

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.

Meet Teletype: hands-on MIDI control for KRAFTOR

Five keys, four knobs and four banks: meet Teletype, a compact MIDI controller for KRAFTOR and other instruments. Configure it in your browser, save your settings and play.

Echo, the Polaxis serial terminal, is now online

Echo, the Polaxis browser-based serial terminal, is now available online. Connect to KRAFTOR and other devices directly from a compatible desktop browser.

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.

SAM for Emy : now with Keyboard support

Check this page for more :
<https://www.polaxis.be/product/sam-firmware/>

Connect a USB keyboard and select **Keyboard** from the main menu.

- Type text directly from the USB keyboard.
 - Press **Enter** to speak the current sentence with the current SAM settings.
 - Press **Escape** to clear the text buffer.
 - Use **Backspace** and **Delete** to edit the text.
 - Use the cursor keys to move inside the text.
 - Press **Tab** to append the current sentence to [keyboard.txt](#) on the SD card.
-

Talko Terminal

Talko Terminal is here.

After the success of Emy in the Terminal desktop format, Talko now comes in the same proven enclosure.

Inside, it's the **full Talko Eurorack module**, offered as a standalone tabletop unit – USB-powered, compact, and perfect for anyone who wants Talko without a rack.

It runs the complete Talko2 engine: numbers, alphabets, phonemes, classic phrase banks, real-time pitch and speed control, plus the new Error mode for continuous glitch textures.

A 7-segment display shows the active bank or effect.

Talko Terminal includes a USB-C port for power, **serial communication**, and **UF2 drag-and-drop firmware updates**, making hacking and experimentation easy.

A key advantage over the Brickly version: **you get direct USB access**, so there's **no need to open the case** to communicate with Talko or flash new firmware.



Aria Vowel generator

Aria Firmware – A Vowel Synth for Emy & Terminal ☐☐

Unlock new vocal textures with **Aria**, a playful and expressive vowel generator for your **Emy** or **Terminal** module. Whether you're crafting robotic chants, abstract soundscapes, or vocal-like modulations, **Aria** brings a fresh dimension to your synth setup.

□ **Key Features:**

- ✓ **Three Modes** – Trigger, Gate, and Continuous for flexible control
- ✓ **Smooth Transitions** – Adjust merge duration for seamless morphing
- ✓ **Customizable Parameters** – Sample rate, pitch, noise level & more
- ✓ **Easy Installation** – Load via SD card and switch firmware effortlessly

□ **Get Aria now for just €4.99** – includes future updates!

□ [Add to Basket](#)



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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

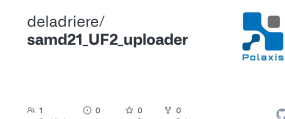
If you just want to update the firmware without changing the voice board, you can also do everything remotely via USB without opening the case.

Use this small utility in your browser :



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

Nexus firmware update

2 new exciting firmware Updates for Nexus!

Enhanced MIDI Functionality:

- Text and Phoneme via MIDI: Send text or phonemes directly through MIDI.
- Sequencer Integration: Pre-store phoneme or text sequences in your piano roll. Add a “Speak” note at the end to activate speech.

- MIDI controls to adjust your Nexus device's speech characteristics in realtime
- 20k Word Library: Access a vast collection of pre-made MIDI words, ready to drag and drop into your favorite sequencer.



[20K words for NEXUS MIDI alphabet](#)

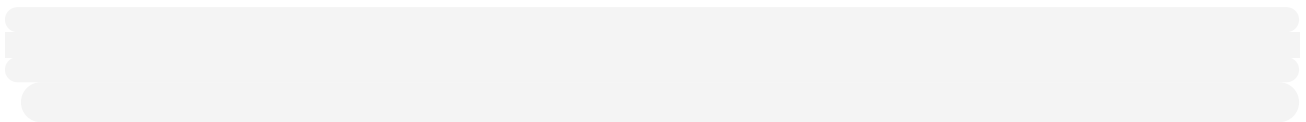
1 file(s) 10.62 MB

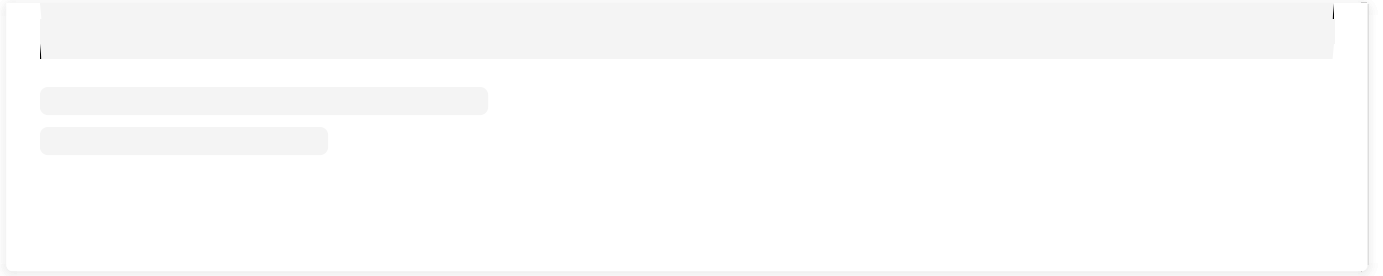
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Phoneme Mode:

- **Simplified Selection:** Easily choose from essential phoneme groups like “Vowels” and “Consonants.”
- **User-Friendly Controls:** Straightforward pitch and speed adjustments, perfect for beginners in speech synthesis.
- **Simple Activation:** Get started with just a gate signal.

Sino vox : now with keyboard input

Two updates to the Sino vox firmware :

1. **update** : in the number function, it is now possible to trigger the speech from the main button
2. **new**: keyboard mode



Connect a USB keyboard to the USB port using the gender changer adapter.

Do not use this port to power something apart from a standard keyboard.

The maximum current that can be provided is 300 mA.

If you need a keyboard, check out this [Wireless Keyboard](#).



□Text Operation:

Type the text and **press Enter to start** the speech. (The Function button is also active)

Use the **Backspace to delete** the last character.

Use **Escape to erase the string** and start over.

Use the five potentiometers to alter the Speed, Voice, Pitch, Volume, and Language (Pinyin or English)

The busy signal goes up while a key is pressed. (if you want to trigger external sounds, for example)

Firmware



[Sino Firmware + TRS MIDI](#)

3 file(s) 68.54 KB

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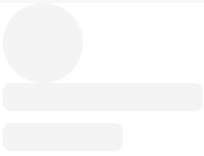
[Sino Firmware + USB MIDI](#)

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