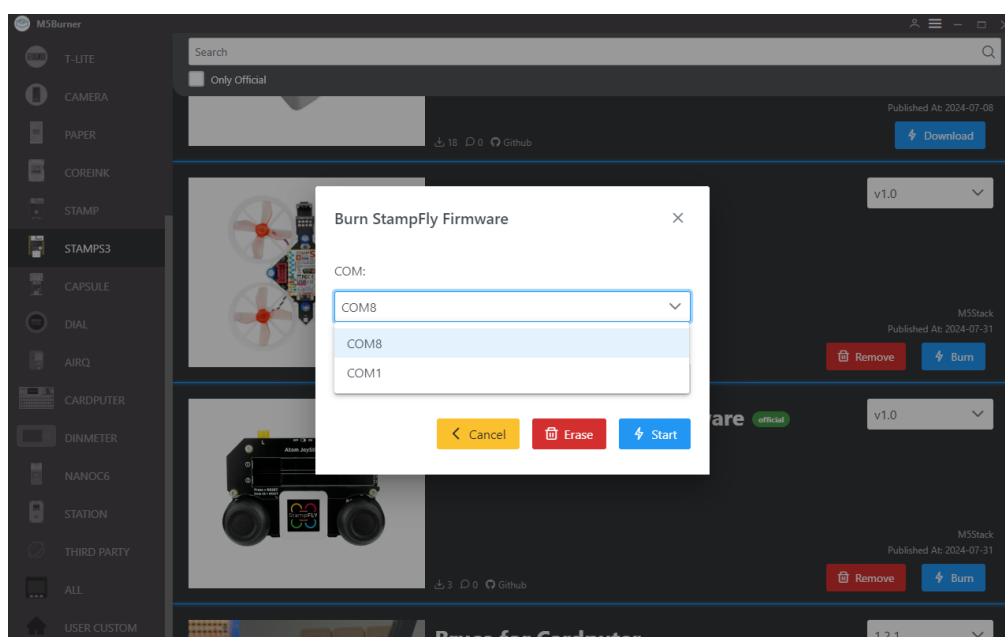
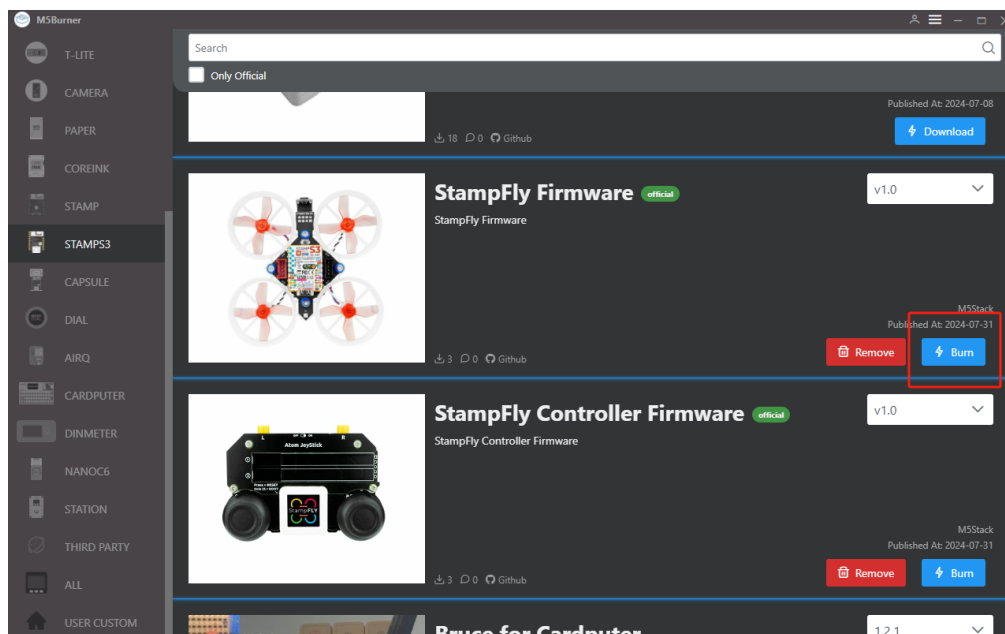
## 2. Firmware Flashing

### Flashing StampFly Firmware

While the device is powered off, press and hold the center button of the StampS3, then connect the USB cable to enter download mode. The device port will be successfully recognized.



Click **Burn**, select the appropriate port, and start flashing.



## | Flashing Atom Joystick Firmware

Connect the AtomS3 via USB, then press and hold the reset button on the side of the device until the green light turns on to enter download mode. The device port will be recognized successfully. Follow the same steps as the StampFly firmware flashing process to flash the StampFly Controller Firmware.



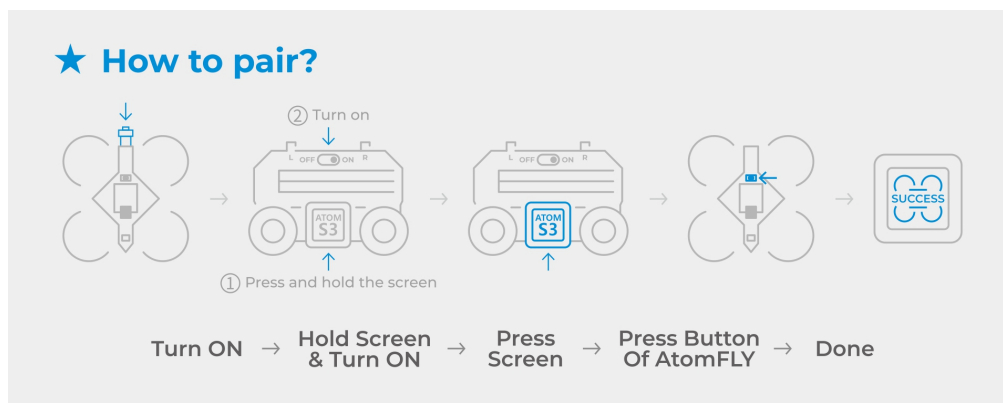
## | 3. Device Pairing

[StampFly](#)、[AtomJoyStick video.mp4](#)

## | 4. Operating Instructions

### | Device Pairing

- 1.Press and hold the center button on the AtomS3 to power on, then follow the screen prompts to enter pairing mode by pressing the button again.
- 2.Press the reset button on the StampFly to send the pairing signal.
- 3.Wait for pairing to complete.



### | Takeoff and Landing

- 1.Press the center button on the AtomS3 to control takeoff or landing.

## Function Modes

### ◦ Left Front Button on Atom Joystick (Control Mode Switch)

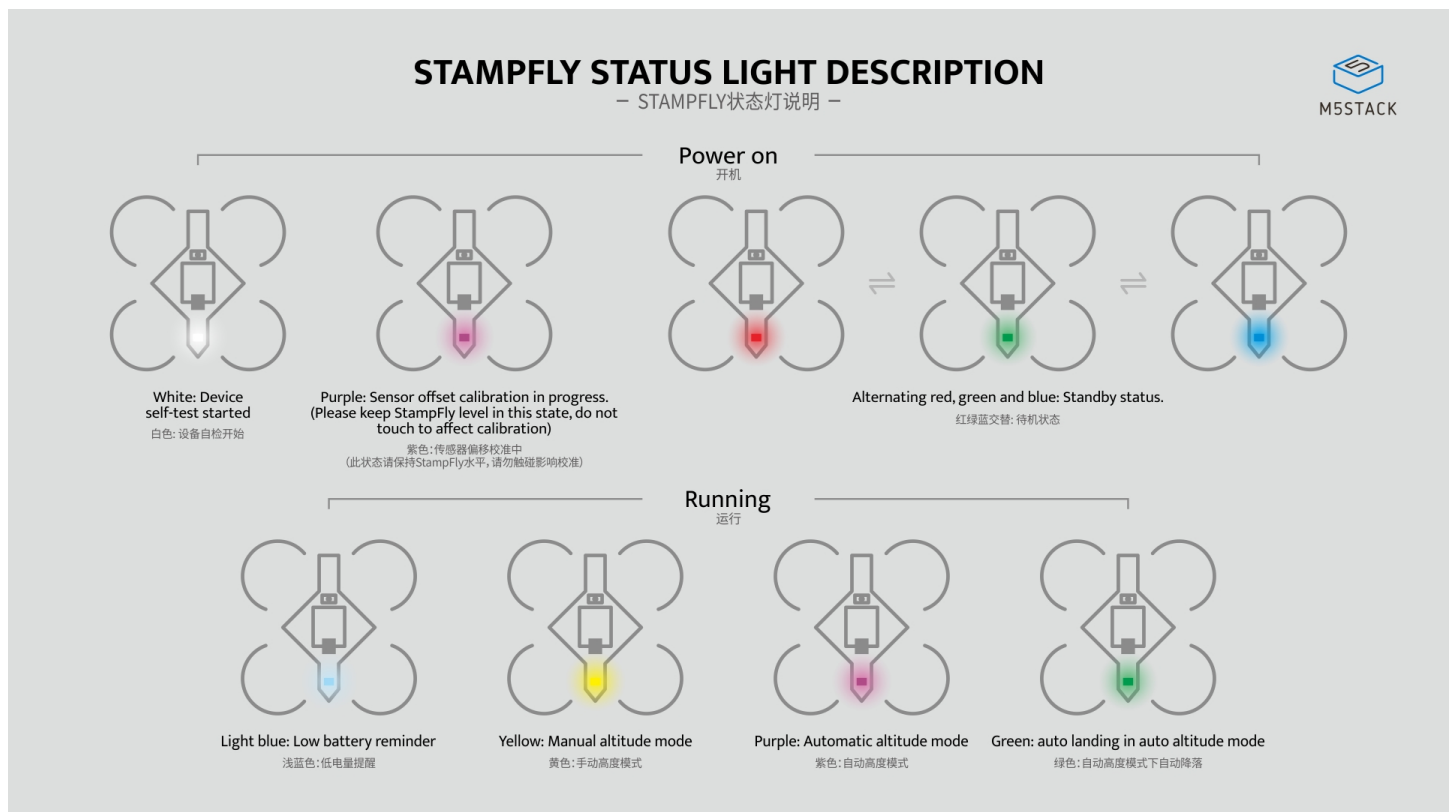
- **Stabilize Mode:** Provides stable control, suitable for regular flight and cruising.
- **Sport Mode:** Offers maximum control freedom, allowing for complex maneuvers but requiring high operational skill.

### ◦ Right Front Button on Atom Joystick (Altitude Mode Switch)

- **Auto Altitude:** Maintains a stable altitude at the set level; pushing the left joystick up or down will change the set altitude.
- **Manual Altitude:** Full throttle control of altitude, requiring higher operational skill.

### ◦ Center Button on Right Joystick (Aerial Flip Action)

## 5. Status Light Indicators



### ◦ 1.Power On

- White: Device self-check initiated.
- Purple: Sensor offset calibration in progress (Keep the StampFly level and avoid touching to prevent calibration interference).
- Red, green, and blue alternating: Standby mode (ready for takeoff).

### ◦ 2.Operation

- Light blue: Low battery warning.
- Yellow: Manual altitude mode.
- Purple: Auto altitude mode.
- Green: Auto descent in auto altitude mode.