

How to update or load a firmware on Kraftor ?

- Open the plastic case by gently squeezing the top part and lifting it while holding the lower part.
- Install your [voice board](#)
- Connect Kraftor to your computer via USB.
- Double-click on the reset button
- A new drive named “KraftoB00T” will show up on your computer, and the MIDI LED will start to glow gently
- Drag the firmware ending with “.UF2” to the “KraftoB00T” drive
- Done! : Kraftor will restart using the newly installed firmware

Kraftor uploader

If you just want to update the firmware without changing the voice board, you can also do everything remotely via USB without opening the case.

Use this small utility in your browser :

SAMD21 Firmware Uploader v1.0

Use Chrome or Edge (Web Serial required), Safari currently does not support Web Serial.

Note: Your SAMD21 must already include a UF2-capable bootloader (KraftorBOOT) for this workflow.

The screenshot shows a web interface for the SAMD21 Firmware Uploader. It consists of four main steps, each in a light green box:

- 1. Connect Device**: A button labeled "Pick Device" is shown. Below it, a dropdown menu displays "USB(vid=239a,pid=10a)". The status below reads "Status: Device connected".
- 2. Start Bootloader**: A button labeled "Reboot to Bootloader" is shown. Below it, the text says "Serial port will disappear when successful." and "Status: Reboot confirmed - KraftorBOOT verified".
- 3. Confirm/Pick Drive**: A button labeled "Pick KraftorBOOT Drive" is shown. Below it, a dropdown menu displays "KraftorBOOT (verified)". The status below reads "Status: Drive verified - KraftorBOOT detected".
- 4. Upload Firmware**: A button labeled "Select UF2 File" is shown. Below it, a dropdown menu displays "Krafter_QC_firmware.uf2 (130048 bytes)". There is also a text input field for "Or enter UF2 URL...". Below that are buttons for "Fetch from URL" and "Write UF2 to Drive". A "Ready" indicator is shown at the bottom. The status below reads "Status: Ready to upload".

Clear Log

```
[3:32:41 PM] Device selected: USB(vid=239a,pid=10a)
[3:32:43 PM] Opening at 1200 bps...
[3:32:47 PM] Closed after 1200-bps touch. No disconnect event yet; continue by checking for KraftorBOOT drive.
[3:33:00 PM] Drive picked: KraftorBOOT. Checking for KraftorBOOT and UF2 markers.
[3:33:01 PM] Drive verification passed: this looks like KraftorBOOT.
[3:33:18 PM] UF2 selected: Krafter_QC_firmware.uf2
[3:33:20 PM] Writing 130048 bytes to Krafter_QC_firmware.uf2...
[3:33:22 PM] Serial device disconnected: Unknown interface
[3:33:22 PM] Drive disconnected immediately after write finalization; treating as successful flash.
[3:33:22 PM] Write complete. Device should reboot and the drive may disappear.
```

You can run the utility one line here https://deladriere.github.io/samd21_UF2_uploader/

or access the source code here :



GitHub - deladriere/samd21_UF2_uploader
deladriere/samd21_UF2_uploader
To upload your firmware into Krafter

How to update or load a firmware on Emy & Terminal ?

Option 1 (requires the Emy version 2.1 or bigger to be installed first)

- Download the firmware
- Save it on the SD card with a name that makes sense to you (like "emy.bin")
- load it from the code>flash menu.
- If changing the add-on vox :
 - switch the power off
 - install the add-on vox
 - re-apply power

Note This function simply

- *copies the firmware "blalbla.bin" to "firmware.bin"*
- *reboots the system*
- *deletes the firmware.bin*
- *keeps the original with its name.*

You can keep all the firmware on the microSD card and call them whenever you change the add-on vox

Note : Change the firmware before changing the add-on vox

Option 2

- Download the firmware
- Save the firmware exactly as "**firmware.bin**" on the SD card (and not "**blabla.bin**")
- Re-apply power