

## Modartt releases virtual pipe organ Organteq



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### Three years of research

Modartt, the producers of the award-winning physically modelled software instrument Pianoteq, has spent the last three years developing a virtual organ instrument based on the most advanced physical model reproducing the "heart" of the complex flue and reed pipes physics: the nonlinear interaction between the vibration of the air in the pipe and the "exciter" (air jet striking the labium for flue pipes, beating reed for reed pipes). The aim was to produce a more vivid and effective music instrument than the current state-of-the-art.

### Physically modelled

Organteq does not rely on samples: the sound is created in real time from scratch using a refined physical model. Even the action noises from keys, stops and couplers are there. The pipe attack transients "chiff" are accurately reproduced with their typical variability, bringing more realism in attack, sustain and release. The spatial configuration of church organs is reproduced as well: pipes are located in space according to their associated keyboard. All this makes the instrument livelier than sample based variants.



### Organteq features

- Organteq offers over a thousand pipes, inspired from Cavallé-Coll's organs, assigned to three manual keyboards with a five octaves range, and one pedal keyboard with thirty-two notes. Tuning and volume can be adjusted note per note.
- With its MIDI learn feature and convenient MIDI mapping, Organteq provides an easy connection between hardware and real time software actions.
- An organ is a complex instrument by itself. Special efforts were made to provide an interface easy to use by non-organist musicians.
- The reverb module offers parameters to vary the ambience, from a pure anechoic dry sound to a giant space wet sound.
- Contrarily to sample based libraries using gigabytes of storage, Organteq file size is only 15 megabytes.
- Organteq is available for MacOS (10.7 or later), Windows (7 or later) and Linux (x86), both as a standalone instrument and as a 64-bit plug-in for AU and VST hosts.



### Listen and Download

Visit [organteq.com](http://organteq.com) to read more about Organteq features, watch an introduction video, listen to audio demos and download a free trial version.

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