

Tab5 Keyboard User Demo Introduction

This tutorial introduces user demos for Tab5 Keyboard paired with Tab5, covering firmware flashing procedures as well as functions including USB HID output and register display.

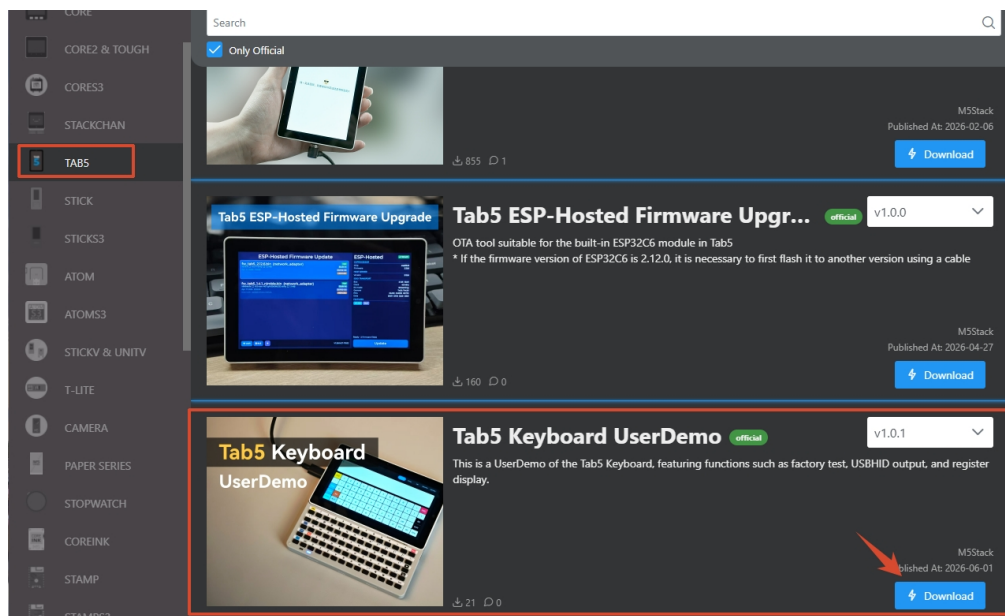


Firmware Flashing

1. Download the corresponding M5Burner flashing tool based on your operating system, extract the file and launch the application.

Software Version	Download Link
M5Burner_Windows	Download
M5Burner_MacOS	Download
M5Burner_Linux	Download

2. Open M5Burner, select device type **TAB5** from the left sidebar, then click **Download** to obtain the factory firmware for Tab5 Keyboard.



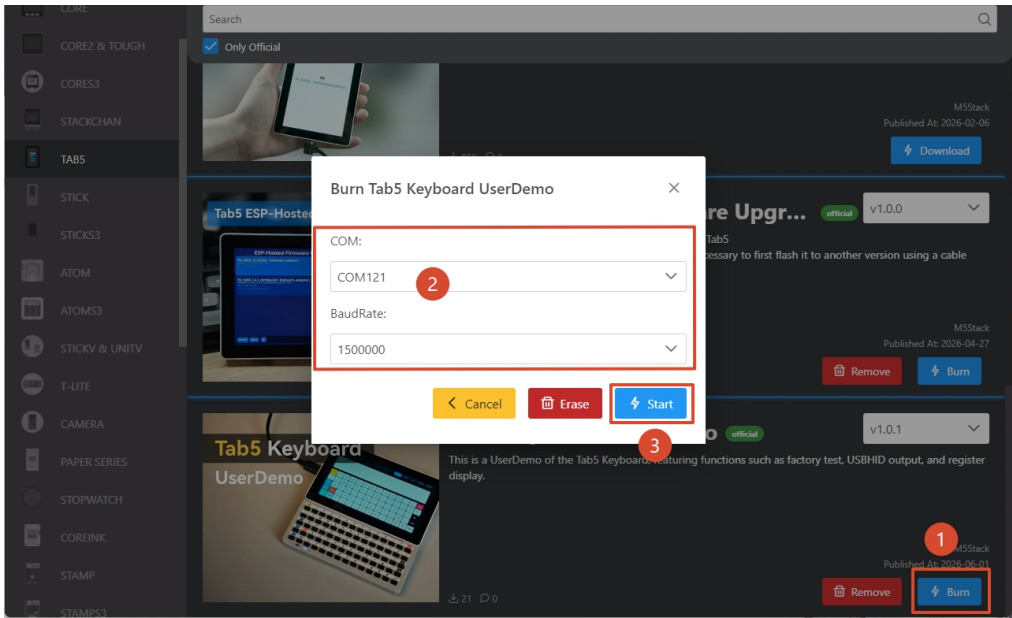
3. Connect Tab5 Keyboard to Tab5 properly.



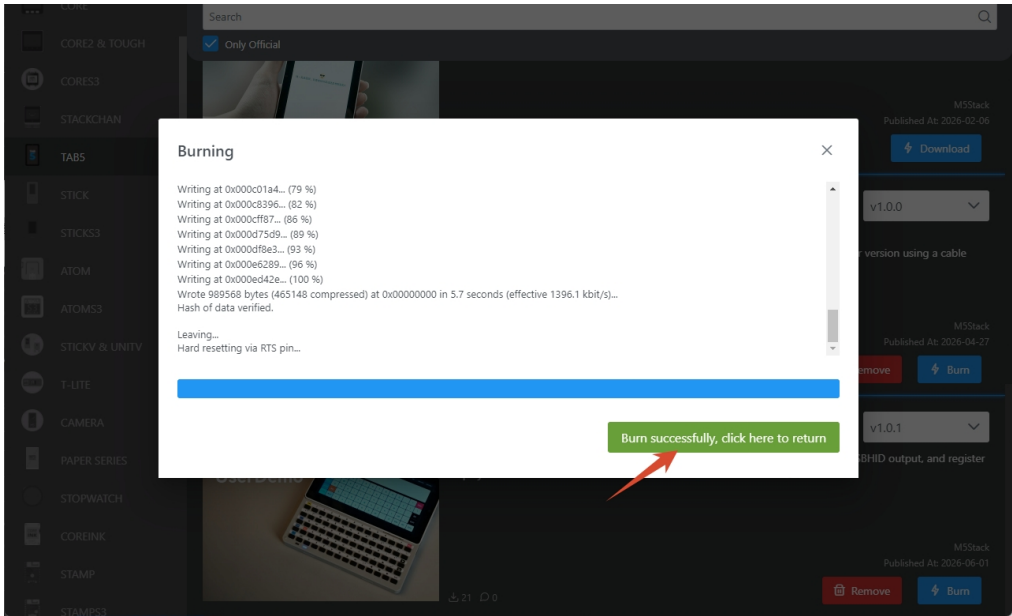
4. Enter Tab5 download mode: With USB Type-C cable plugged in or battery powered, hold down the reset button for approximately 2 seconds until the onboard green LED blinks rapidly, then release the button to enter download mode and prepare for firmware flashing.



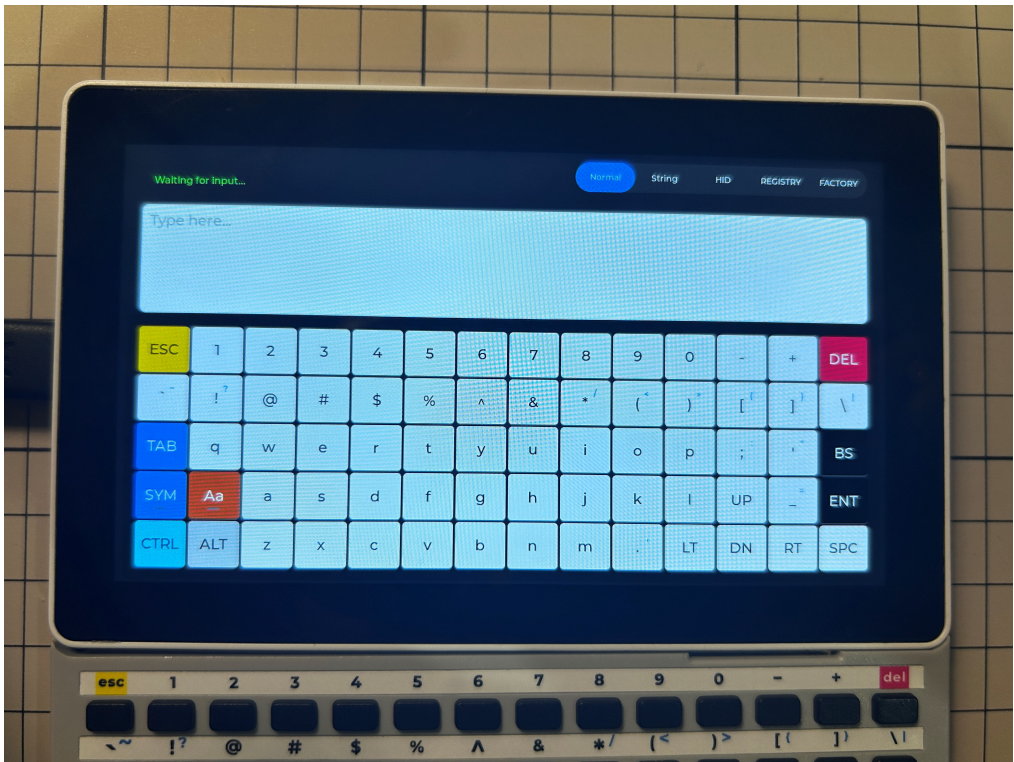
5. Connect Tab5 to PC via USB cable. In M5Burner, click the **Burn** button of target firmware, select the corresponding COM port and hit **Start** to begin flashing.



6. Flashing completes when prompted with **Burn** successfully, click here to return. Reboot the device to apply the new firmware.



Factory firmware UI:



Demo Introduction

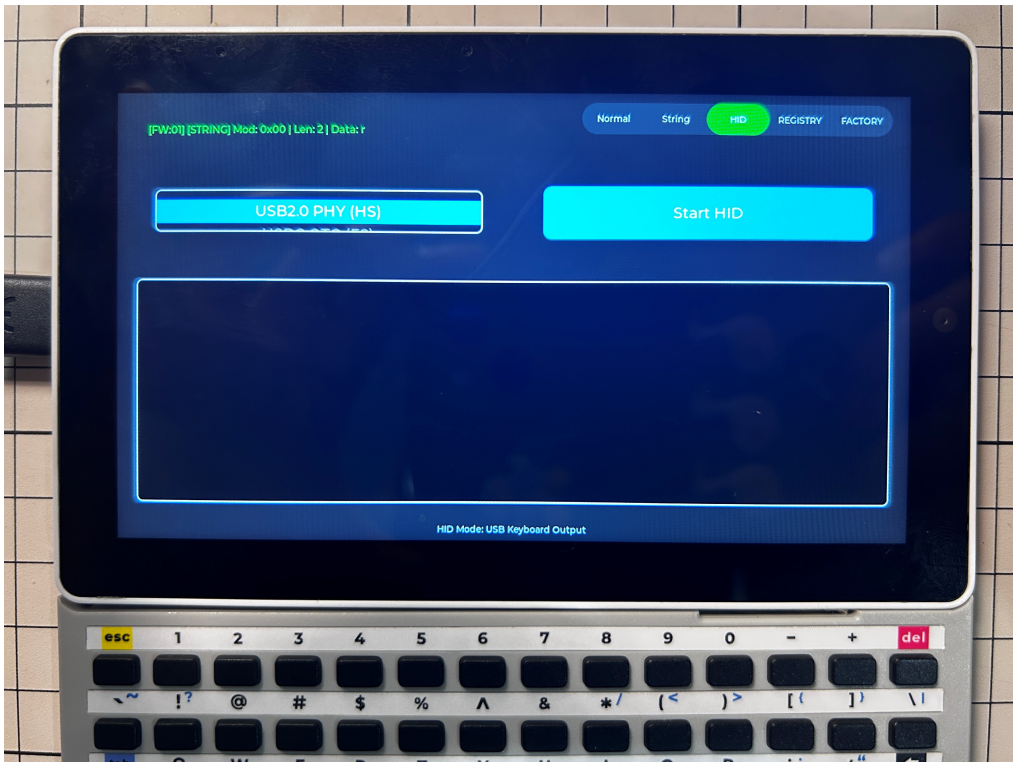
Five functional menus are available on the initial demo screen:

- Normal: Normal mode; pressing keys displays their row-column coordinate values.
- String: String mode; returns key name strings of regular keys plus status of Ctrl/Alt modifier keys. Sym/Aa keys trigger corresponding dedicated functions directly.
- HID: In HID mode, Tab5 Keyboard works as a USB keyboard to send keystroke signals to PCs, smartphones and other devices.
- REGISTRY: Register data display page
- FACTORY: Keyboard hardware function test page

HID Mode

On the HID page, Tab5 Keyboard acts as a standard USB HID input device to feed input to smartphones, PCs and tablets. Two sub-modes are supported:

- USBC OTG (FS): Connect Tab5 to PC/phone directly via USB-C cable for keyboard input.
- USB2.0 PHY (HS): Connect Tab5 to PC via USB-A cable to function as a desktop external keyboard.



HID Mode Operation Guide

- USBC OTG (FS): Set working mode to **USBC OTG (FS)** on HID page, link Tab5 with attached keyboard to PC/phone/tablet using Type-C cable, tap **Start HID** on screen; keystrokes will be input to connected devices directly.
- USB2.0 PHY (HS): Switch mode to **USB2.0 PHY (HS)**, connect Tab5 to PC with male-to-male USB-A cable and tap **Start HID**. The keyboard can then input characters just like a regular desktop keyboard.