How to update Talko 2 and Teletype firmware

A step-by-step FAQ for updating Talko 2 and Teletype with the browser uploader and a ready-made UF2 file. No compilation required.

How to add the FRAM module to Kraftor

A step-by-step guide to opening Kraftor, accessing the underside of its main PCB, soldering the FRAM 1.0 module and reassembling the unit.

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 “KraftoBOOT” will show up on your computer, and the MIDI LED will start to glow gently

- Drag the firmware ending with “.UF2” to the “KraftoBOOT” 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 :

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 Kraftor

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