Physis Plus Organs
Version History

CURRENT O.S. RELEASE: 1.5.0 (21/05/2024)
Required Editor version: 1.1.3

Improvements

- The Reverb model has been redesigned and improved, all reverb presets have been revised, updated and parameterized in an optimal way. Each reverb preset is ready and functional upon simple recall, without the need to modify its parameters (which are however always available). The new reverbs are denser, have no resonances, are smoother.
  Warning: due to the incompatibility of the new reverb model with the previous parameterization, the previous user parameters of the reverb presets will be reset.

- New Sysex MIDI output controls associated with the SET, PREV, NEXT pistons useful for using external VPOs

- Improvements in the update process and in the communication protocol with the Editor

RELEASE: 1.4.0 (21/03/2024)
Required Editor version: 1.1.2
Orchestra Soundbank 1.3

Implementations

- Support for the Viscount DANTE digital audio interface (**optional, only available for Opera line organs**). Dante is the de facto standard digital audio networking solution, using standard IP infrastructure to network devices, and making interoperability easy and reliable. It distributes uncompressed, multi-channel digital media via standard Ethernet networks, with near-zero latency and perfect synchronization. The Viscount DANTE digital interface can replace multiple analog cables with a single, cost-effective Ethernet cable to transmit high-quality multi-channel audio (up to 32 channels), safely and reliably
- First release supporting the Cantorum Trio Plus portable organ
- Sequencer MID & LST files can be transferred from / to internal memory and USB flash drive (Copy option)

Improvements

- Mouth modelling improvement in Flue Pipes, resulting in even more realistic attack transient emission. The improvement mainly concerns the sound of large Principal pipes (low pitch) where the overtone is greater

Revisions

- "Reverb Tail" becomes "Diffusion" in LCD and Editor (for a better understanding of the parameter)
- Orchestra Soundbank 1.3: organ slow/fast fixed dynamics in all notes
- More robust flash/usb pen filesystem write. Improved phx file detection and validation

- More robust Orchestra update procedure
- Some minor bug fixes

RELEASE: 1.3.0 (25/01/2024)
Required Editor version: 1.1.1

Implementations

- Introduced a simple wizard for configuring external outputs. For simple installations this avoids having to use the Editor
- A management policy for repeated notes has been implemented (defined as "re-NoteOn") to better simulate the complexity of the behavior of the organ pipe in initial conditions dependent on the previous state of the pipe itself

Revisions / Refinements

- Improved the 'wavering' of the voices to better simulate the small deviations in pitch, due to the not always perfectly constant air flow, which occur randomly during the evolution of the note
- Main page: Crescendo/Swellboxes drawings refactoring
- Improved diagnostics, peripheral micros serial errors: popup in main page
- Voicing page: added scroll on page title with +/- to change stop
- Upgrade: "Please wait" popup during file validation to avoid false error reports

Fixes

- Cantorum Duo Plus random boot failures

RELEASE: 1.2.2 (29/11/2023)
Required Editor version: 1.1.1

- Some minor tweaks to handle various Crescendo/Expression pedal configurations on the main page for new models
- Improvements to the factory programming procedure

RELEASE: 1.2.1 (20/11/2023)
Required Editor version: 1.1.1

Improvements

- Improved the stability and robustness of USB communication with the Editor
- speeded up the turning on of the display

Fixes

- Random panning of some orchestral voices, fixed

RELEASE: 1.2.0 (30/10/2023)
Required Editor version: 1.1.0

Implementations

- First release supporting the Cantorum Duo Plus portable organ
- Songs and song Lists can be deleted via the appropriate display menu
- Introduced MONO mode for windchests on external outputs

Fixes

- Orchestral voices now correctly muted when in local-off
- Orchestral voices now correctly routed to external outputs
- Changed the default value of the MIDI channels
- Songs and song Lists not deleted on factory reset request
- Celeste type: corrected +/- sign on LCD

RELEASE: 1.1.1 / 1.1.2
Required Editor version: 1.1.0

- These versions contain only improvements to the testing procedures and implement several new organ models

RELEASE: 1.1.0 (24/07/2023)
Required Editor version: 1.1.0

Implementations

- Sostenuto page in KEYBOARDS menu
- Auto Main Page in UTILITY menu
- Orchestral voices in combinations
- Service parameter for after sale additional ext out
- Pipes/digital state in HR

Improvements

- Organ Lock management
- Combination & Pipeset pages review
- Zimbelstern parameters - show only appropriate
- Flue / Detuned Flue pipes: Character range doubled
- Sequencer pages management
- Swellbox range & filter are now section parameters in pipeset
- Ranks Balance parameter for Mixtures
- Combination lock: editor link, factory setting, and major combination operations are forbidden
- Swellshoes movement management with acceleration

Fixes

- Organ Lock management
- Sustain pedal OFF when pipeset/voice changes
- Pipeset change: realign swellboxes
- Pipes/digital in combination not displayed if VPI is not installed

RELEASE: 1.0.x

- These versions were created to gradually introduce support for new organ models, to improve testing procedures and to fix some bugs.

RELEASE: 1.0.0 (14/03/2023)

- First production release