

Vax vox designer

Vax vox Designer is a single-file, visual app that runs directly in Chromium-based browsers (Chrome, Edge, Brave, Opera). No install, no drivers – open the file and connect.

Quick start

- 1) Open `Vax_vox_designer.html` in a Chromium-based browser (drag the file into a tab or use File → Open).
- 2) Click **Connect** and pick your [Kraftor](#) (hosting [Vax vox](#) and running [vax-serial-midi](#)).
- 3) Tweak the **Voice tuning** section (Name, Rate, Pitch, Breathiness, Head size, Laryngealization, Gain). The command field below updates automatically.
- 4) Type text and press **Speak**, or use the MIDI pads to trigger notes 36–47.

The screenshot displays the Vax vox designer web application interface, which is divided into several functional sections:

- Voice tuning:** This section allows users to select a voice name from a list (Paul, Harry, Betty, Ursula, Dennis, Kit, Frank, Rita, Wendy) and adjust various parameters using sliders and dials. The parameters include Rate (75–600), Average pitch (50–500), Pitch range (0–100), Breathiness (0–70), Head size (65–135), Laryngealization (0–100), and Gain (0–100).
- Command voice design:** A text input field for designing a voice command (e.g., "ap 12 pr 38 br 6 ri 48 la 34 hs 50 sm 58 g5 86"), with **Apply** and **Reset** buttons.
- Voice test:** A text input field for testing the voice (e.g., "welcome to the machine"), with a **Speak** button.
- Presets:** A section for saving and managing voice presets, including a **Save** button, a dropdown menu (currently showing "AlienResonance"), and **Delete**, **Export**, and **Import** buttons.
- MIDI notes pads:** A section for triggering MIDI notes (36–47).
- Connections:** A sidebar on the right that shows the current serial port (Polaxis Kraftor), status (Connected to Polaxis Kraftor, ON), and firmware version (0.2). It includes **Disconnect** and **Refresh** buttons. Below this, it shows the MIDI Output status (Not connected) and **Connect** and **Refresh** buttons.

What's inside

– Voice tuning dials with tooltips (Rate is a horizontal

slider)

- Editable **Designed voice command** field (auto-updates and debounced auto-sends /d ...)
- accepts any DECTalk command, not just the dials
- Separate Rate control (not in the command); dial sends /r{value} after you stop moving it
- Reset sets sensible defaults and sends /r200, then /o after 200 ms
- Voice selection (radio) sends /v{index}
- Collapsible Voice tuning section with chevron (▼/▶) to save vertical space
- MIDI note pads (36–47) can be used to trigger sentences from the browser, as well as from your favorite MIDI application.

Presets

- Save presets locally in your browser (per profile/device)
- Select a preset to load it instantly (auto-applies rate and command)
- Export/Import presets as JSON to share or back them up

Device & connections

- Device name shown on connect (via WebUSB when available)
- Web Serial & Web MIDI; status badges for each connection

Storage & privacy

- Everything is stored locally in your browser (LocalStorage). Runs offline; data stays on your machine.

Compatibility

- Desktop: Chrome/Chromium 89+ (macOS / Windows / Linux)
- Not supported: iOS/iPadOS Safari (no Web Serial), most mobile browsers

Tips

- Hover the labels to see tooltips
- If the device doesn't appear, close other serial apps that might hold the port
- If the browser says Web Serial isn't supported, update

Chrome/Edge/Brave on desktop

Known behavior

- The browser may ask for permission to read friendly USB names (WebUSB)

Support

Include your OS, browser version, and a short description of your device/baud settings when reporting issues.