Physis Plus Organs
Version History

CURRENT O.S. RELEASE: 1.10.7 (30/06/2026)
Required Editor version: 1.2.2

- It is now possible to upload/copy manual voices to the pedal. You need to use Physis+ Editor version 1.2.2
- Improved display of V-meters in the Main Page with a filling rectangle
- Keyboard Scanner app: revised LED sequence at boot
- Bug fix: Tremulant sysex MIDI message correctly sent with the Editor linked

O.S. RELEASE: 1.10.5 – 1.10.6
Required Editor version: 1.2.1

- These versions were used to implement specific functions needed for some customizations

O.S. RELEASE: 1.10.4
Required Editor version: 1.2.1

- Speeded up handling of input data from the MIDI IN port

O.S. RELEASE: 1.10.3
Required Editor version: 1.2.1

- COMBINATION flag to use SET+PREV/NEXT for prev/next general combination store
- COMBINATION CLEAR: two options, BANKS CLEAR which only clears general and divisional combinations and TOTAL CLEAR which also clears the contents of crescendo, tutti, plenum, reed
- LOCAL OFF settings available in MAIN MENU LCD page only, removed SET+CANCEL to enter LOCAL OFF mode from main page, to avoid accidental setting
- Ext Out Wizard: better ENTER management to confirm

O.S. RELEASE: 1.10.1 – 1.10.2
Required Editor version: 1.2.1

- These versions were used to implement specific functions needed for some customizations and to fix minor bugs

O.S. RELEASE: 1.10.0 (06/02/2026)
Required Editor version: 1.2.1

Implementations

- For the MIXTURE voices, the Ensemble Rescale parameter can now be adjusted, via the Editor, differently in the upper and lower parts of the keyboard, increasing/decreasing the main value
- For the FLUE PIPE voices, the resolution of the general NOISE parameter adjustment via the Editor has been tripled (+/- 12 instead of +/- 4)
- For the Cantorum line only:
    - New AUTO DETECT function (UTILITY -> SHOES PEDALBOARD) for automatic detection of connected Pedalboard and Crescendo / Expression controls and their relative MIDI channels and CC, or RTS/TRS in the case of analog pedals
    - Split point on Cantorum UNO extended to the entire keyboard which can thus become a single manual - the other manual can be played via MIDI
    - Improved MIDI handling of expression pedals

Improvements

- With a long press of the rocker tab (or drawknob) you can directly access the voicing parameters of the borrowed stops
- A small symbol has been introduced in the "levels" screen to indicate that headphones are inserted
- Added in the LOCK ORGAN -> USER PARAMS function, the adjustment of the divisional volumes
- After successful connection with the Editor, the MIDI TOs are automatically turned on, to see the notes played by the organ

Fixes

- Incorrect deactivation of some parameters of the orchestral voices, when passing through a memory containing the Zimbelstern

WARNING
Due to a change in the structure of the voice models, from this version 1.10.0 the previous ".vcp" files are no longer compatible

O.S. RELEASE: 1.9.1 – 1.9.2
Required Editor version: 1.2.0

- These versions were used to implement specific functions needed for some customizations and to fix minor bugs

O.S. RELEASE: 1.9.0 (08/08/2025)
Required Editor version: 1.2.0

Implementations

- New implementation of the EQ filter section on external outputs, available only for the **Opera** and **Ouverture** organ lines, with the selection via Physis+ Editor of parametric filters instead of graphic filters, with different filter types for each filter and output.

- New: implementation of a channel delay, available only for the **Opera** and **Ouverture** organ lines, for each external output, programmable via Physis+ Editor up to 90 msec.
- MIDI implementation expanded with the following new features:
    - added receiving sysex messages for controls: PREV, NEXT
    - added receiving PC and CC messages as per transmission in "Fixed Mode": they are now also received with the same format used in transmission, based on a preset MIDI message setting - combination number/type. The previous receiving methods are preserved

Fixes

- Physis+ Editor handshake reviewed for heavy operations
- Revised the strengthened handshake for loading Timbre onto DSP modules

O.S. RELEASE: 1.8.1 – 1.8.3
Required Editor version: 1.1.6

- These versions were used to implement specific functions needed for some customizations and to fix minor bugs

O.S. RELEASE: 1.8.0 (26/03/2025)
Required Editor version: 1.1.6

Implementations

- This is the first version that offers full support for the **Maestro** line of organs.
- New implementation of the Reverb Algorithm (“AcuSphere”, available exclusively on the **Maestro** line) which includes a new parameter called "Distance", through which the distance of the sound source from the listener is adjusted
- New function to simulate the position in the stereo panorama (internal amplification) of the windchest for each division, available on the **Maestro** and **Opera** organ lines
- Phones Pan (PHP) available in LEVELS page with which it is possible to adjust the width of the stereo panorama in headphones
- New Total Organ Lock except combinations option in LOCK page, which prevents the modification of all the instrument settings (with password) except combinations
- Internal pan gradually fading to center for notes < 65 Hz, for better acoustic performance

Improvements

- MIDI implementation expanded with the following new features:
    - added sysex messagese for controls: SET, CANCEL, PREV, NEXT
    - added “Fixed mode” for PC and CC messages: always transmitted at each combination recall, based on a preset setting of MIDI message – combination number/type
    - added option whether to send double notes in case of coupler, or the coupler sysex without notes

Fixes

- Resolved MIDI USB device TX malfunction when cable is disconnected
- Fixed external output level drop when switching from flat to lowpass filter on external outputs programmed in "SUB" mode
- Improved polyphony management on the Cantorum Trio model

O.S. RELEASE: 1.7.1 – 1.7.4
Required Editor version: 1.1.5

- These versions were used to implement specific functions needed for some customizations and to fix minor bugs

O.S. RELEASE: 1.7.0 (07/01/2025)
Required Editor version: 1.1.5

Implementations

- Complete MIDI IN/OUT/THRU routing, added USB Device #2 as MIDI port
- AUX IN Volume control
- Clear Transposer on Cancel (new flag)
- Orchestra velocity and note range in pipesets and combinations
- Editor only: Tremolo fade in/out parameter to simulate the behavior of real organ tremolo where the effect takes a few cycles to stabilize (both in frequency and amplitude)

Revisions

- Wind sensitivity effect mitigated for high values
- Pipeset Change piston disabled on Total Lock
- More headroom (12db) on audio levels
- Editor: reverb sliders now respond immediately
- Editor: added parameters for orchestra editing
- Editor: GUI fixes and mod

O.S. RELEASE: 1.6.2 (09/10/2024)
Required Editor version: 1.1.4

Fixes

- Orchestra/VPI boot conflict
- Incorrect Serial CRC popup removed

O.S. RELEASE: 1.6.1 (30/09/2024)
Required Editor version: 1.1.4

Fixes

- DANTE ext volumes: sound modules set to 0 dB, eq forced to flat

O.S. RELEASE: 1.6.0 (05/09/2024)
Required Editor version: 1.1.4

Implementations

- First release supporting the Cantorum Uno Plus portable organ
- Import and export of individual Viscount Pipe Sets via USB PEN on the same organ model (it is not possible to transfer Pipe Sets between different organ models)
- Support for an expansion board with 4 external outputs on the Domus line models
- Added “Automatic Pedal Last Key” as a user parameter

- Implemented MIDI communication protocol on USB device port (To Host)
- A.P. adds the new PD/KB + P.A.P. mode (read the user manual for details)

Improvements

- Increased the level control range on external outputs to +/- 18dB (via Editor)

O.S. RELEASE: 1.5.1 (16/07/2024)
Required Editor version: 1.1.3

Implementations

- Implemented a new Organ Lock mode (Entire Organ) which prevents the modification of all the instrument settings (with password)

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

O.S. 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

O.S. 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

O.S. 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

O.S. 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

O.S. 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

O.S. 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

O.S. 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

O.S. 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.

O.S. RELEASE: 1.0.0 (14/03/2023)

- First production release