

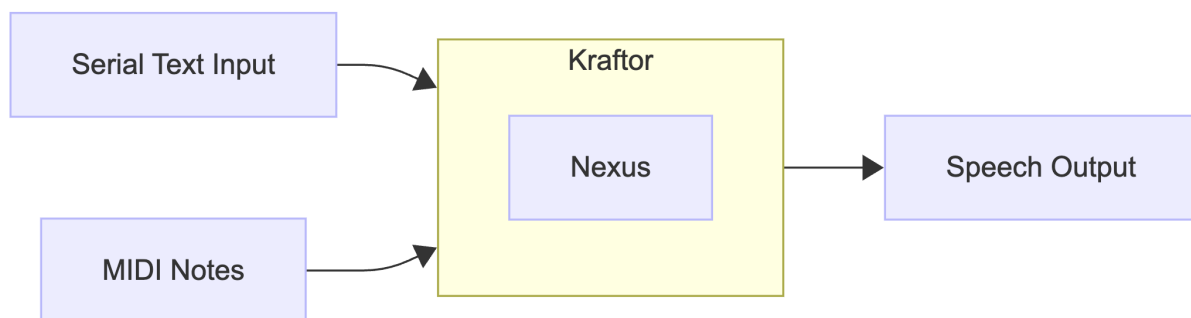
Nexus Serial Midi for Krafter

This firmware allows [Krafter](#) to trigger NEXUS speech from MIDI notes.

The sentences are edited and stored in Krafter using a serial terminal software.

Date	Revision	Changes
2025-09-13	0.2	Modified text parser
2025-09-01	0.1	initial release

Connections



- **Serial USB:** Connect your favorite serial terminal to Krafter via USB at 115200 bauds.
- **MIDI:** Connection can be made via USB or TRS MIDI type B.

You can also use [Echo](#), our Serial terminal that runs in a browser!

```
Baud 115200 Enter CRLF Font Courier New Color Green Size Normal Glitch
Off Local echo Disconnect Clear Polaxis Echo V1.1 - Connected to Polaxis
Kraftor @ 115200 baud

/h = display help
/a = about this code
/c = clear screen
/d = set phoneme mode on
/ex = set expression (0-9)
/f = firmware version
/n = set normal mode
/i = info about current voice and speed settings
/m = show MIDI mapping note per sentence
/o = original voice settings
/pxx = set pitch (0-99)
/rx = set reverb (0-9)
/sxx = set speed (0-13)
/txx = set formant (0-99)
/ux = set volume (0-9)
/qx = set articulation (0-9)
/vxx = set voice (0-10) (Perfect Paul, Vader, Big Bob, Precise Pete, Ricochet Randy,
Biff, Skip, Robo Robert, Goliath, Alvin, Gretchen)
enter = type your text then press enter to start speech
      use @ as MIDI note delimiter; start the line with @ to store: @one@two@three
$
```



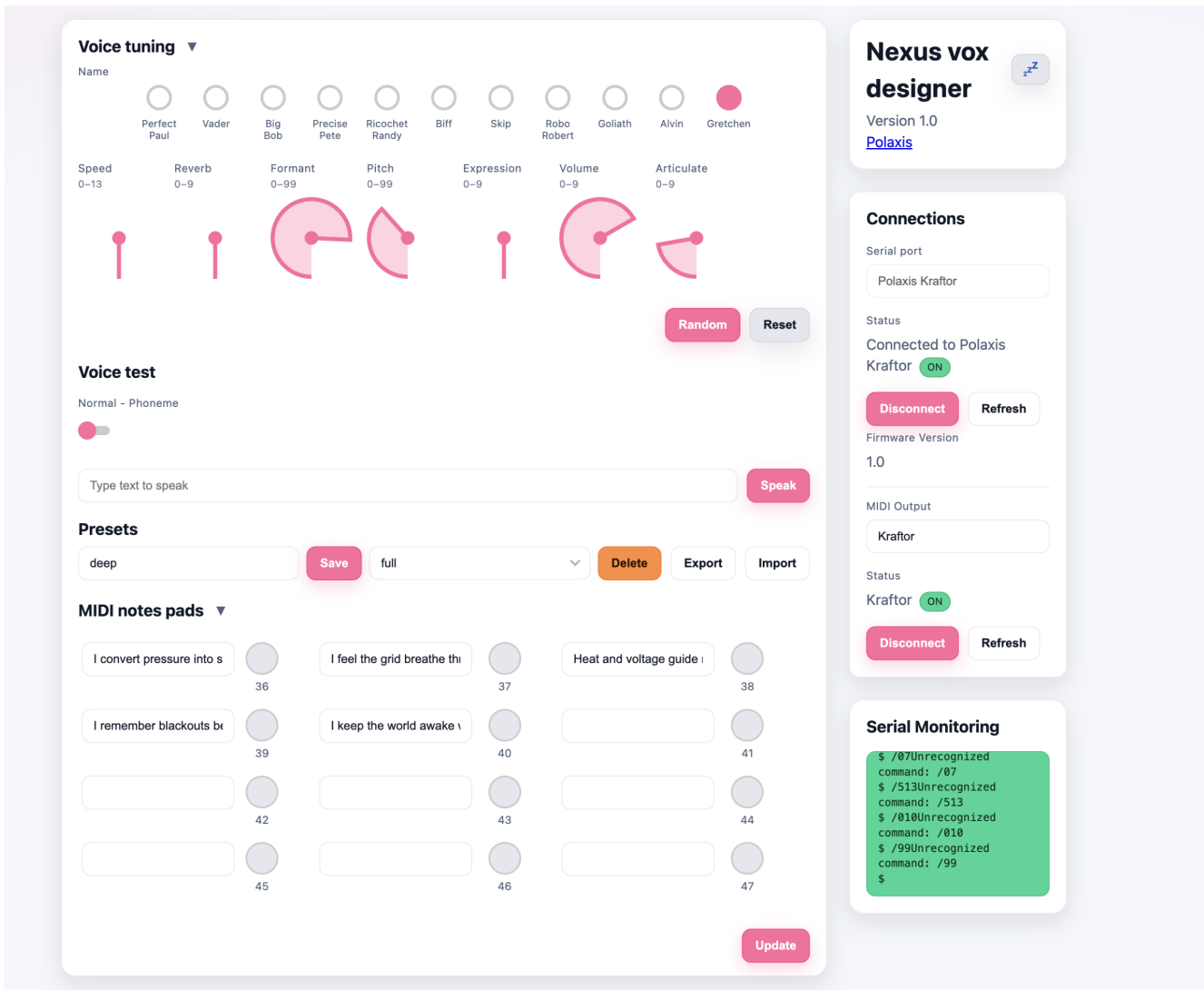
[Echo Polaxis Serial Console](#)

1 file(s) 14.00 KB

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You can also use Nexus vox designer to tune the voice with a graphical interface and a dedicated app that also runs in the browser :



Testing Sentences

Type the command `/h` for help. You should see the following command list:

<code>/h</code>	= display help
<code>/a</code>	= about this code
<code>/c</code>	= clear screen
<code>/d</code>	= set phoneme mode on
<code>/n</code>	= set normal mode
<code>/ex</code>	= set expression (0-9)
<code>/f</code>	= firmware version
<code>/i</code>	= info about current voice and speed settings
<code>/m</code>	= show MIDI mapping note per sentence
<code>/o</code>	= original voice settings
<code>/pxx</code>	= set pitch (0-99)
<code>/rx</code>	= set reverb (0-9)

/sxx = set speed (0-13)
/txx = set formant (0-99)
/ux = set volume (0-9)
/qx = set articulation (0-9)
/vxx = set voice (0-10)
(Perfect Paul, Vader, Big Bob, Precise Pete,
Ricochet Randy, Biff,
Skip, Robo Robert, Goliath, Alvin, Gretchen)

[Enter] = type your text then press enter to start speech
@ = use as MIDI note delimiter; start the line with @
to store:
@one@two@three

You can now type some text and press Enter to hear the speech.
Use /s to change speed, /v to change voice, and /d//n to
switch phoneme/normal modes.

Preparing Your Sentences for MIDI Triggering

Use the @ delimiter to slice your entry into different
sentences. Each sentence will be triggered by
consecutive MIDI notes starting at note 36. Example:

```
$ @one@two@three@four  
$ MIDI Note: 36: one  
MIDI Note: 37: two  
MIDI Note: 38: three  
MIDI Note: 39: four  
$
```

MIDI Trigger

In your sequencer, select **Kraftor** as the MIDI USB input.
Triggering MIDI notes will play the
corresponding sentences as defined above.

Firmware

Do not use this firmware for EMY or Terminal.

[How to install the firmware](#)

Media