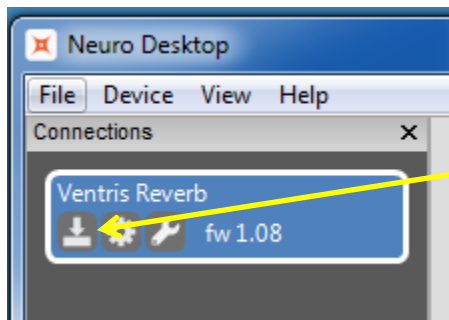# Ventris Dual Reverb Firmware Update Guide and Version History

Introduction

Thank you for purchasing the Ventris Dual Reverb. We at Source Audio are constantly working to maintain and improve its existing products. In order to add new features, reverb engines, or fix functional issues, we will occasionally release firmware updates. Updates for the Ventris are done exclusively through the Neuro Desktop Application.

Connect the 9V power supply to the Ventris and USB to your Mac or Windows computer. Open the Neuro Desktop application and The Ventris will appear in the Connections tab. click the ⬇ (Update Device) button to download the update. If a newer file isn't automatically found, select the option to manually locate a file and navigate to the desired .saxf file on your system. Do not disconnect or power off your pedal while the update is running.

Update Device button

Firmware Version History

Version 1.08

- Initial Public Release

Version 1.09

- Bug fixes related to save/recall of Control knobs in dual modes.
- Bug fixes related to analog bypassing and maintaining settings during preset changes.
- Added feature to prevent clicking on analog dry levels when changing quick from min to max.

Version 1.10

- Fixed Trails/Analog Bypass bug

Version 1.11

- Improved handling of input MIDI PC to recall presets
- Fixed bug related to fast preset scrolling.
- Improved engine mute/unmute scheme for less clicking between engines and presets. Mostly related to coming in and out of cascade mode.
- Fixed Tap Tempo bug in Echoverb
- Swell Hold mode bug fix. Was assigned to wrong function

Version 1.12

- Support for Neuro Desktop
- Added Engines: Outboard Spring & Metal Box

Version 1.13

- Fixed bugs related to importing .pre files with Neuro Desktop
- Added new CC MIDI commands:
  - CC102 – Toggle On/Off state, value doesn't matter
  - CC103 – Recall Preset in OFF State, value is the desired preset to recall
  - CC104 – Recall Preset in ON State, value is the desired preset to recall

Version 1.14

- Fixed bugs related to Option Tap and Option Press and Hold features.
- Added Kill Dry Mode to Hardware Options
- Added Default I/O Routing Option

Version 1.15

- Updated Option Hold and Latch functions to include display of the secondary engine (blinking LED) while the secondary engine is in use.
- Fixed bug related to intermittent "sizzle" sound on Engine Selection.
- Fixed bug related to Bypass while Latching Modes were active.
- Fixed bug related to Output Level restoration on Preset Recall.
- Fixed Plate Engine bug when used as B Engine in A->B Cascade.

Version 1.16

- Pitch shift up/down reversed for negative pitch intervals
- Fixed pitch feedback restoration to correct value after pitch raise/drop function
- Fixed bypass during Reverb Hold bug
- Changing options with during Latch mode will kill current latching function
- Fixed Cascade issues using Echoverb (in Reverb A) and Reverse (in Reverb B)
- Fixed bug related to muting of opposite engine with quick successive holds

Version 1.17

- Add MIDI clock support for Tap Tempo function
- Add Beat Division for Tap Tempo/MIDI clock: quarter, eighth, dotted eighth, triplet, sixteenth
- Add new Routing Option: Stereo Input, Independent A + B processing, sum wet signal to mono ouput. Dry signal comes from Input 1 only.
- New Hardware Option: Force override of preset routing option using auto-detect of plug configurations.   Auto-routing will always take precedent over the preset routing option.
- Addition of Remote Hold Function (CC 97 default) – toggles the selected engine hold option.
- Bug fixes related to engine swapping functionality.
- Bug fixes related to loading of certain dual engine presets combinations.

Version 1.18

- Minor Auto-Routing bug fix related to Mono-In, Stereo Out mode.

Version 1.19

- Bug fix related to Neuro Desktop/Neuro Hub interaction. Users who will be editing Neuro Hub scenes with the Neuro Desktop editor will need this update for the Ventris to work properly when being edited through the Hub.

Version 1.20

- Made Single Mode engine hold and swapping more consistent across different combinations. For any single mode now, when swap or hold are used the opposite engine is automatically enabled and displayed with a blinking LED on the effect dial.
- Minor bug fixes

Version 1.21

- Implemented improvement to reduce pops and clicks when switching between Parallel and Cascade modes as well as preset loading.
- Fixed bug related to expression control of Reverb Send parameter in Single Modes.

Version 1.22

- Improved Neuro Mobile compatibility with some newer Android devices.

Version 1.23

- Add MIDI Parameters for simultaneous controls of A/B MIX and A/B OUTPUT when using Dual Reverb modes.

Version 1.24

- Pitch Hall to the Size control when using the SHIMMER engine.
- Fix OUTBOARD SPRING stereo input routing.
- Set tremolo tap as default mode when tap function is used for engine switching so MIDI clock will still function.

Version 1.25 – 7/28/2022 release date

- Support added for direct USB connection with Neuro Mobile
- Fixed issue where preset names would be overwritten when saving a preset on the pedal using the SAVE button. Preset names are now retained.
- Added new hardware option to skip using the Neuro Hub expression input when the Hub is connected. Instead the onboard expression input will always be used.
- Other improvements and fixes