

# SuccubusEcho Manual

## Introduction

SuccubusEcho is a vintage-style delay/reverb plugin developed by Black Arts Techs.

It combines the warmth of analog tape echo with a unique “Chaos” module that adds organic modulation.

In addition to delay, it includes a plate reverb, allowing you to complete spatial processing within a single plugin.

This manual covers basic operation, advanced usage, troubleshooting, and support information.

Start by loading a preset and experiencing the atmospheric transformations SuccubusEcho can bring.

## 1. Basic Interface and Controls

When you load SuccubusEcho, the following screen will appear.



## Delay Section

- **Time / Sync**  
Adjusts delay time. With Sync enabled, it locks to host tempo in musical note values; with Sync disabled, it uses milliseconds.
- **Feedback**  
Controls the number of repeats. Higher values increase repetitions. A built-in safety limit prevents runaway self-oscillation.
- **Tone (Delay)**  
Adjusts brightness/darkness of the delay signal. Lower values produce a lo-fi, darker tone, higher values create a brighter sound.
- **Width / Crossfeed**  
Creates stereo echo effects.  
Raising Width increases the stereo spread.  
Raising Crossfeed blends left and right repeats, creating a smeared, lush sound.
- **Mix (Delay)**  
Balances dry and delayed signals. At 0% only dry is heard, at 100% only the delay output.
- **Chaos**  
Randomly modulates delay time and stereo offset, creating organic instability. Toggle between “Charm” and “Obsession” modes for different behaviors.

## Plate Reverb Section

- **Decay**  
Adjusts reverb time. Larger values create longer, more atmospheric tails.
- **Tone (Reverb)**  
Adjusts reverb brightness. Lower values yield darker ambience, higher values produce a brighter, airy reverb.
- **Width**  
Controls stereo width of the reverb. Values above 100% exaggerate the stereo image.
- **Rev Mix**  
Controls how much reverb is added to the delayed signal.
- **Rev Dry**  
A button that toggles whether the reverb also applies to the dry signal.  
When Off, only the delayed repeats are affected by the Plate section.  
When On, the dry signal is also processed by the Plate section.

## Master Section

- **Output Trim (Master)**  
Adjusts the overall plugin output level. Range  $\pm 12$  dB, double-click resets to 0 dB.

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## Preset Loading and Saving

From the top menu, you can load factory presets.  
You can also save your own settings via “Save Preset” and reuse them later.

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## 2. Function Details and Applications

- **Tempo-Synced Delay**  
Use Sync with 1/4 or 1/8; SuccubusEcho detects the DAW’s BPM and produces tempo-synced delays.
- **Stereo Crossfeed**  
Set Crossfeed around 20–40% for a wide, blended stereo space.
- **Chaos Modulation**  
Subtle values mimic tape-like warble, stronger settings create unstable, atmospheric textures.
- **Delay + Reverb Combination**  
When Rev Dry is Off, only the delayed repeats are processed by the Plate Reverb, creating dreamy spatial effects.  
Very effective on vocals and guitar solos.

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## Example Settings

- **Vocals:** Time 400 ms, Feedback 20%, Crossfeed 30%, Reverb Mix 20%  
→ Transparent ambience.
- **Guitar:** Sync 1/8, Chaos Low, Feedback 35%, Reverb Decay 2.5s →  
Vintage depth.
- **Snare Drum:** Sync 1/16, Feedback 15%, Chaos High, Reverb Mix 40% →  
Industrial, unstable texture.
- **Synth Pad:** Time 600 ms, Feedback 50%, Crossfeed 50%, Reverb Decay 5s →  
Expansive ambient wash.

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## 3. Troubleshooting

- **No sound output**

- Ensure the plugin is loaded correctly in your DAW.
- Check that Mix (Delay) is not set to 0%.
- **Plugin not showing in DAW**
  - Verify that the install folder is included in your DAW's plugin scan paths.
  - VST3: Mac → `~/Library/Audio/Plug-Ins/VST3`, Win → `C:\Program Files\Common Files\VST3`.
  - AU: Mac → `/Library/Audio/Plug-Ins/Components/`.
- **Delay feedback runaway**
  - Reduce Feedback. The internal limiter prevents infinite oscillation, but extreme settings may sustain for a long time.
- **High CPU usage**
  - Long reverb decays or many instances can increase load. Use track freeze or bounce if necessary.
- **Demo version limitations**
  - Demo inserts 1 second of noise every 30 seconds and displays a "DEMO" watermark.
  - Entering a valid serial unlocks the full version.

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## 4. Support Information

For smooth use of SuccubusEcho, please contact us if you need help.

- **Contact**  
[support@blackartstechs.com](mailto:support@blackartstechs.com)  
 When contacting support, please include:
  - OS version (e.g., macOS 15.6 / Windows 11)
  - DAW name and version
  - SuccubusEcho version
  - Detailed problem description (with steps/screenshots if possible)
- **Official Website**  
<https://blackartstechs.com>
- **Version Information**  
 SuccubusEcho uses version format "Major.Minor.Patch".  
 Example: 1.0.0

- Major = big new feature updates
  - Minor = improvements or small features
  - Patch = bug fixes or stability updates
- You can check the version in the plugin title bar or DAW plugin info screen.