

## Cronenbourg St. Florent

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### G.F.Walther Continuo/Choir pipe organ model for jOrgan v3.14 on windows systems

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This is an updated version of "Cronenbourg" disposition for jOrgan 3.14 latest official version, trying to use many improvements introduced to this fine software from Sven Meier, since the first model (3.10/2010) of St. Florent's small choir organ.

#### What's new :

Many different disposition models to allow users to adapt the model to their systems and their taste.

1. **FS\_DS**. Standard fluidsynth with direct sound driver. May be in need to adjust buffer size, number of cores and sample rate from my settings to get a good sound in harmony with your system's settings.
2. **FS\_WASAPI**. Fluidsynth engine with win7 WASAPI driver for lower latency. Caution here : sample rate must be the same with your sound card's settings ! Else fluidsynth will not work !!
3. **FS\_ASIO**. Fluidsynth with Asio4all driver for the ultimate sound. Set buffer size/rates/cores in accordance with your system.
4. **FS\_JACK**. Fluidsynth with Jack Portaudio driver to connect jOrgan with many other audio apps in your system and mainly to add VST reverb (with SaviHost). Jack Router must be opened first ! Then jOrgan, then the SaviHosted VST reverb, setting device to Jack Router and finally Jack Control to connect them all.

5. **FS\_ReaRoute (Asio)**. This is for REAPER users, wanting to record pro with jOrgan and also wishing to use it with other virtual instruments, like a string ensemble or choir for example. Also for use with many other VST reverb & effects. I found this way to give lowest latency than Jack setup (above). For this use included are two REAPER project files, one with Reverberate LE and one with Omniverb. Of course many many other VSTs can be used instead. Caution here too : Buffers and sample rate must be the same and Reaper must be opened first !

Added on Cronenbourg's console are the **reverb** controls. I did my usual favorite settings (when first open disposition) for optimal sound, but they are adjustable to any taste.

These controls are set to zero for Jack and ReaRoute models, for obvious reasons !

Computer keyboard **shortcuts** are added for easy stop control and recorder elements control. These shortcuts are marked with blue small letters on the lower left side of each element. To work must click (and stay like this) on Cronenbourg console (windows' focus...).

**Sf2 bank** is a bit reworked, for some loops on Bourdon 8' that were clicking here and there.

**Overall gain** is raised to 0,178, as many users opening the old version (v1 for 3.10) into 3.14 got no sound.

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### **Software and other apps needed with this model :**

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**A.** The simplest way is to download **jOrgan 3.14** from here :

<http://sourceforge.net/projects/jorgan/files/jorgan-installer/3.14/>

choose 32 or 64bits installer,

and open **Cronenbourg\_v2\_FS\_DS** and play "straight from the box", but with some (not much !) latency.

**B.** Win7 users can benefit from **WASAPI** with better sound and latency. For this to work must download **Graham Goode's** super patch here :

<https://skydrive.live.com/?cid=c6dd879f60fadf98&sc=documents&wa=wsignin1.0#cid=C6DD879F60FADF98&id=C6DD879F60FADF98%21387&sc=documents>

and replace/add them to lib folder in jOrgan's main folder.

**C.** For **ASIO** model, the same as above applies, here :

<https://skydrive.live.com/?cid=c6dd879f60fadf98&sc=documents&wa=wsignin1.0#cid=C6DD879F60FADF98&id=C6DD879F60FADF98%21387&sc=documents>

**D.** Get latest experimental **Jack** for win x86 and for x64 (and 32)bits (included in the above folders) here :

<https://skydrive.live.com/?cid=c6dd879f60fadf98&sc=documents&wa=wsignin1.0#cid=C6DD879F60FADF98&id=C6DD879F60FADF98%21387&sc=documents>

Asio4all is the easy way for JACK connections on windows systems. Also if the 64/32bit version is to be used, the **Jack v1.9.8/64bits/JackRouter.dll** must be registered manually with **regsvr32**.

Also you can check any **new version of Jack 1.9.8** here :  
pure 32bits:

[http://www.grame.fr/~letz/Jack\\_v1.9.8\\_32\\_setup.exe](http://www.grame.fr/~letz/Jack_v1.9.8_32_setup.exe)

mixed 32&64bits:

[http://www.grame.fr/~letz/Jack\\_v1.9.8\\_64\\_setup.exe](http://www.grame.fr/~letz/Jack_v1.9.8_64_setup.exe)

**E. ReaRoute Asio.** Latest **REAPER 4.10** or newer must be installed and during installation ReaRoute option must be clicked ! Place the Reaper Project files included, in your Reaper Media folder (usually in documents) or in any place you have your Reaper project files.

Latest Reaper (not free, but full working for evaluation period only) can be found here :

<http://www.reaper.fm/>

and the latest manual (4.10) here :

<http://www.reaper.fm/userguide.php>

All mentioned apps above are properties of their respective creators/owners. Please respect their licenses.

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A very personal taste : I found that the best way to play Cronenbourg on windows is to use win7 64bit with the FS\_Asio (unofficial) patch for just "open and play" and ReaRoute Asio with Reaper 4 (x64) for bigger projects.

For example one can record a live choir in church (two mics needed ect) and add the Cronenbourg , or with a string orchestra (real or virtual...) or even rehearse and record live !

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#### License

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Cronenbourg St.Florent jOrgan 3.14 model v2 is provided as is under **GNU v.3 GPL**, free and not for sale and commercial distribution, but any recordings or live performances are very welcome !

Please drop me a line or contact me if you do so !

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Please enjoy,

Best regards,

Panos K. Ghekas, Athens, 4 Oct. 2011

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