



Organtechnology™
Virtual Pipe Organ Systems

Organtechnology™ Virtual Pipe Organs

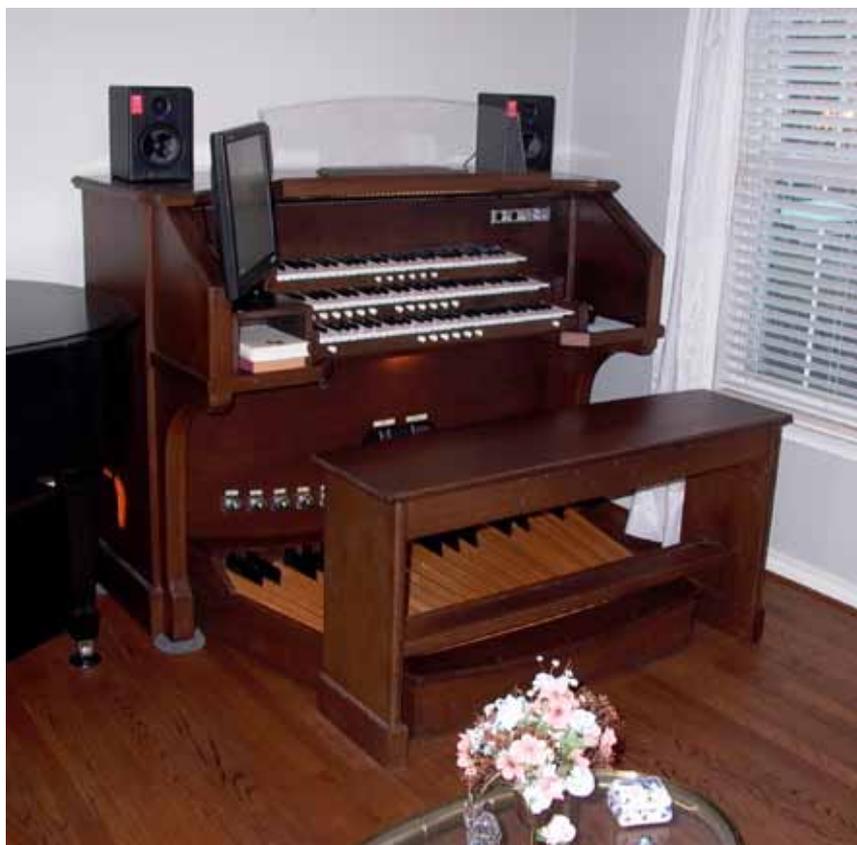
Thank you for taking time to look. Organtechnology brand Hauptwerk software based Virtual Pipe Organs (VPO) put the sounds and ambiance of real wind driven pipe organs within the reach of organists everywhere. The Organtechnology VPO is especially suitable for home or studio use because of the extreme realism of the pipe organ sound and its personal affordability.

The following are examples of Virtual Pipe Organ configurations we have built for clients.



Example 1. A professional organist's practice instrument.

Designed as a professional organist's practice instrument, this Organtechnology VPO is a new all wood console in Cherry finish containing Classic Midi Works keyboards and pedalboard with three expression pedals and eight toe-studs. The console is hand crafted for three keyboards but it can hold as many as four manuals plus pedalboard. The computer compartment provides access to the front of the computer for ease of license key insertion and DVD operations.



Example 2. An Organtechnology VPO in a re-purposed console.

This Organtechnology VPO is housed in a re-purposed solid wood console from a major organ manufacturer. The original pedalboard, thumb pistons, toe-studs and metal expression shoes were retained and are fully integrated into the new system.

The Organtechnology Sound Engine powered by Hauptwerk resides inside the organ console. It uses two of the eight channels of audio for the organ pipe sounds and two channels of headphone audio with all channels mixed to headphones. The current complement of speakers includes two M-Audio BX-5a and an SBX-10 sub-woofer.

The main sample set is the 50 rank Evensong First Baptist Riverside Schantz. Additional sample sets include the 30 rank Anglican Parish organ of St. Anne's Birmingham and the Paramount 3/10 theatre organ.



Example 3. Creating your own personal practice organ.

We begin with a solid wood console designed for Organtechnology by Wolf Blauen of Texas Timber Wolf and then select the organ (s) you want to play from the hundreds of available sample sets. Then, within the constraints of two touchscreens, four manuals, sixteen toe-studs and 64 thumb pistons, select the manuals in number and style as desired. Additionally specify the thumb pistons by quantity and division and also the toe-studs. Finally we need to know the environment in which it will be played. We will then create a VPO design tailored to fit your needs for a home or practice organ.

In all of our designs, the Organtechnology Sound Engine, powered by Hauptwerk, provides the pipe organ sound for Baroque, Romantic, English, American and Theatre sample sets. The sound system then utilizes 2 to 48 channels of audio for the organ pipe sounds and of course headphone audio is included. The organ can have up to 24 stereo pairs and multiple sub-woofers but a single stereo pair and a sub-woofer is the most basic.

Frequently Asked Questions:

Q. What is a Virtual Pipe Organ anyway ?

A. A Virtual Pipe Organ is an electronic instrument where the sounds of each pipe in a real pipe organ are captured in digital recordings and assembled into a large data file which is then used by the Hauptwerk software to recreate the sound field of the pipe organ as the organist plays the keys of the console. This means Hauptwerk is a recorded organ system rather than a synthesized (digital or analog) organ. This technology allows a realism of sound reproduction that was not obtainable before.



Q. What is a Sound Engine ?



A. The Organtechnology Sound Engine is a customized Intel PC which receives the MIDI information from the console's keyboards, pedalboard, and controls and provides the processing power for Hauptwerk to recreate the sounds of the pipe organ. The Sound Engine also provides the organ pipe sounds to the external audio system in order to recreate the original organ sound.

Q. Can I simply turn on the instrument like a pipe organ and just play ?

A. Yes you can. An Organtechnology VPO can be configured to provide complete control from only the controls of the console, from the touch screens or both. But in either case it can be ready to play in only a minute or two, from the time the switch is turned on.

Q. Must I use the computer screens and a mouse ?

A. Certainly not! It is possible to control all of the stops, thumb pistons, registrations and turn on/turn off functions just as a pipe organ would do. The VPO can be configured where the computer system is invisible and the console utilizes standard pistons, stop-tabs or drawknobs rather than a touchscreen interface. Shown here is a pipe organ console with MIDI being used with an Organtechnology Sound Engine without the pipes.





Q. What are the advantages of Virtual Pipe Organs ?

A. First and foremost extraordinarily Authentic Pipe Organ Sound, plus Lower Cost, Flexible Options, High Quality Construction, State of the Art Technology, Expandable and Upgradeable.

Q. What kind of sample sets are available ?

A. Sample sets in many genres and styles of organ building are available. American, German, English, Dutch, French and many others. These include “Wet sets” including the room acoustics and “Dry” samples which exclude room acoustics. Dry sample sets depend on the natural reverberation acoustics of the room in which the organ is played or the use of additional software/hardware to achieve the desired reverberation.



Q. Can I fit an Organtechnology VPO through my music room door ?

A. The Organtechnology AGO console shown in this picture is a modular unit that will easily fit through even a 24” interior door. Once in the room it requires only a cross point screw driver to assemble everything. Fully assembled, the entire VPO fits inside a rectangle 62” wide by 60” deep.

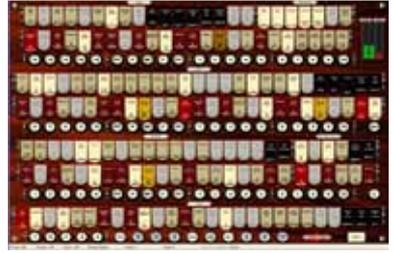


Q. Once my Organtechnology VPO is installed, can I modify it ?

A. Yes you may modify and expand many things on your VPO. The easiest to change is the organ sample set. These can be changed so easily that many people have several loaded on their VPO. The next most popular upgrade is multiple touch screens. More keyboards may be added to the stack and more toe-studs can be accommodated.

Q. Can I play Theatre Organ sounds from my Hauptwerk Organ?

A. Yes, we can easily provide Theatre Pipe Organ sounds for any Organtechnology Sound Module plus MIDI console and we can also provide VTPO capability for any Hauptwerk console we might construct. A Wurlitzer style horseshoe console is available. Please contact us for details and a quotation.



Q. Will my virtual pipe organ have a warranty?

A. Yes. Organtechnology instruments carry a limited five year parts and labor warranty. Plus, even though an Organtechnology VPO will last a very long time and the sound engine computer is a very powerful one, the future will certainly continue to bring more power at less cost. This means that, if desired, the entire sound engine computer could be upgraded with a more powerful machine at a reasonable price.

If you have additional questions, please don't hesitate to contact us at:
info@organtechnology.com.

VPO Organtechnology, LLC

VPO Organtechnology, LLC specializes in Hauptwerk based Virtual Pipe Organs (VPO) for organists for their pleasure and practice. We take carefully selected hardware from around the world and assemble it into an instrument that is unique to your needs. This hardware includes an Organtechnology Sound Engine which provides all the needed computer and sound generation support for Hauptwerk, the world's most advanced Virtual Pipe Organ.

Organtechnology offer a variety of products and services:

- Complete Virtual Pipe Organ Systems with hand crafted consoles.
- Organtechnology Sound Engines for those who already have a MIDI console and we install and support them via remote desktop software.
- Accessory items such as touchscreen monitors, toe-studs with wiring, and thumb piston rails for your existing instrument or DIY project.
- Consulting and project assistance services via remote desktop software.

<http://www.organtechnology.com>

email: info@organtechnology.com

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