

Intro

The VZ Editor is a browser based tone editor for the Casio VZ 1 / 10 m / 8 m and Hohner HS/2. It is capable of editing and uploading tone data to a connected VZ/HS synth. Also you are able to load a VZ SysEx library into the editor and select a tone for transmitting or editing.

Even though it is a web-based editor, none of your data is stored or copied to any where else.

If you come up with new sounds I'd be more than happy if you are willing to share them. A good starting point might be the Czsynth yahoo group, which also covers the VZ series.

Prerequisites and Getting Started

For low level midi functionality the 'jazz-plugin' needs to be installed and activated in your browser. Go to <http://jazz-soft.net/> for details.

Once you have installed and activated the plug-in you may open the editor page in your browser (preferably Chrome or Firefox). The Jazz plug-in will most probably be blocked, when you enter the page the first time (usually indicated by a red 'X' in the address line of your browser). Ensure that the usage of the plug-in is allowed for the VZ Editor.

If you experience, that the Jazz plug-in is not activated in your browser, then this link might be helpful: <http://forum.hooktheory.com/t/midi-keyboard-not-working-jazz-plugin-issue/151/4>

From then on you may start to compose your sound.

In order to transfer your sound to your VZ select the midi connection at the upper right and then click on the transmit button.

Current State

So far I have concentrated on a working proof of concept and tried it out on a Microsoft Windows 7 machine with a MIDIsport 4 and a SonicCore Scope interface in the following combinations:

	Casio VZ 10m	Hohner HS/2
Google Chrome	as expected	as expected
IE11	layout issues for sliders	layout issues for sliders

Firefox	layout issues for sliders	layout issues for sliders
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I have tried it out and it worked. I do not claim, that I have thoroughly tested it yet.

Features

- Edit all tone relevant data except for the parameters listed in the Known Issues / Restrictions / Gaps section.
- Envelope
 - Graphically edit the envelopes (Modules and Pitch)
 - Select the module (or pitch) envelope to be edited
 - Lock one or more module envelopes to change them simultaneously
 - Set and delete sustain via mouse click
 - Set and move end via mouse click on a node (A click on a step after the current end step sets the end step to that position. A click on the current end step moves the end to the position of sustain, and moves sustain up one step) – Ping me, if you have a better idea on the interaction behavior
 - Set the velocity sensitivity via mouse click on the curve
- Key Follow
 - Graphically edit key follow
- Send Midi Sysex
- Play test note
- Open SysEx files to use the tone data as a starting point for your programming

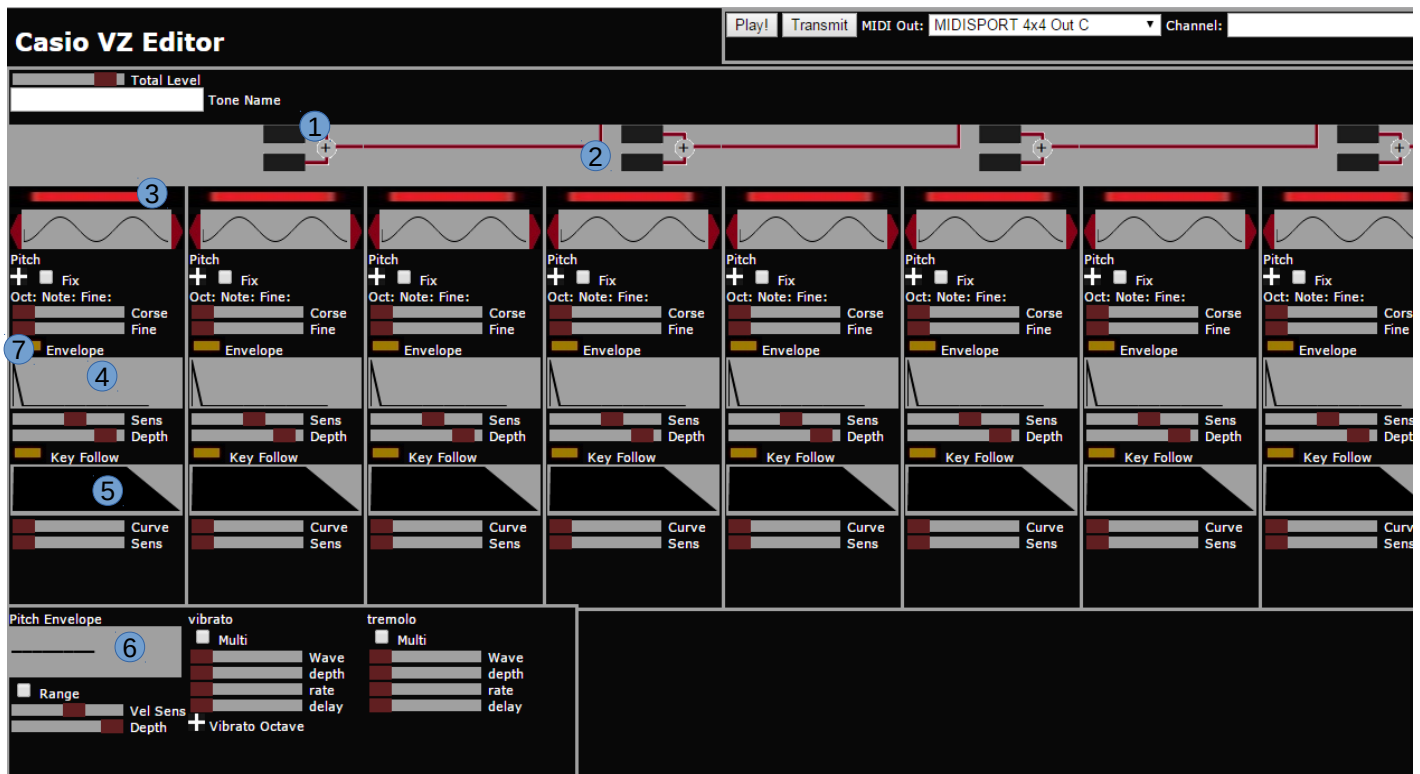
Known Issues / Restrictions / Gaps:

- KF Rate is still missing
- Only a screen resolution of 1280 * 800 is supported
- Algorithm for rendering Saw Waves is not correct (probably a simple mix, not a phase)

Todos

- Thoroughly test the prototype
- Enhance robustness (e.g. Check tone name for valid characters...)
- Clean up the UI / UX
 - Re-arrange
 - Enhance the UI components (detune dial, wave selector..)
 - Support other screen resolutions
- Send / receive sound bank dumps
- Load / save sound banks (Librarian functionality)
- Edit Operation (menu 2)

Casio VZ Editor – Reference for 'hidden' Functionality



1. select the mix/modulation type of the modules
2. select the external phase for the lines
3. activate/de-activate a module and copy a module's settings to another via drag & drop
4. Click on the envelope to edit it
 1. set end and sustain points by clicking on the nodes (yellow = sustain / red = end)
 2. set the rate velocity by clicking on the line (red indicates, it is activated)
 3. edit the values using the text boxes beneath the editor
 4. to minimize the editor click on the '-' on the far right (the key follow might overlay the envelope... just kill them and open them again ... it's on my to do list.
5. Click on the key follow curve to edit it
6. The global pitch cure is hidden here
7. to 'lock' envelopes or key follow curves click one or more of the yellow 'LEDs' the curves will change simultaneously