Philicorda

User Guide

v1.1

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Philicorda

Vintage Transistor Organ

Philicorda is a faithful emulation plugin of the legendary 1960s Philips Philicorda organ. This plugin replicates the transistor-based sound of the later GM751 models, delivering the distinctively warm yet clear tones that made the Philicorda a classic.

Like the original hardware, Philicorda features a vibrato circuit, a spring reverb, and two speakers. We have also added some extra features: overdrive, envelope generator, leakage, bias, and key click.

The Philicorda utilizes a Top Octave Synthesizer circuit, featuring 12 oscillators for the upper octave notes, with 'octave divider' circuits generating lower octaves. This technology ensures that the same notes on different octaves are in sync and won't generate the classic phasing issues of sample-based instruments.
Each oscillator generates a saw-like waveform by layering multiple overdriven sine waves (nearly squares) at different octaves and volumes. The bias controls the mix between these layers.

Installation

macOS

• Double click on the DMG archive to extract it
• Right click on the PKG installer and click open
• Follow the instructions to install the plug-in(s)

Windows

• Extract the ZIP archive
• Double click on the setup file (.exe)
• Follow the instructions to install the plug-in(s)

Linux

• Extract the tarball archive
• Run ./install.sh
• Follow the instructions to install the plug-in(s)

Registration

You can open the registration window by clicking on the icon ☰ next to the bypass button, in the top-right corner.

Online

- If you haven't created an account yet, you can sign up here.
- Just input your credentials into the text fields and click on Log In.

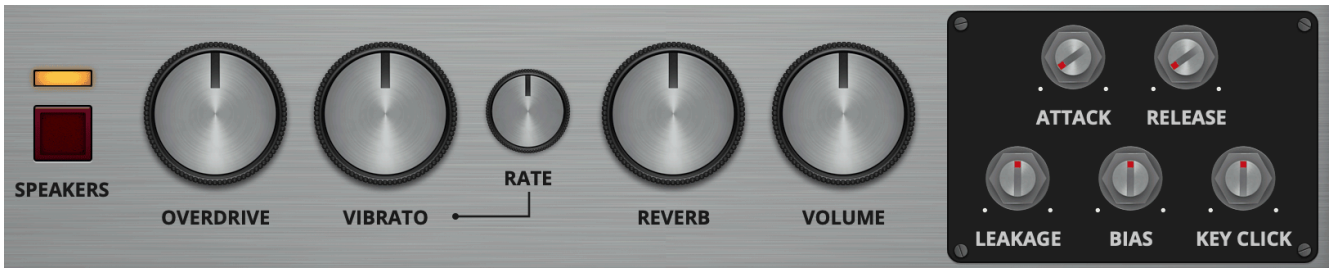
Offline

- Download the license file from your account.
- Just drag and drop the license into the registration window or click on the *Load License File* button and browse to the downloaded license.

Parameters

Top Section

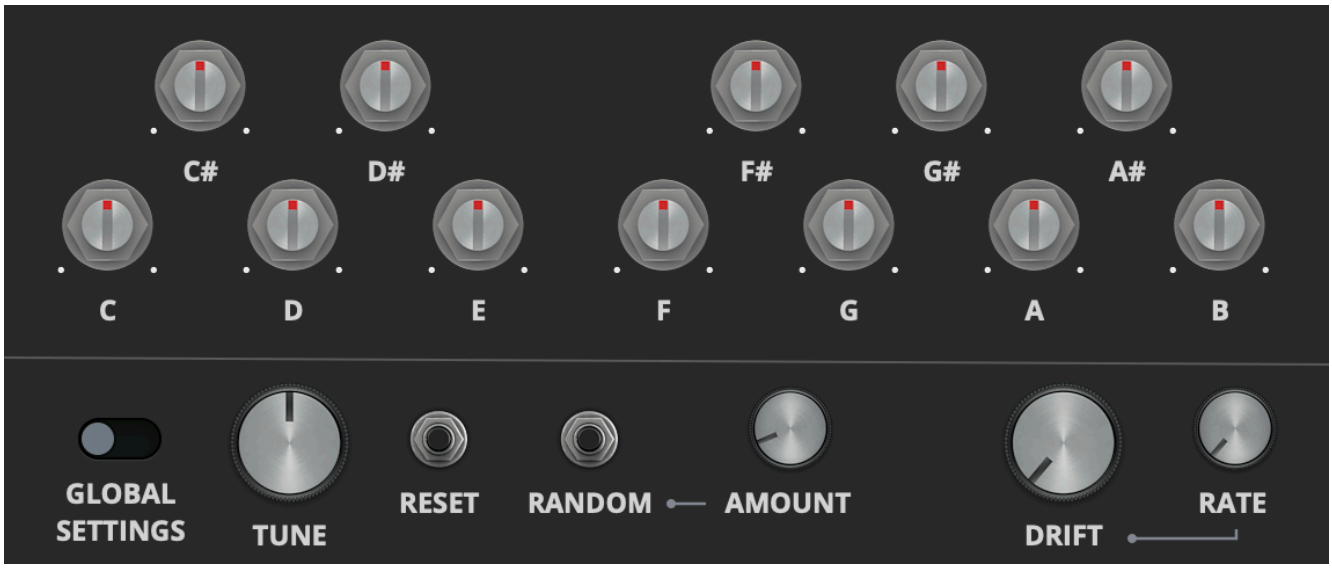
Octaves (8', 4', 2')	Enables/disables the different octaves
VOX (I to V)	Enables/disables the different set of filter(s)
Overdrive	Enables/disables the overdrive emulation
Vibrato	Enables/disables the vibrato circuit
Reverb	Enables/disables the spring reverb



Bottom Section

Speakers	Enables/disables the speakers
Overdrive	Controls the amount of overdrive to apply
Vibrato	Controls the amount of vibrato effect
↳ *Rate*	Controls the speed of the vibrato
Reverb	Controls the amount of spring reverb effect
Volume	Controls the overall output of the instrument

Attack	Controls the attack of the envelope generator
Release	Controls the release of the envelope generator
Leakage	Controls the amount of leakage of the 2’ octave
Bias	Controls the mix between the different internal oscillators
Key Click	Controls the amount of key click emulation



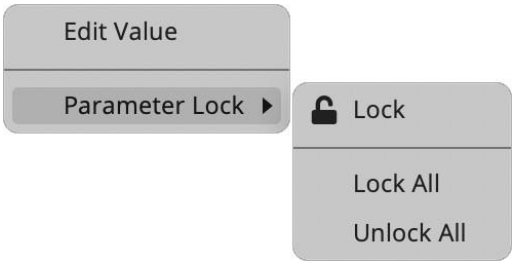
Oscillator Tunings

By clicking on the icon ☰ you can access the Oscillator Tunings. You can adjust the pitch of each oscillator and also the master tune. You can also control the drift, which introduces random changes in the oscillators’ pitch.
If you select Global Settings, the tunings will apply to all instances of the plugin. Otherwise, you can save different sets of tunings in your presets.

Features

Parameter Lock

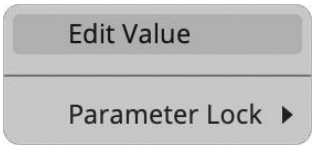
If you want to keep the value of one or more parameters while changing presets, or when using the randomizer button, you can use the *Parameter Lock* feature.
Right click on a parameter and choose *Parameter Lock*.



Lock / Unlock	If locked, the parameter won't be updated when changing presets
Lock All	Locks all parameters
Unlock All	Unlocks all parameters

Edit Value

You can also manually change the value for knobs and sliders. Right-click on a parameter and choose *Edit Value*. You can also access this feature with SHIFT + Click.



By clicking on the icon ☰ you can access additional features.

VOX III Original

If this is enabled, the VOX III matches exactly how the voice works on different models of Philicorda. Most likely a hardware quirk, the original behavior of VOX III follows this logic:
- if octave 2' is not selected, we hear it anyway
- if only octave 2' is selected, volume is slightly lower
- octave 4' and 8' only work when octave 2' is selected, but they also have a lower volume

Keyboard Range Original

Limits the keyboard range to the original Philicorda's range which has only 4 octaves.

Reverb Right Only

The valve Philicorda versions had a distinctive reverb setting, when the reverb is engaged, it is only active on the right channel, leaving the left channel dry. This creates a unique stereo effect. The transistor version lacks this feature and outputs the same signal through both speakers.

Case Sound

If this option is enabled, by clicking on the case in the interface, you can hear a "thump" sound. If the reverb is enabled, you'll hear the spring reverb sound, almost like when you hit the real hardware...which you shouldn't do!

Preset Copy / Paste

You can easily share presets by using this Copy/Paste feature.

Copy to Clipboard	The status of all parameters will be saved to the Clipboard
Paste from Clipboard	Load a preset from the Clipboard

Enable / Disable Notifications

You can enable or disable the notifications for updates and news (shown by the bell icon). This option is global and it will affect all AudioThing plugins.

Swap Mouse Buttons

If you are using the right button as your primary mouse button, the plugin might not recognize it. Use this option to enable it internally in the plugin.
This option is global and it will affect all AudioThing plugins.

GUI Acceleration

You can enable or disable the GUI acceleration supported by your system.

Graphics Controls

This feature allows you to modify the User Interface's Brightness and Contrast.

Window Size

You can resize the plugin window using three predefined sizes (*small, standard, big*).
You can also resize the plugin window by clicking and dragging the bottom-right corner of the interface. Double-clicking will reset to the standard size.

End

Where is everything?

The installer will place the plugins, presets, and other data in these folders.

macOS

AU	*/Library/Audio/Plug-ins/Components/*
VST	*/Library/Audio/Plug-ins/VST/*
VST3	*/Library/Audio/Plug-ins/VST3/*
AAX	*/Library/Application Support/Avid/Audio/Plug-Ins/*
CLAP	*/Library/Audio/Plug-ins/CLAP/*
Data	*/Users/Shared/AudioThing/*

Windows

VST	*custom path from installer*
VST3	*\Program Files\Common Files\VST3*
AAX	*\Program Files\Common Files\Avid\Audio\Plug-Ins*
CLAP	*\Program Files\Common Files\CLAP*
Data	*\Users\Public\Public Documents\AudioThing*

Linux

VST	*~/.vst/*
VST3	*~/.vst3/*
CLAP	*~/.clap/*
Data	*~/.local/share/AudioThing/*

Credits

DSP & Code	*Carlo Castellano*
DSP	*Stefan Stenzel*
Design	*John Gordon*

EULA

Please visit www.audiothing.net/eula/ to review this product EULA.

Thank You

Thank you for your purchase! We hope you will have as much fun using it as we had making this product.
For support, please visit www.audiothing.net/support/
For further help or any questions, please contact us here: www.audiothing.net/contact/

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