SMHUB OS - Update & Restore Methods

Your SMHUB can be updated or restored in **three different ways**:

1. **OTA (recommended)** – simple updates directly from the Web Interface
2. **Type-C Cable** – full recovery if the device doesn’t boot via computer
3. **SD-Card** – full recovery if the device doesn’t boot without copmuter (more reliable)

Below is a quick overview to help you choose the right method □□

□□ 1. Regular Update — OTA (Over-the-Air)

The easiest and safest method for normal updates.

How:
`Web Interface → Settings → Updates & Restore → Check for Updates`

What happens:
SMHUB downloads and installs the newest version automatically.

□ Simple — no cables, no drivers
□ Keeps your data and settings
⚠ Works only if your system boots normally

⚡ 2. Restore via Type-C Cable

Good when OTA fails, if you need a clean reinstall, or if you want a quick setup without dealing with command-line environments.

How: Connect SMHUB to your PC via Type-C → Download and run the standalone smhub-flasher → Click to flash.

 Zero Configuration: No terminal commands or manual environment setups required.
 Always Up-to-Date: The interface automatically fetches and downloads the latest online images directly.
 Visual Feedback: Shows real-time progress right on your PC screen.
⚠ Connection Requirements: Ensure you use a high-quality data cable and that your system detects the USB device.
 Alternative: If this fails or you prefer a different route, check the SD-Card method below.

⚠ **IMPORTANT:** If the flashing process does not start, please disconnect POE and other Add-ons (4G/Z-Wave).

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3. Restore via SD-Card (Full Recovery Method)

Use this if your SMHUB is “bricked” or not responding at all.

How:
Copy 3 files (`emmc.img`, `fip.bin`, `partition_gpt.xml`) to a FAT32 SD card → insert into SMHUB → power on → wait ~5 min → power off → remove card → power on again

https://smlight.tech/support/manuals/books/smhub/page/updaterestore-using-sd-card

 Works even if device doesn’t boot
 No drivers, no software, no cables
 Visible progress - just wait patiently
⚠ Remove SD before next boot (otherwise it will flash again)

IMPORTANT: If the flashing process does not start, please disconnect POE and other Add-ons (4G/Z-Wave)

Which method should I use?

Situation	Best Option
Regular update	**OTA**

Situation	Best Option
OTA failed or system unstable	**Type-C Cable**
Device won’t start / “bricked”	**SD-Card**

In short:
□□ Use **OTA** for normal updates.
□□ Use **Type-C** if you need to reinstall.
□□ Use **SD-Card** to fully recover a non-booting device.

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