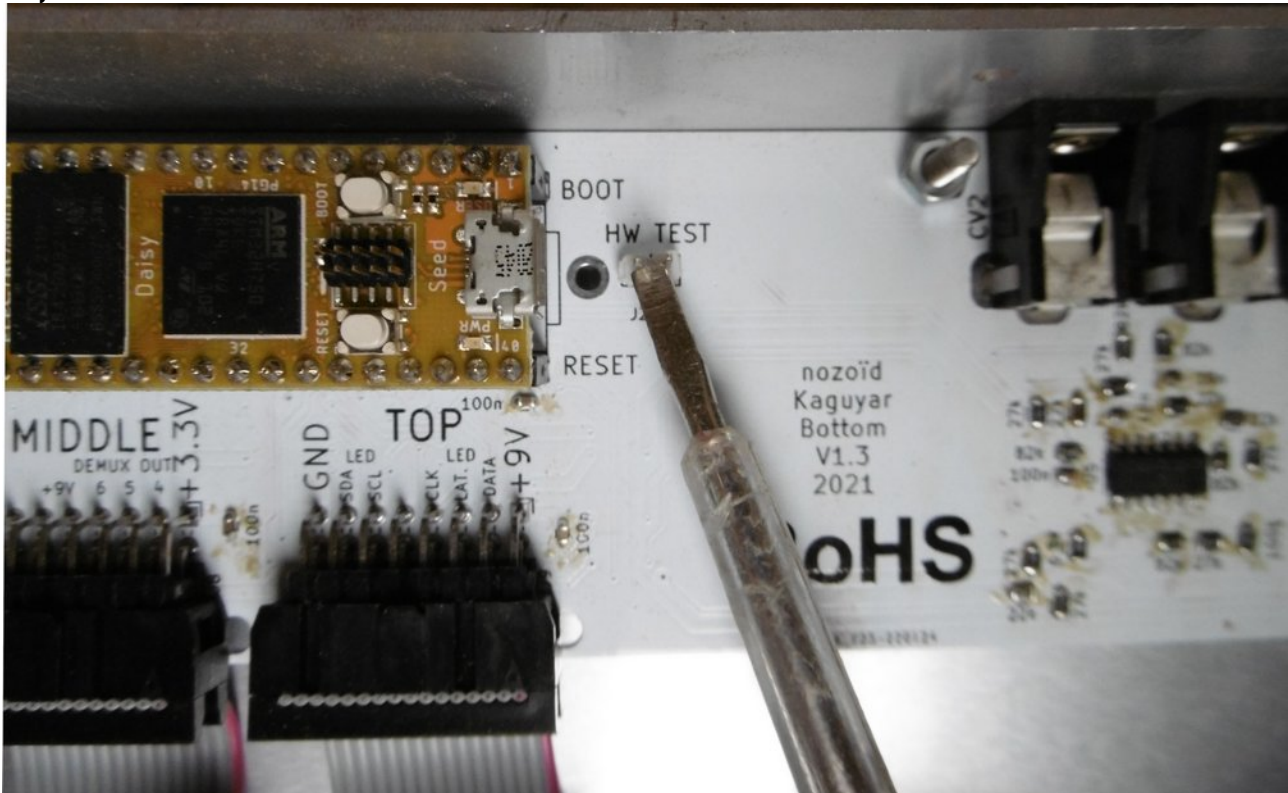


I'm sure there is a hardware problem!

You can boot in a specific hardware test mode to check the way all hardware components behaves. Do to so, you should:

- Switch off the Kagouyar
- Unscrew and open the panel.
- Make a connection between 2 pin named "hardware test" in the pcb. (with a metallic object like a screw driver)



- Switch on the Kagouyar

All led should switches on, one after the other.

When pressing a switch, the led on the keyboard indicates the line and raw position of the switch you are pressing.

When pressing (and holding) a keyboard key, the 5 leds (ADSR, LFO1, LFO2, LFO3, LFO7) are directly controlled by the value of the potentiometers. K1 correspond to 1st raw, K2 to 2nd raw, etc. (for example, when K2 is pressed, ADSR led is controlled by VCO2 FQ potentiometer, LFO1 led is controlled by VCO2 WF, LFO2 led is controlled by VCO2 MOD1, LFO3 led is controlled by VCO2 MOD2 and LFO7 led is controlled by VCO2 MOD3).

When pressing MIDI switch, the MIDI led blink when receiving a MIDI message.

When pressing CV1 switch, the CV1 led is controlled by analogue value received on CV1 input.

When pressing CV2 switch, the CV2 led is controlled by analogue value received on CV2 input. Pressing LOAD + SAVE indicate if CV1 and 2 have been calibrated (LK1, LK2 and LK3), and the software version number (O O O O O O O O O O I) for now.

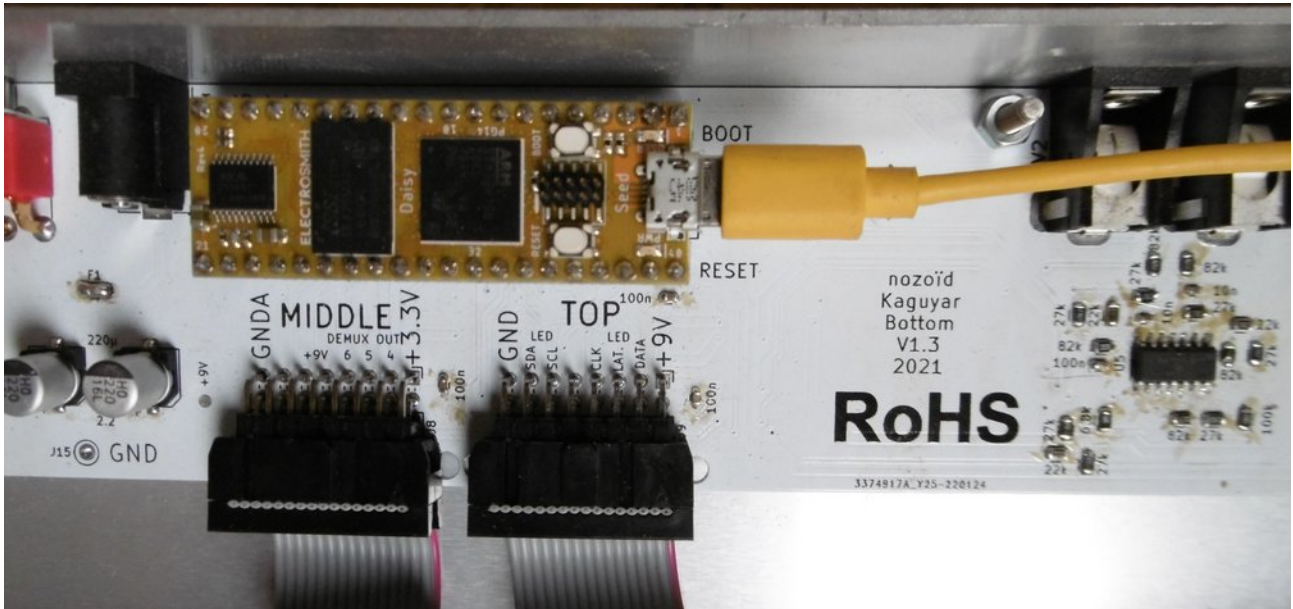
If the synthesizer do not operate this way, you should contact nozoïd using the online contact form.

You can reboot the synth for normal operation.

How to update firmware?

To update the firmware, you should:

- Download last firmware version here: <http://nozoid.com/firmware/> (it's a .bin file)
- Switch off the Kagouyar.
- Unscrew and open the panel.
- Plug a micro USB cable between your computer and the connector on the main chip



- Open a browser compatible with WebUSB, like Chrome (or chromium) version 61 or newer. Firefox did not work for now.
- Go to: <https://electro-smith.github.io/Programmer/>
- Press and hold the "BOOT" switch



- Switch on the Kagouyar
- Release the "BOOT" switch
- Click the Connect button at the top of the web page
- Select, "seed" as the platform
- Click the "Choose file" button, and select the .bin file you would like to program.
- Click "Program", and wait for the progress bar to finish.

- Switch off the Kagouyar
- Unplug the USB cable
- You can also check the firmware version on the hardware test mode (see previous section)
- Screw back the Kagouyar panel.