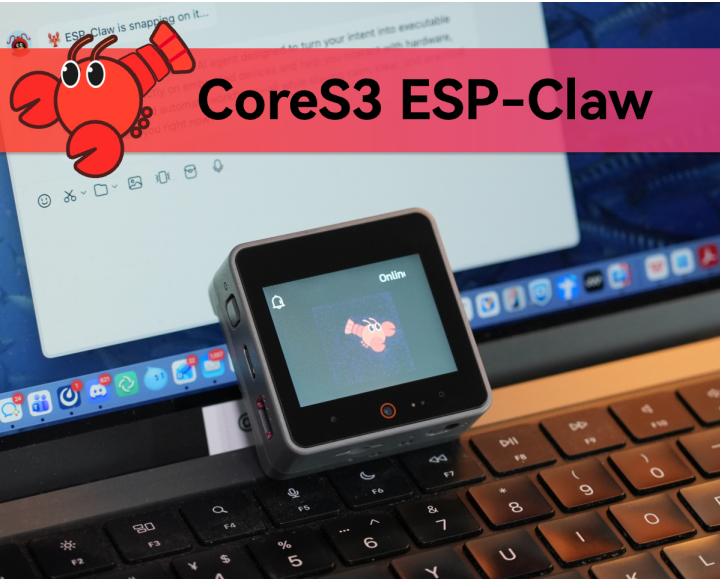


CoreS3 ESP-Claw Firmware Flashing

This tutorial provides a step-by-step guide to flashing the ESP-Claw firmware onto the CoreS3, enabling users to quickly configure their CoreS3 as an intelligent terminal capable of AI interaction, hardware programming, and automation control.



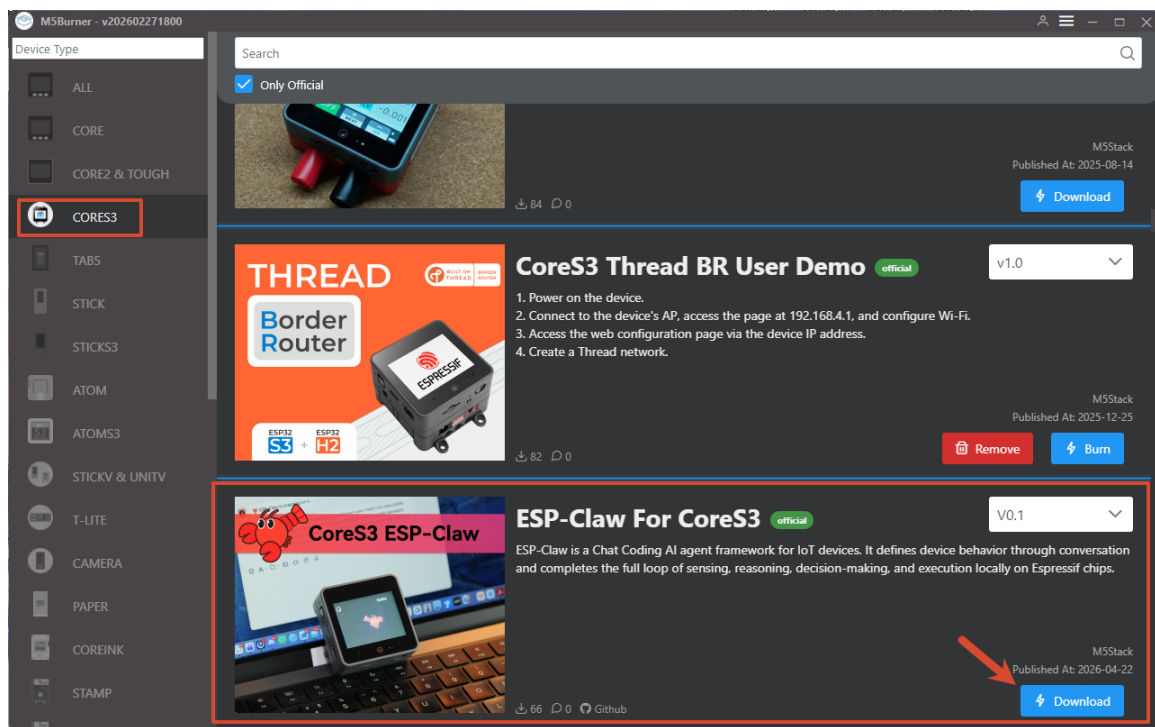
1. Preparation

Download the M5Burner firmware flashing tool for your operating system using the button below, then extract and launch the application.

Software Version	Download
M5Burner_Windows	Download
M5Burner_MacOS	Download
M5Burner_Linux	Download

2. Firmware Flashing

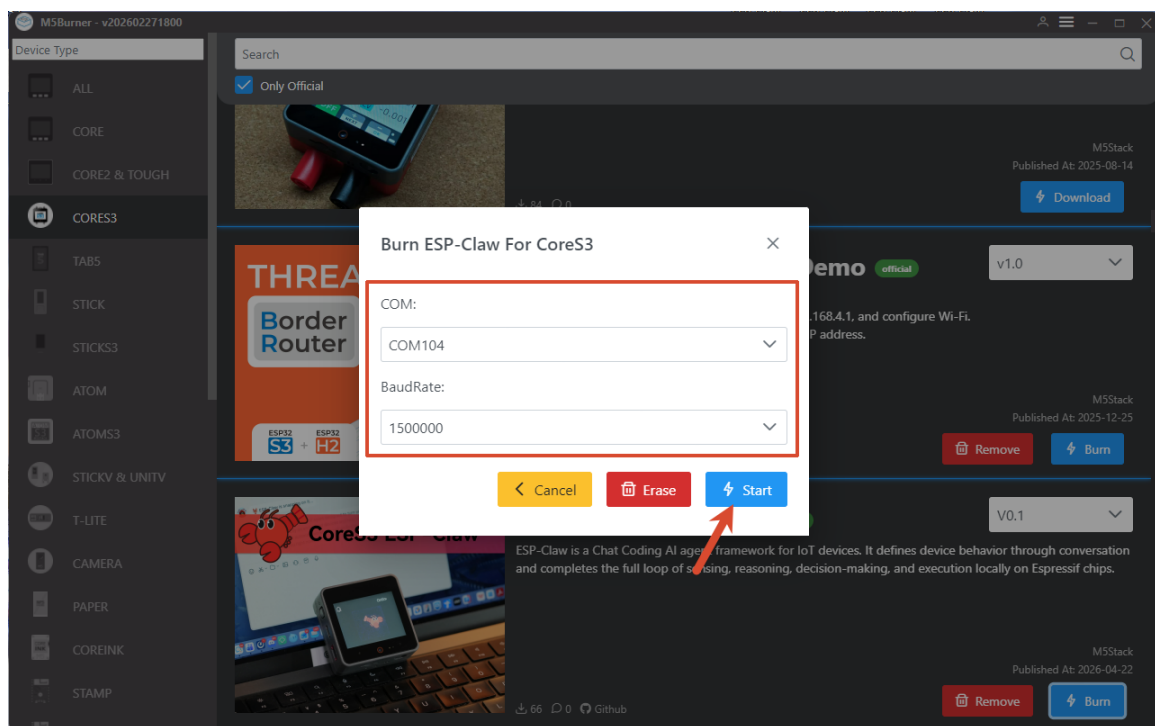
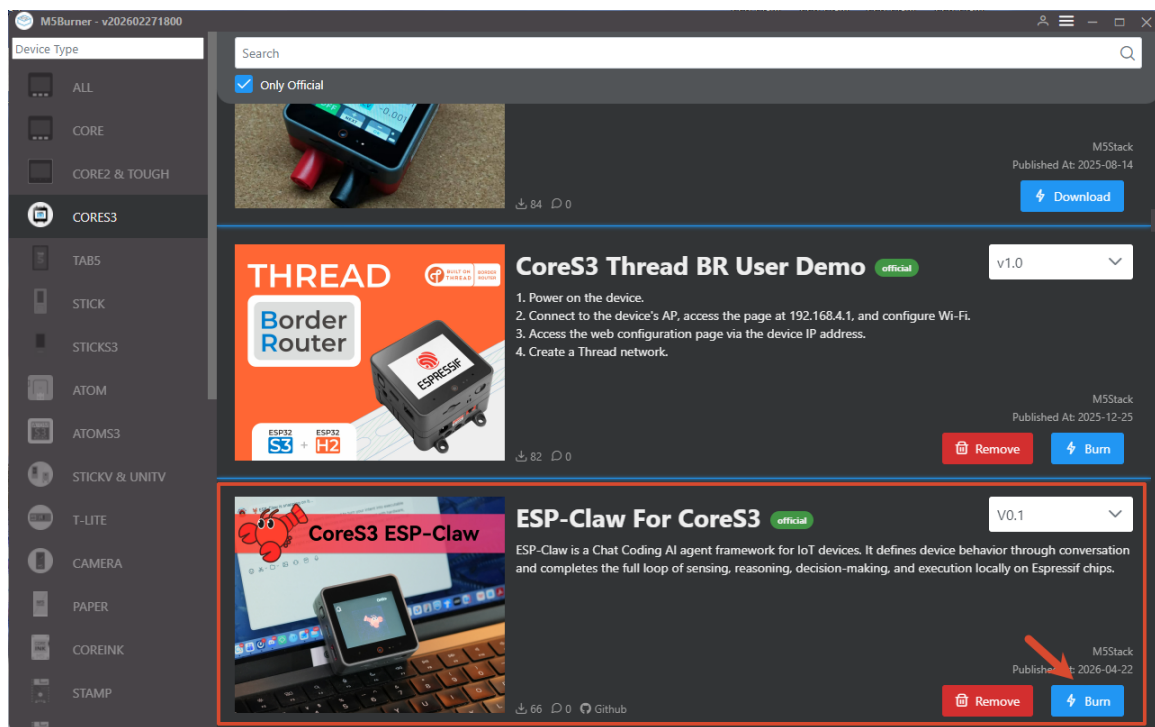
1. Double-click to open the M5Burner tool. Select **CORES3** from the left-side menu, then click **Download** to download the ESP-Claw firmware for CoreS3.



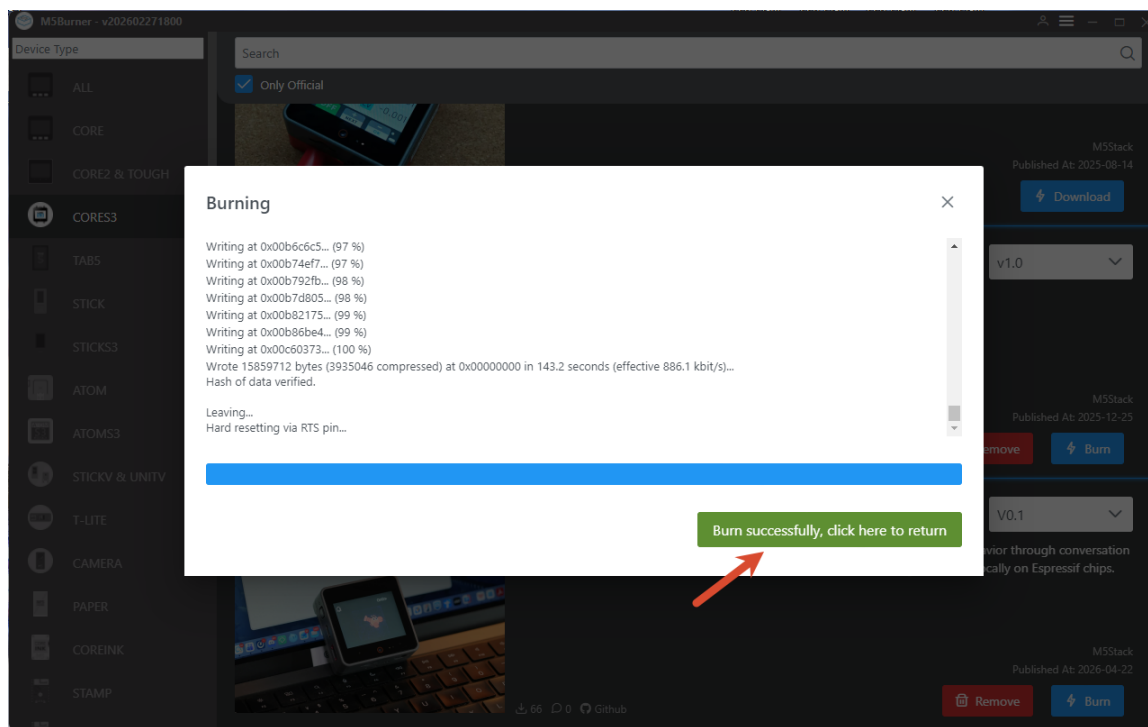
2. Connect the CoreS3 via USB cable and hold down the reset button on the side of the device. When the internal green LED begins to flash, the device has successfully entered download mode and is ready for flashing. The red light turns off after the button is released, confirming that the device is in download mode.



3. Click **Burn**, select the corresponding port for your device, click **Start**, and wait for the flashing process to complete.

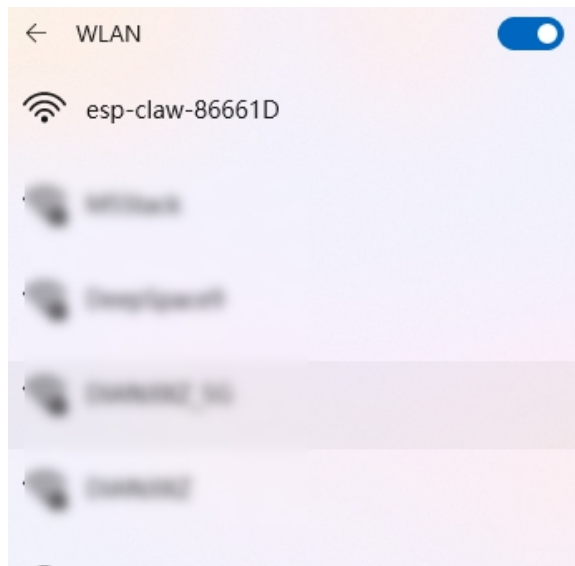


Flashing complete:



3. Device Configuration

1. Reboot the device. After startup, it will prompt you to connect to an AP hotspot. Connect your phone or computer to the hotspot **esp-claw-xxx**, then navigate to `192.168.4.1` to access the device configuration page.



2. Under the **WI-FI SETTINGS** section, enter your Wi-Fi name and password, then select a model provider and enter the corresponding API Key.

ESP-CLAW

English

Device Settings

Configure credentials, runtime settings, and manage FATFS storage on your ESP device.

Wi-Fi Offline

IP: 0.0.0.0

Storage: /fatfs

Configuration

Memory

File Manager

1

WI-FI SETTINGS

Wi-Fi SSID

M5Stack

Wi-Fi Password

.....

2

LLM SETTINGS

LLM Provider

Qwen Compatible

API Key

.....

Model

qwen3-max-2026-01-23

Timeout (ms)

120000

LLM Advanced Options

Note

1. For detailed Web configuration and onboarding instructions, refer to the [ESP-Claw Official Tutorial](#).
2. When using Alibaba Cloud model services, real-name verification of your Alibaba Cloud account is required.

3. Configure the ClawBot chat interface, such as QQ.

ESP-CLAW

English

LLM SETTINGS

LLM Provider

Qwen Compatible

API Key

.....

Model

qwen3-max-2026-01-23

Timeout (ms)

120000

LLM Advanced Options

INSTANT MESSAGING (IM)

WeChat

QQ

QQ App ID

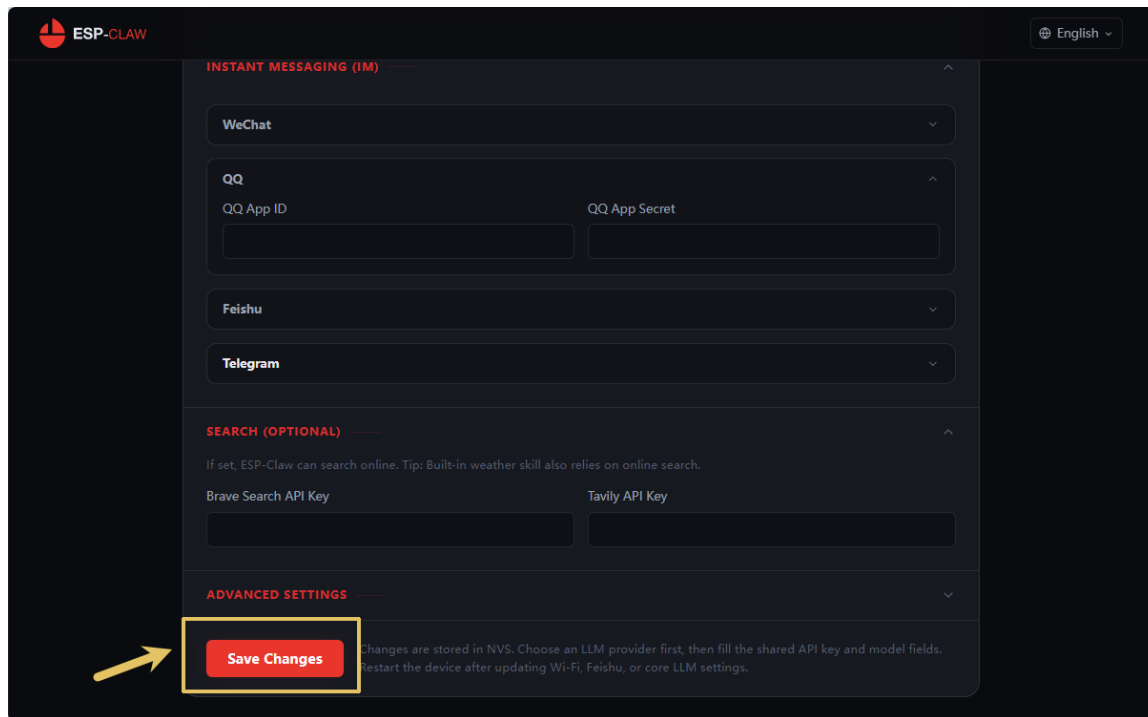
QQ App Secret

.....

Feishu

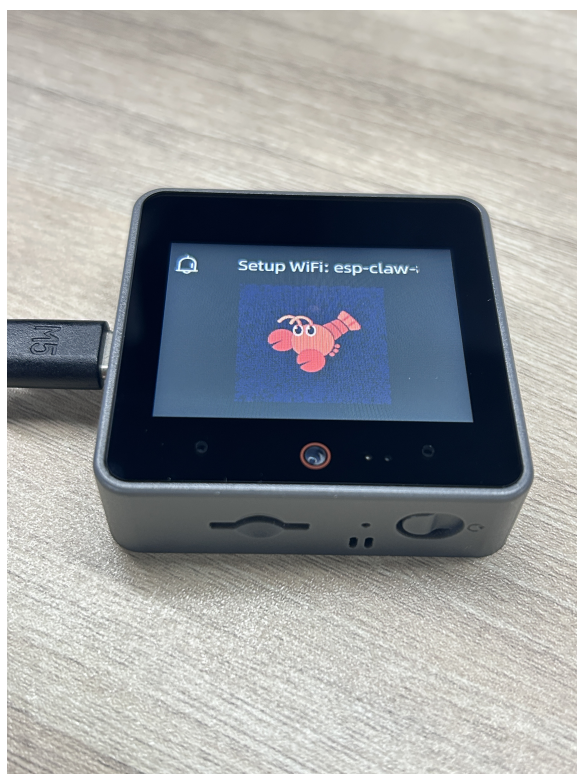
Telegram

4. Click [Save Changes](#) at the bottom of the page to save the configuration.



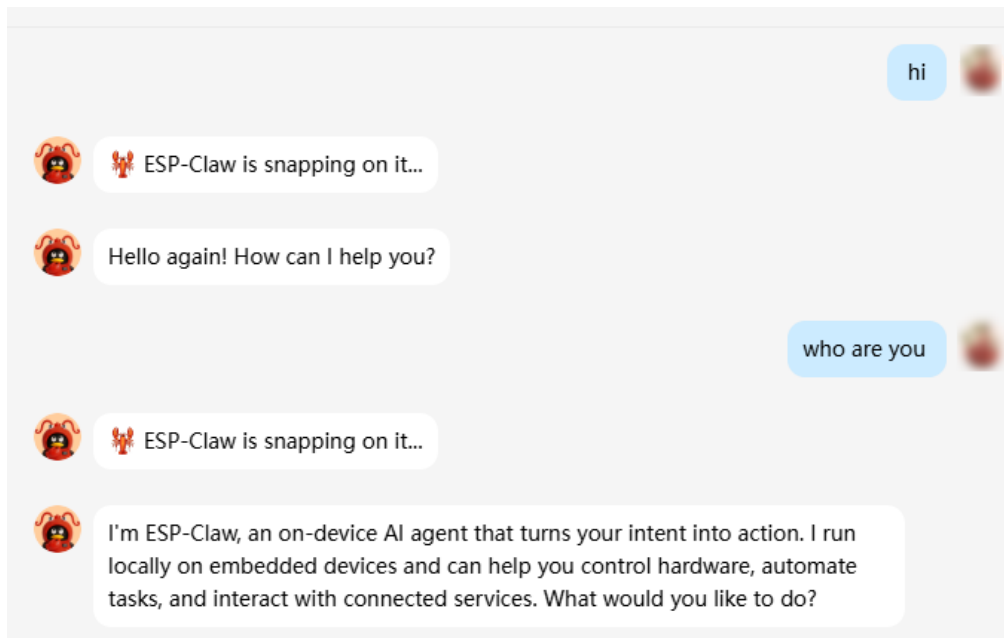
The screenshot shows the ESP-CLAW web interface with a dark theme. At the top left is the ESP-CLAW logo, and at the top right is a language dropdown menu set to 'English'. The main content area is divided into three sections: 'INSTANT MESSAGING (IM)', 'SEARCH (OPTIONAL)', and 'ADVANCED SETTINGS'. The 'IM' section includes expandable panels for WeChat, QQ (with fields for QQ App ID and QQ App Secret), Feishu, and Telegram. The 'SEARCH' section has a note about online search and fields for Brave Search API Key and Tavily API Key. The 'ADVANCED SETTINGS' section contains a 'Save Changes' button, which is highlighted with a yellow box and a yellow arrow pointing to it from the left. Below the button, a note states: 'Changes are stored in NVS. Choose an LLM provider first, then fill the shared API key and model fields. Restart the device after updating Wi-Fi, Feishu, or core LLM settings.'

5. Reboot the CoreS3 device. Configuration is now complete.



Once configured, ESP-Claw can be used to perform a wide range of tasks including hardware programming, automation control, and local AI inference.

Example: ESP-Claw supports integration with instant messaging platforms such as QQ, allowing users to send commands just like chatting with a regular contact.



| Video

[ESP-Claw-EN.mp4](#)