

Piteå School of Music (Grönlund organ) V. 2.0

Soundfont and Dispositions for jOrgan 3.19



Information about the Piteå School of Music organ can be found in "index.html" in the "OrganInfo" folder in the download package.

The jOrgan disposition and soundfont were prepared by Paul Stratman. Sounds and graphics from the GrandOrgue version are used by the kind permission of Lars Palo, and in keeping with his Creative Commons Attribution 2.5 Sweden License.

The GrandOrgue version of the Piteå School of Music organ can be downloaded from Lars Palo's website: <http://www.familjenpalo.se/vpo/download>

About the soundfont and jOrgan disposition

The soundfont is a reduced version of the sampleset. All ranks use the C, E, and G# samples, stretched to replicate their neighbors.

The Swell ranks for Oboe 8' and Trompette Harmonique 8' have been extended down one octave so that the Sub-Octave couplers will not run out of notes for these dominant ranks.

This disposition has an "endless sequencer." The sequencer cycles through the general combinations. After it reaches the last general combination, it recycles to combination one and advances one memory level. In this way you can continue to advance through an almost unlimited number of combinations across several memory levels. The "endless sequencer" only works forward.

Reverb

A simple Fluidsynth reverb system is built into the disposition. The Fluidsynth reverb button on the console turns the effect on or off. It can be adjustable using continuous controls and R0 and R1 combinations which are hidden behind the picture of the organ. Due to the limitations of Fluidsynth reverb, it is highly recommended that convolution reverb or other hardware or software reverb simulators be used with this sampleset and disposition.

External Reverb Controls

The disposition features MIDI links and controls for external reverb devices. I own an Alesis Midiverb 4. The “External Reverb” window scrolls through several settings on the Midiverb 4. The “Edit A” and “Edit B” controls correspond to the controls on the Midiverb 4. The combinations with an “E” save the programs and the Edit A and Edit B settings for future use.

Flexible Wind

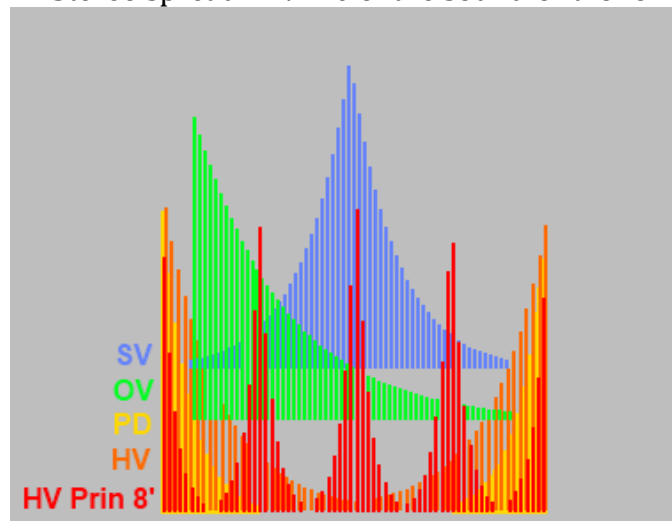
The Flexible Wind simulation is a key activated momentary pitch drop that simulates the instability of wind in the wind chest and its effect on pipe speech. On the pressing of a key, the pitch of most ranks will dip slightly. This gives a better illusion of a wind-driven instrument and also breaks up the constancy of a recorded organ pipe sound. Flexible Wind is a phenomenon observable in pipe organs. There is an indicator near the Flexible Wind switch that will flash when any keys are depressed. For Flexible Wind to function, all MIDI devices must be registered in the jOrgan MIDI merger. Flexible Wind will detect key activity in MIDI channels 1 through 6. (The Creative disposition does not have Flexible Wind simulation.)

Soundfont and Disposition for jOrgan



The soundfont makes use of the many features of the Polyphone (www.polyphone.fr) soundfont editor, employing a number of techniques for realistic production of organ sound. The soundfont applies settings for effects of stereo spacialization, randomized tuning, measured and modulated releases, and note-by note volume adjustment. A modulated tremulant effect was also employed to create a tremulant with special depth and pitch variances.

Stereo spread in V. 2.0 of the soundfont follows this schematic:





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