



Sound Generation

Powered by Physis®

Physis® Physical modeling is what makes these organs so unique. This technology involved an enormous amount of research and development – and the result is truly innovative instruments which redefine “state of the art”. The sound generation in the entire Unico series uses Physis® technology - which builds sound through modeling technology – NOT storing samples like the 20+ year old technologies of our competitors. Physical modeling rebuilds all the elements of sound through complex algorithms – right down to the smallest imperfections. These are the ingredients which give the original instrument its character and warmth. Physis® technology reproduces the sound in REAL TIME just like it was created through a windblown pipe organ – with each sound having it’s own unique character. There are no ‘breaks’ and ‘split-points’ as you find in sampling, so the progression of the sound across the keyboard is accurate, smooth and natural. The development and refinement of the algorithms in physical modeling help make Physis organs the best in the world – and a new definition of ‘state-of-the-art’!



Keyboard

“Tracker Touch” style keyboard

Knowing the importance of the classic-organ keyboard, we’ve taken the utmost care in selecting the absolute best components. The mechanics of the keys gives the impression of a true “Tracker Action”, by obtaining the speed of actuation of the keys – making it possible to feel the “Tracker Touch” effect. i.e. the correlation between the “touch” of the organist and the transient attack of each virtual pipe. The keyboard is not only comfortable and consistent to play, but also

dynamically sensitive, which is useful for the MIDI and Orchestral sounds – but also essential to provide the “Tracker Touch” effect.



Connections

Complete Connections

A complete selection of external connections is smartly situated. In addition to Standard connections (MIDI In, Out, Thru; Headphones, stereo inputs), there's a microphone with gain control, 4 external multiple outs + Sub – with the option to expand these to 12+1(Sub). There are also USB host and Device connections.



For the USB Host connection, it's possible to use a thumb drive to save and upload sound settings. For the USB Device connection, you can connect to a PC to personalize all aspects of the organ. With the Optional “Physis Editor” for PC, you can modify every single register for every single note – including volume, pitch, spacial disposition – and many other parameters.



User Interface

The knobs, tabs, pistons and display provide super efficient control of the entire instrument.

The Buttons and tabs to turn registers on and off, the pistons and all the other commands are ergonomically designed to respond quickly and easily to the demands of the user. The display is conveniently located on the side panel (in the center of the CLV 7, Unico 300, 400, 500, 700, and in a sliding drawer for the Unico 800) with it's own set of designated controls. The layout is smartly integrated with the instrument to allow unlimited possibility and personalization at the user's fingertips.



Pedals

Two Expression Pedals

The two expression pedals provide a fluid and precise movement – allowing complete control of the volume for Manual II, the volume for Manual I – as well as the pedals.