

BabyTron 1.0

GENERAL INFORMATION

DESCRIPTION

BabyTron is an analog and phase-distortion virtual synthesizer with step sequencer.

It can be used to generate arpeggiated sounds, analog strings, bass, leads, pads and some acoustic emulations.

BabyTron has a simplified architecture of just one of each traditional modules: oscillator, envelope, filter. It has no FX: no chorus, no reverb, no delay, etc..., it is the way to demonstrate how it can make a variety of sounds without them. The user can add that plugin effects in the host software if wanted, for the VSTi version.

The modulations (including phase distortion) have no sophisticated algorithms, just there are direct modulations from several sources. In that manner, the user can build complex sounds using simple resources.

STEP SEQUENCER

The step sequencer has 3 main sections. One is to modulate the tone of notes. Another is to modulate some parameters as described at Specifications. And another section is "Scenes". There are 4 scenes. All tweaks made in most of the controls of the step Sequencer are themselves saved in the selected scene. Therefore the user has 4 versions of each preset, it means 4 sub-presets. The scenes can be used to make a lot of changes with one click, at recording or live performance.

ERGONOMICS

BabyTron makes transparent or invisible the knobs that have no result in a given situation. For example, if the user selects "noise" in the oscillator, it will turn invisible the knobs "octave", "pulse", "phase", etc. .That feature is called "Auto Hide", and it facilitates the training and use of this synthesizer.

ABOUT...



Solcito Música

BABYTRON was developed in Patagonia Argentina by Gustavo Valletto, using the "Synthmaker" software. Solcito Música is the artisan identity of Gustavo Valletto.

I would be happy if you send me your comments to my blog: www.solcitomusica.blogspot.com.ar

or email: solcitomusica@gmail.com

SPECIFICATIONS

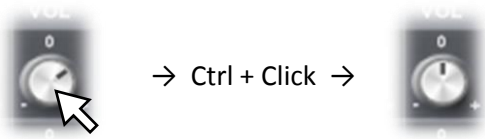
- 1 oscillator
- 1 envelope generator with independent modulation of:
 - tone, amplitude, filter cut, pulse width, tuning of phase distortion, amount of phase distortion
- 1 filter with control of "Wide" (panoramic frequency distribution)
- 1 LFO with just Triangle wave and a Synchronization pulsator with independent modulation of:
 - tone, amplitude, filter cut, pulse width, tuning of phase distortion, amount of phase distortion
- 1 Step Modulator of 16 steps that includes:
 - 2 graphic screens
 - independent modulation of tone, amplitude, filter cut, pulse width, tuning of phase distortion, amount of phase distortion

- 3 modes of envelope trigger
 - 4 scenes for each preset (means 4 subpresets)
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- "age": provides vintage warmth
 - "boost": manages the dynamics to give loudness
 - Auto Hide function: Like in any synthesizer, certain situations make any knobs have no action. Babytron hides them for easy handling.

TIPS

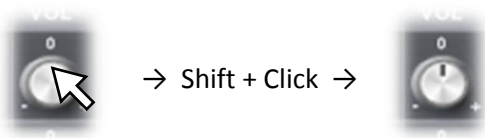
KNOBS - DEFAULT POSITION

To quickly turn the knobs into place by default, do CTRL + click on the knobs.



KNOBS – FINE TUNING

To tweak the knobs with more detail, do Shift + click on the knobs.



FILES "saw2KtableSM.dat" OR "tri2KtableSM.dat"

These files may appear in the same folder where resides the synthesizer, when it runs. Deleting not cause damage, but them will reappear when turn using the synthesizer.

PRESETS AND BANKS

To save your own Preset:

In the module "PRESET", click on "name" and type a new name. Then, click on "File" - "Save Preset". It will be saved as a text file.

To load your own Preset:

In the "PRESET" module click on "File" - "Load Preset". It will allow find a preset on your PC and load it in the synthesizer.

To save your own bank of Presets:

In the module "PRESET", click on "File" - "Save Bank". It will be saved as a text file.

To load your own bank of Presets:

in the module "PRESET", click on "File" - "Load Bank". It will allow find a Bank of presets and load it in the synthesizer.

KNOWN ISSUES

High CPU consumption

BabyTron may consume more CPU than expected for a synthesizer of these features. This is inherent to the architecture of software development, and the limitations of the developer too. According to information of the Synthmaker Forum, this software uses the processor to make graphics, and does not use the video hardware to do so.

If you have problems, try these tips:

- Minimize the BabyTron window.
- Use the "freeze" function of your sequencer program.
- Decrease the amount of voices on the "voices" knob.

LEGAL

BabyTron is free.

BabyTron is supplied as it is, without warranties of any kind. The developer has developed this software to make it harmless. However, the developer is not responsible for the consequences of its use. This responsibility is of the user. The user should avoid the excesses of sound volume, as in any other musical hardware and/or software device.

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END OF DOCUMENT