

Bureå Gravkapell Organ V. 2.02

Soundfont and Dispositions for jOrgan 3.20



This organ was built in 1990 by Johannes Menzel Orgelbyggeri AB for the funeral chapel in Bureå , Sweden.

The recording of the samples was done in December 2009 by Lars Palo with an M-Audio Microtrack II and the enclosed stereo condenser microphone. The recording settings were stereo 16 bit and 44100 Hz samplerate. The original creator can be contacted on larspalo@yahoo.se. The original disposition and sample set for this organ can be downloaded from Lars Palo's website: <http://www.familjenpalo.se/vpo/download>.

In version 2.0, three samples were used per octave. All samples were left at their full length. New methods for a modulated tremulant and swell frequency reduction (muffle) were also used. In version 2.01, a new method for flexible wind simulation was employed.

The original specification of the organ is:

Manual (56 notes, C-g3)

Salicional 8' (B+D)
Gedakt 8' (B+D)
Voix Celeste 8' (B+D)
Rörflöjt 4' (B+D)
Principal 2' (B+D)

Pedal (27 notes, C-d1)

Subbas 16'
Man/P

The jOrgan dispositions include "Original" which uses a single keyboard, split at B2/C3. A second disposition has two keyboards that may be registered independently. The 2MP (for 2 manual and pedal) disposition also has two additional stops on each manual, Kvinta 2 2/3 derived from the Rörflöjt 4' and Principal 2', a Ters 1 3/5' derived from the Principal 2, and an 8' Gedaktbas extension for more independent parts in the pedal.

All ranks except the pedal Subbas/Gedaktbas are "enclosed" and use the swell pedal to control volume. A mild stereo effect has been applied to all ranks.

Reverberation

For reverberation, I would recommend a small church reverb setting. Some appropriate EAX settings (Creative Soundblaster) are included in a folder in the download package. For users of

convolution reverb, I recommend the “Small Church Schellingwoude” impulse response, which can be downloaded here: <http://fokkie.home.xs4all.nl/Files/Church%20Schellingwoude.zip> (More information and other impulse responses are also available here: <http://fokkie.home.xs4all.nl/IR.htm#Schellingwoude>) If no soundcard or convolution reverb is available, use the settings for Fluidsynth reverb included in the disposition.

External Reverb Controls

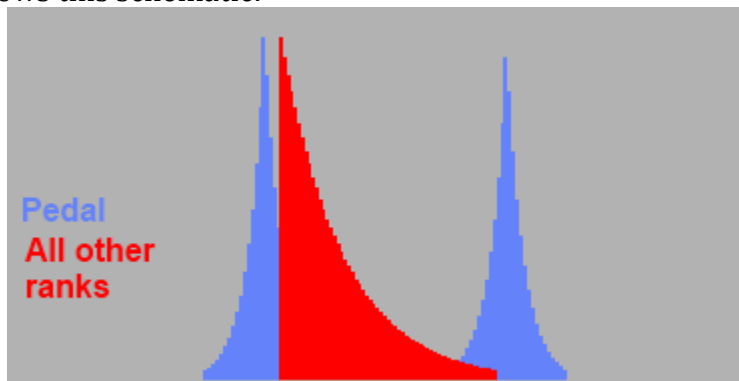
The dispositions in version 1.06 feature MIDI links and controls for external reverb devices. I own an Alesis Midiverb 4. Midiverb 4's Program 106 will be activated when the disposition loads. This can be changed by the user in edit mode. The “Edit A” and “Edit B” controls correspond to the controls on the Midiverb 4.

Flexible Wind Simulation

Flexible Wind is a key activated pitch drop that simulates the behavior of wind in a wind chest. A slight, momentary variance in volume and pitch can be heard as the air is unstable for a moment when new keys are depressed. For the simulated “Flexible Wind” to operate, the jOrgan MIDI merger must be used. Any activity in MIDI devices using channels 1 through 5 will be detected.

Stereo spacialization

The soundfont was edited with the Polyphone soundfont editor (www.polyphone.fr). Polyphone makes possible precision adjustment of releases and stereo panning. V. 1.07 of the soundfont follows this schematic:



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