



RES-09

User Guide

v1.0

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RES-09

Analog Organ & Strings Machine

The [RES-09](#) is a faithful emulation of a classic analog organ and strings machine from the late 1970s. Though not as widely known as some classic vintage synths, it remains a sought-after gem for its lush ensemble effect, rich divide-down organ tones, and warm analog strings. Our recreation captures the original character while offering modern enhancements, making it an essential tool for vintage-inspired sound design.

You can fine-tune each oscillator separately and shape your sound even further with four effects that you can mix and match to your liking.

RES-09 is available for macOS, Windows, and Linux (VST, VST3, AU, AAX, CLAP, Standalone).

It's also available on the App Store for iOS and iPadOS (AUv3 and Standalone).

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.



The screenshot shows a dialog box titled "Log in to authorize" with a flask icon at the top. It contains two input fields: "Email" with an envelope icon and "Password" with a key icon. Below these is a radio button labeled "Remember me". At the bottom, there is a "Log In" button, a "Forgot Your Pass?" link, and a "Sign Up" link.

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.



The screenshot shows a dialog box titled "Offline activation" with a flask icon at the top. It contains the text "Drop the license file here or" and a "Load License File" button.

Parameters

Main

Organ

<i>Drawbars</i> (8', 4', 2', 1')	Controls the harmonic content of the organ sound, with higher values increasing the volume of each respective harmonic
<i>Organ I & II</i>	Enables or disables two organ voices for different tonal variations
<i>Ensemble</i>	Engages the ensemble effect for a richer, chorus-like sound
<i>Volume</i>	Adjusts the overall volume of the organ section
<i>Pan</i>	Controls the stereo positioning of the organ sound

Strings

<i>Strings 8' and 4'</i>	Controls the pitch registers of the string sound, with 8' being lower and 4' being higher
<i>Ensemble</i>	Engages the ensemble effect for a richer, chorus-like sound
<i>Attack</i>	Adjusts the fade-in time of the strings, useful for smooth pad-like sounds
<i>Volume</i>	Adjusts the overall volume of the strings section
<i>Pan</i>	Controls the stereo positioning of the string sound

Extra

<i>Velocity</i>	Adjusts how responsive the instrument is to MIDI velocity
<i>Bias</i>	Modifies the mix of the internal oscillators for both organ and strings

Tone	Adjusts the tonal balance by controlling an internal highpass and highshelf filter
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Vibrato

<i>Delay Time</i>	Sets how long it takes for vibrato to start after a note is played
<i>Rate</i>	Adjusts the speed of vibrato modulation

<i>Depth</i>	Controls the intensity of vibrato modulation
<i>Wave</i>	Allows choosing between different vibrato waveforms (triangle, square, and sample & hold)

Envelope

<i>Release</i>	Adjusts how long the sound continues after a key is released
<i>Attack</i>	Adjust the fade-in speed of the global envelope
<i>Mode</i>	Defines how the envelope behaves when notes are played: Standard – Natural envelope behavior; retriggers the attack and does not stop notes when playing new ones (not present on the hardware) Keep – Keeps notes in the release phase but retriggers the attack for new string notes (Mode II on the hardware) Kill – Stops notes in the release phase when playing new notes (Mode I on the hardware)

Ensemble

<i>Mode I & II</i>	Chooses between two different ensembles, changing the gain and rate of the internal LFOs
<i>Rate</i>	Adjusts the modulation speed multiplier of the ensemble

Volume	Adjusts the overall output level of the instrument
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Tune

<i>Global Settings</i>	When enabled, it keeps the settings in the Tune page global, meaning these parameters will remain unchanged when switching presets
<i>Tune</i>	Adjusts the overall tuning of the instrument
<i>Drift</i>	Introduces pitch instability to emulate the natural tuning variations of vintage hardware
↳ <i>Rate</i>	Controls the speed of pitch drift fluctuations
<i>Reset</i>	Resets all tuning modifications to their default state
<i>Random</i>	Randomizes the tuning for all notes/oscillators

↳ *Amount* Controls the intensity of random tuning variations
C to B Fine-tune individual notes/oscillators

Effects

RES-09 includes a set of four high-quality effects, inspired by classic gear and designed to complement the synth's character. The effects section features:

Tape Echo, based on our Space Echo emulation Outer Space

Spring Reverb, adding classic vintage reverb

Overdrive, for rich harmonic distortion inspired by classic guitar pedals

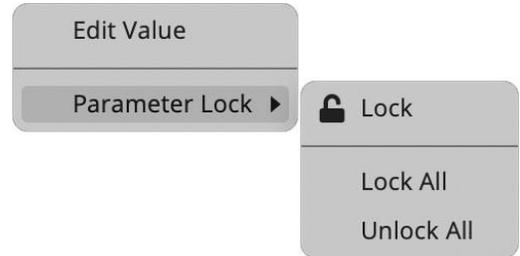
Phaser, delivering deep, swirling modulation inspired by vintage analog phase shifters

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

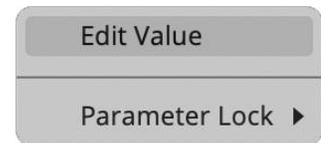
Locks all parameters

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.

BBD Noise

When disabled, the Bucket-Brigade Delay (BBD) noise emulation in the Ensemble section will be turned off.

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.

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 use 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.

The current and default library is OpenGL.

Graphics Controls

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

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

Windows

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

Linux

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

Credits

DSP & Code	<i>Carlo Castellano</i>
DSP	<i>Stefan Stenzel, Ivan Cohen</i>
Design	<i>John Gordon</i>
QA	<i>David</i>
Presets	<i>RM (Ry Manning), SL (Samuel Lindeman)</i>

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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