

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 computer (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
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? 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).

? 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/smhubs/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
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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