

Stefano Gervasoni

L'Ingenuo

1994

2006,

L'Ingenuo Max8-2019
2019



The setup and the execution of the electroacoustic part
of this work requires a Computer Music Designer (Max expert).

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Work related information

Performance details

- Feb. 26, 1994, (première version pour voix, tuba, électronique et instruments ad libitum) Paris, Ircam, espace de projection
- Jan. 20, 2006, Paris, Centre-Pompidou, grande salle

Publisher : Ricordi

Detailed staff

- solo soprano, euphonium, horn

Realisation

- Thomas Goepfer

Useful links on Brahms

- [L'Ingenue](#) for soprano, euphonium, horn and electronics (1992-1994), 15mn
- [Stefano Gervasoni](#)

Version related information

Performance date: Jan. 20, 2006

Documentation date: June 6, 2019

Version state: valid, validation date : Jan. 9, 2022, update : Jan. 9, 2022, 6:45 p.m.

Documentalist

Benoit Meudic (Benoit.Meudic@ircam.fr)

You noticed a mistake in this documentation or you were really happy to use it? Send us feedback!

Realisation

- Stefano Gervasoni (Composer)
- Thomas Goepfer (Computer Music Designer)
- Jérémie Henrot (Sound engineer)

Version length: 18 mn

Default work length: 15 mn

Upgrade Motivation

Max8 upgrade

Comment

Musical piece based on a poem from Toti Scialoja.

Written for soprano, horn, euphonium and live electronics.

Other version(s)

- [Stefano Gervasoni - L'Ingenue - maxmsp5-version-unttested \(Sept. 24, 2010\)](#)
- [Stefano Gervasoni - L'Ingenue - transfert_mustica_ftp \(April 14, 2010\)](#)
- [Stefano Gervasoni - L'Ingenue - patch2006 \(Jan. 20, 2006\)](#)

Electronic equipment list

Computer Music Equipment

- 1 MacBook Pro - *Apple Laptops* (Apple)
Mac os >= 12.12.8
- 1 Max 8 - *Max* (Cycling74)
- 1 Hammerfall hdsp9652 - *Sound Board* (RME)
[MIDI I/O:1] [Max frequency:96] [ASIO/Core Audio:1] [Port format:PCI] [ADAT:1] [Bit number:24]
- 1 BCF 2000 - *MIDI Mixer* (Behringer)
Used to control volume output for all treatments. [Automation:1] [Nb of channels:8]
- 1 Footswitch / Sustain Pedal - *Footswitch / Sustain Pedal*
for Soprano [Hand activation:1] [Foot activation] [Port type:Finger]

Audio Equipment

- 1 RE 20 - *Dynamic Microphones* (Electrovoice)
Euphonium [Directivity:cardio] [Dynamic:1]
- 1 RE 10 - *Dynamic Microphones* (Electrovoice)
Horn [Directivity:cardio] [Dynamic:1]
- 1 DPA 4060 - *Condenser Microphones* (DPA)
Soprano [Directivity:omni] [Static:1]
- 1 HF System - *HF System* (Sennheiser)
for Soprano
- 1 MPB 600 - *Passive Monitors* (Amadeus)
[Used for] [DAC number]
- 1 DM1000 - *Digital Mixers* (Yamaha)
[Mono input] [Stereo input] [Mic input] [Aux] [Bus] [Output] [Digital] [Analog] [Input]

Files

| File | Type | Author(s) | Comment |
|---|-------|---------------|-----------------------------------|
| Ingenuo-2019 | Patch | Benoit Meudic | max8 patch |
| Ingenuo-divers | Patch | Benoit Meudic | simulation - recording - score |
| uploads/Gervasoni/Ingenuo/ingenuo.zip | Patch | | old patch |

Instructions

General informations

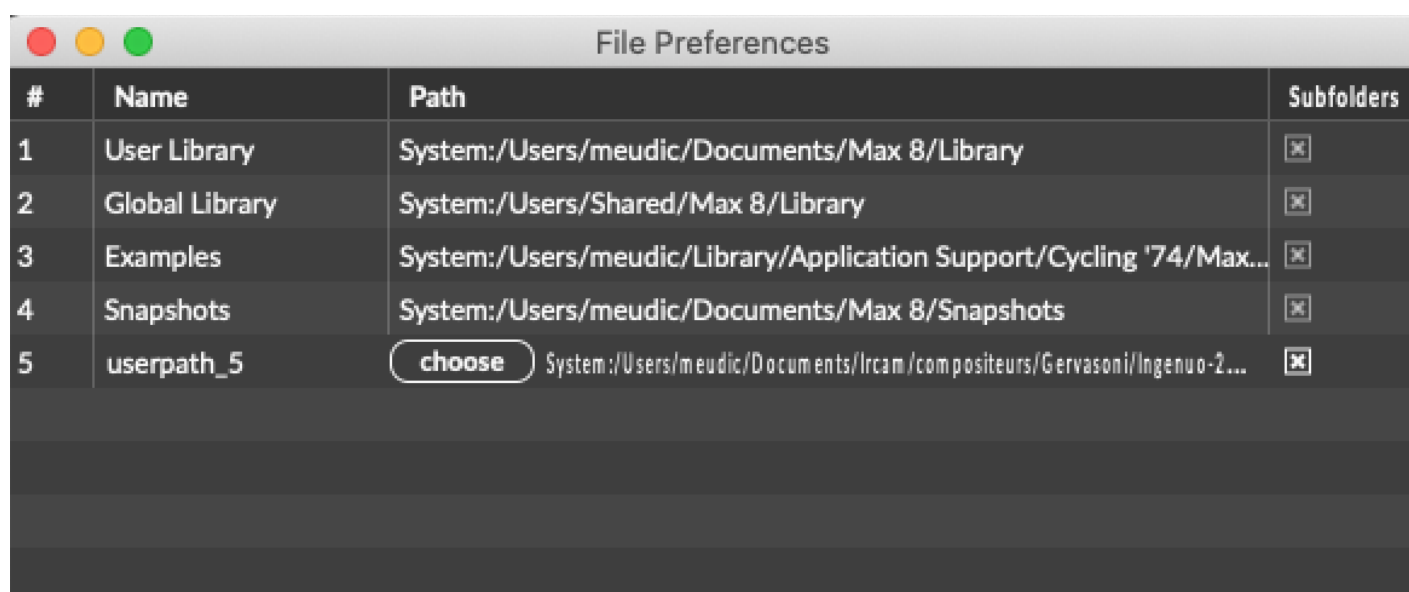
L'Ingenuo is a piece for voice, euphonium, french horn and real time electronics.

The electronics consists in soundfiles, harmonizers, resonators and spatialisation on voice, tuba (euphonium) and french horn.

The cues are triggered with a midi sustain pedal by the tuba (euphonium) player.

Install - Installation Procedures

1. copy the folder called Ingenuo-2019 on your hard disk drive.
2. launch Max8.
3. in the options menu, click on file preferences. Then add the folder Ingenuo-2019 (Cf. Fig. Files Preferences).
4. quit Max8
5. launch the file called Ingenuo-Max8



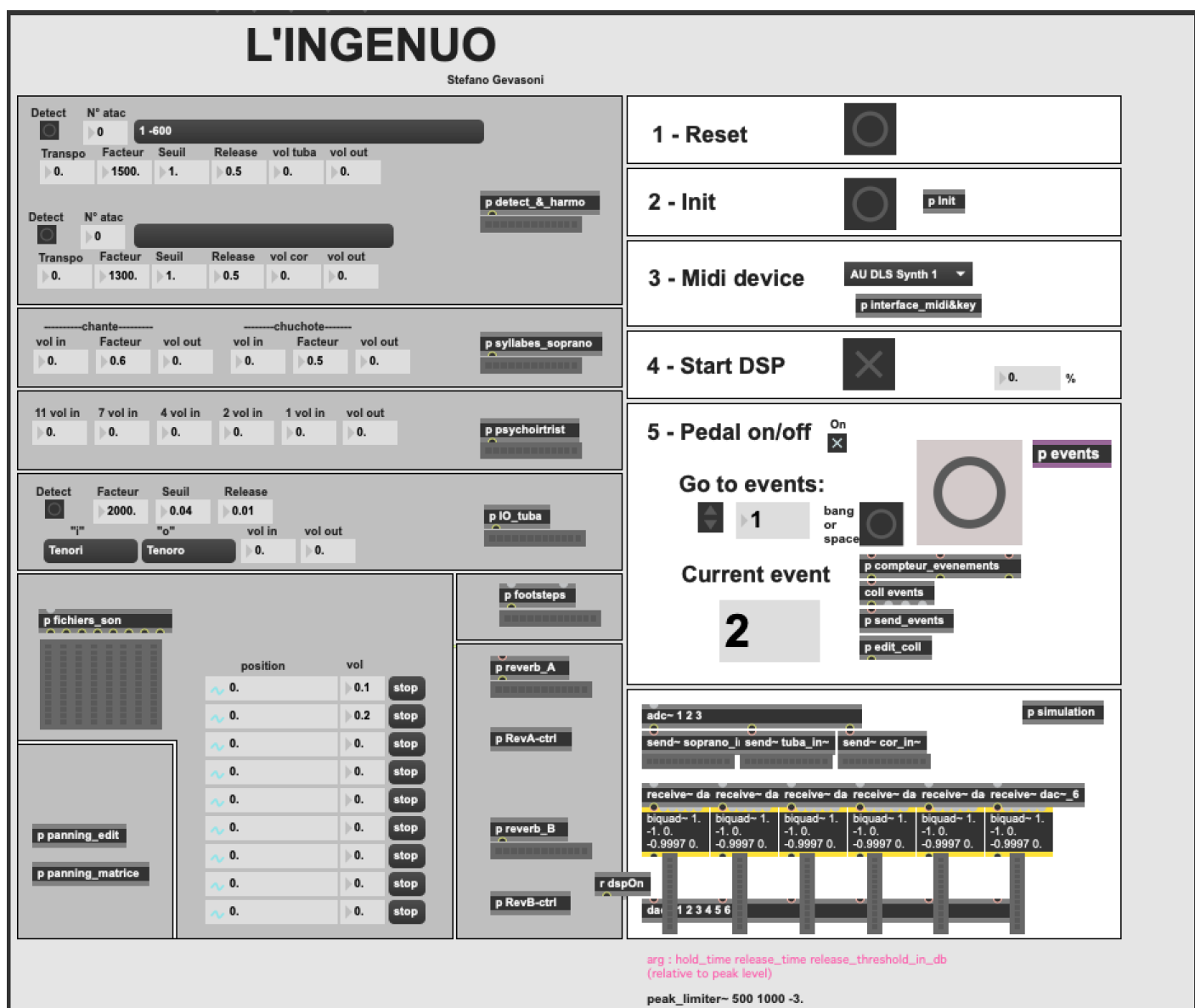
File preferences

Patch presentation

The concert patch main window is structured this way:

- on the left side : Interface for checking and modifying parameters of live treatments.
- detect_&_harmony : detect, count and harmonize attacks.
- syllables_soprano : yin detection to separate voiced and unvoiced parts.
- psychoirtrist : make choir with 1, 2, 4, 7, or 11 voices.
- IO_tuba : detect attacks, and apply 2 resonators to make “I” and “O”.
- footsteps : sound files of foot steps.
- fichiers_son : sound files.
- reverb_A and reverb_B : 2 different reverbs.
- panning_edit and panning_matrice : panning.
- on the right side : Step by step initialisation.

A Midi mixing desk (like BCF2000 from Behringer) is used to control volume output from all treatments.



Ingenuo main window

Inputs/Outputs

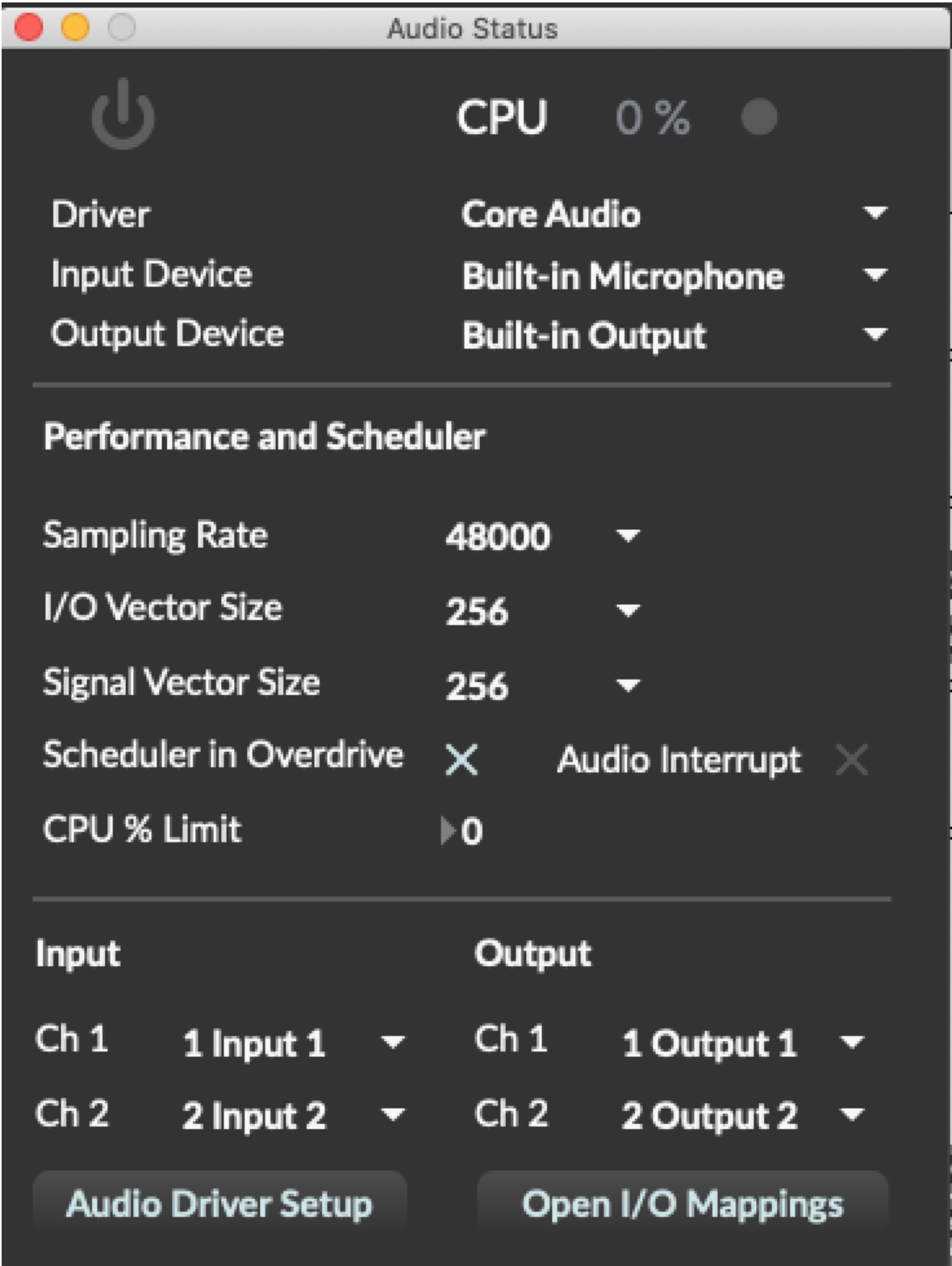
There are 3 inputs for soprano, tuba and french horn.

There are 6 outputs: (dac 1..6 on loudspeakers 1 front left, 2 front right, 3middle left, 4 middle right, 5 back left and 6 back right)

Initialization

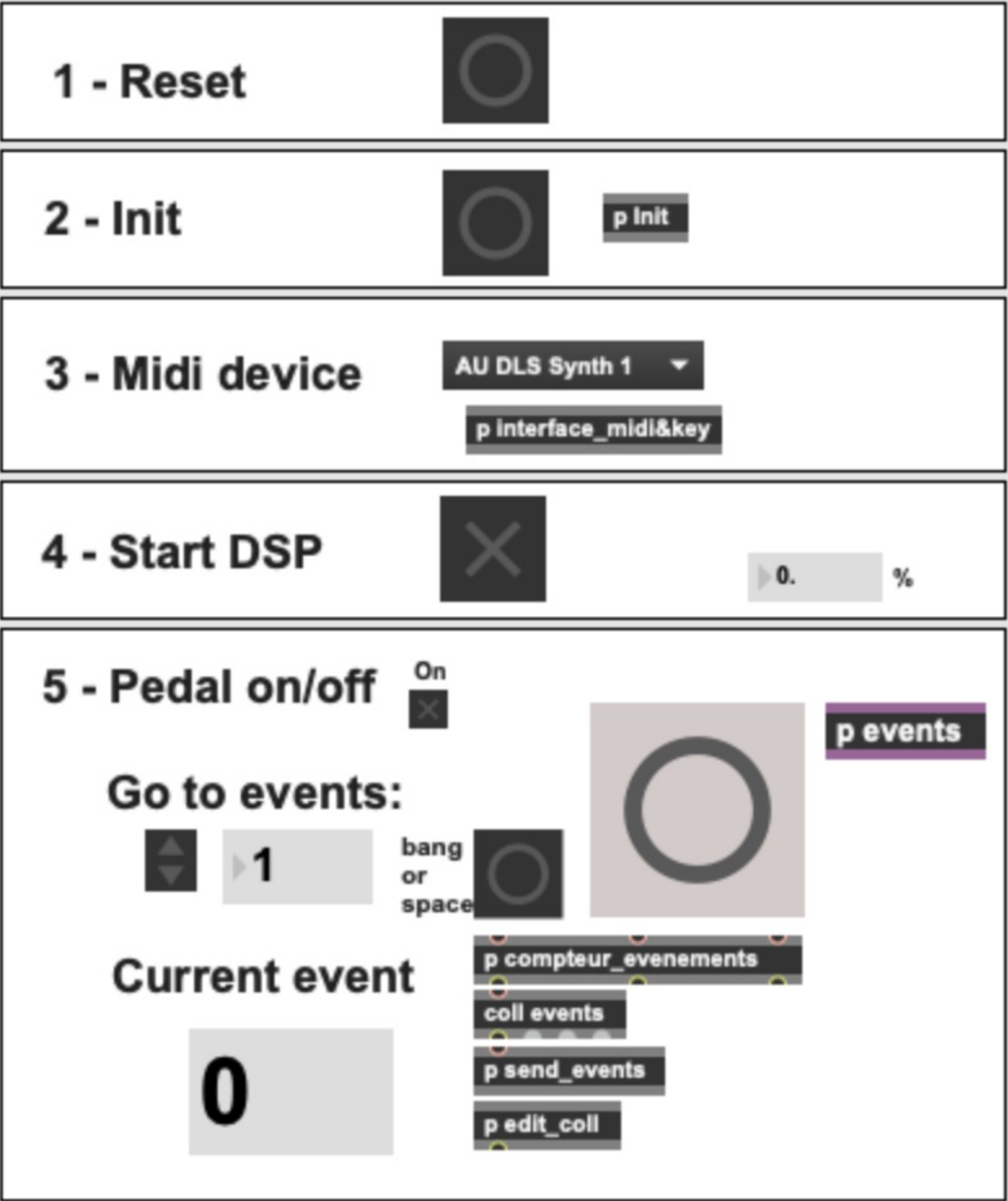
1. Click in the reset bang.
2. Click in the init bang.
3. Choose the midi device for the midi mixing desk.
4. Click to start DSP.

DSP should be set to sampling rate 48000, I/O vs 256, Svs 256, overdrive on, audio interrupt off.



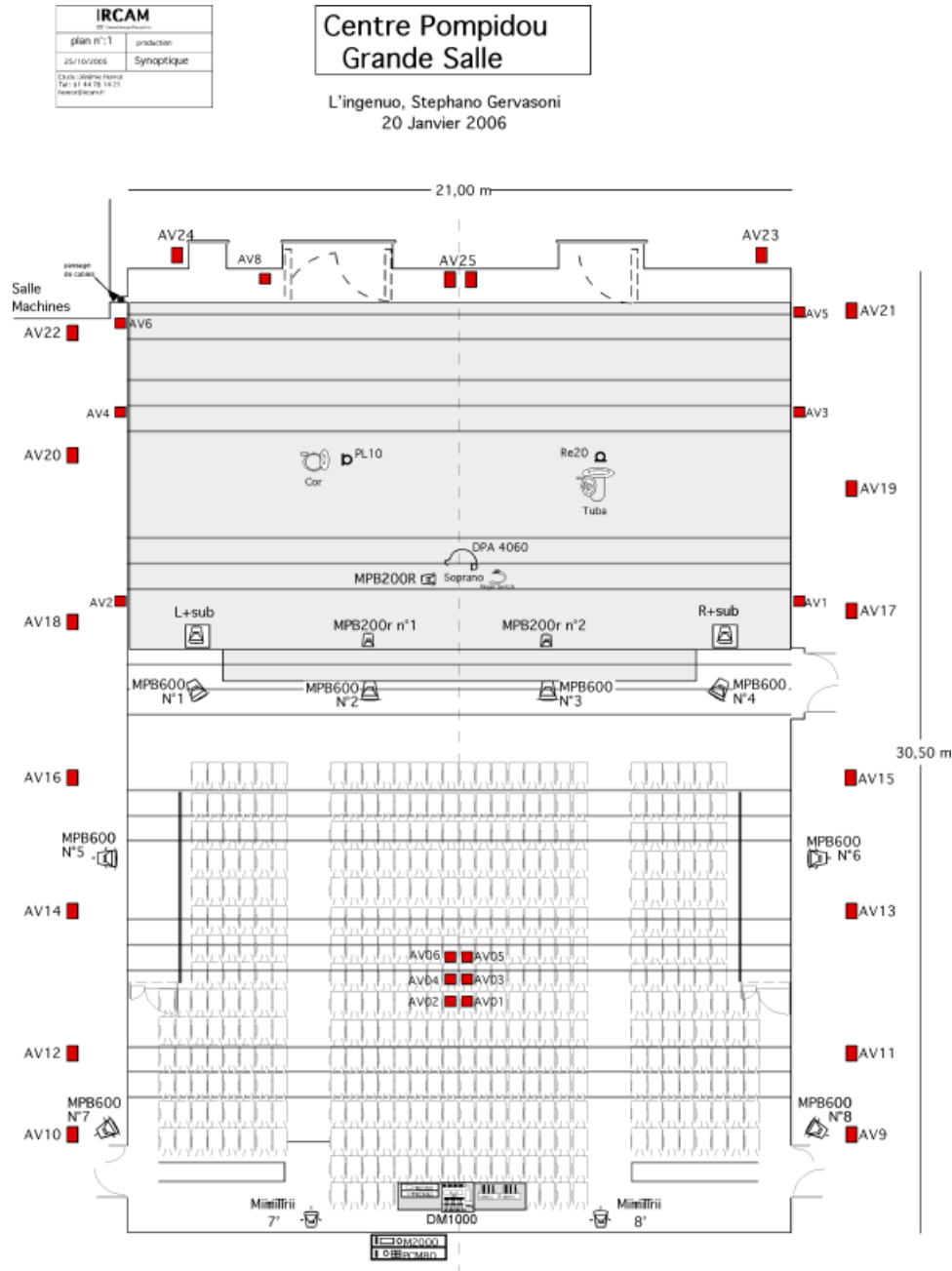
5. Check the midi pedal and click in the little toggle labelled “on”.

Now, the first pedal starts the patch.



Initialization part of the main window

Stage Setup Diagram



Loudspeaker Setup Diagram

MIDI setup

Midi connection diagram

On the stage

sustain pedale



Close the mixing desk

Midi mixing desk



Mac

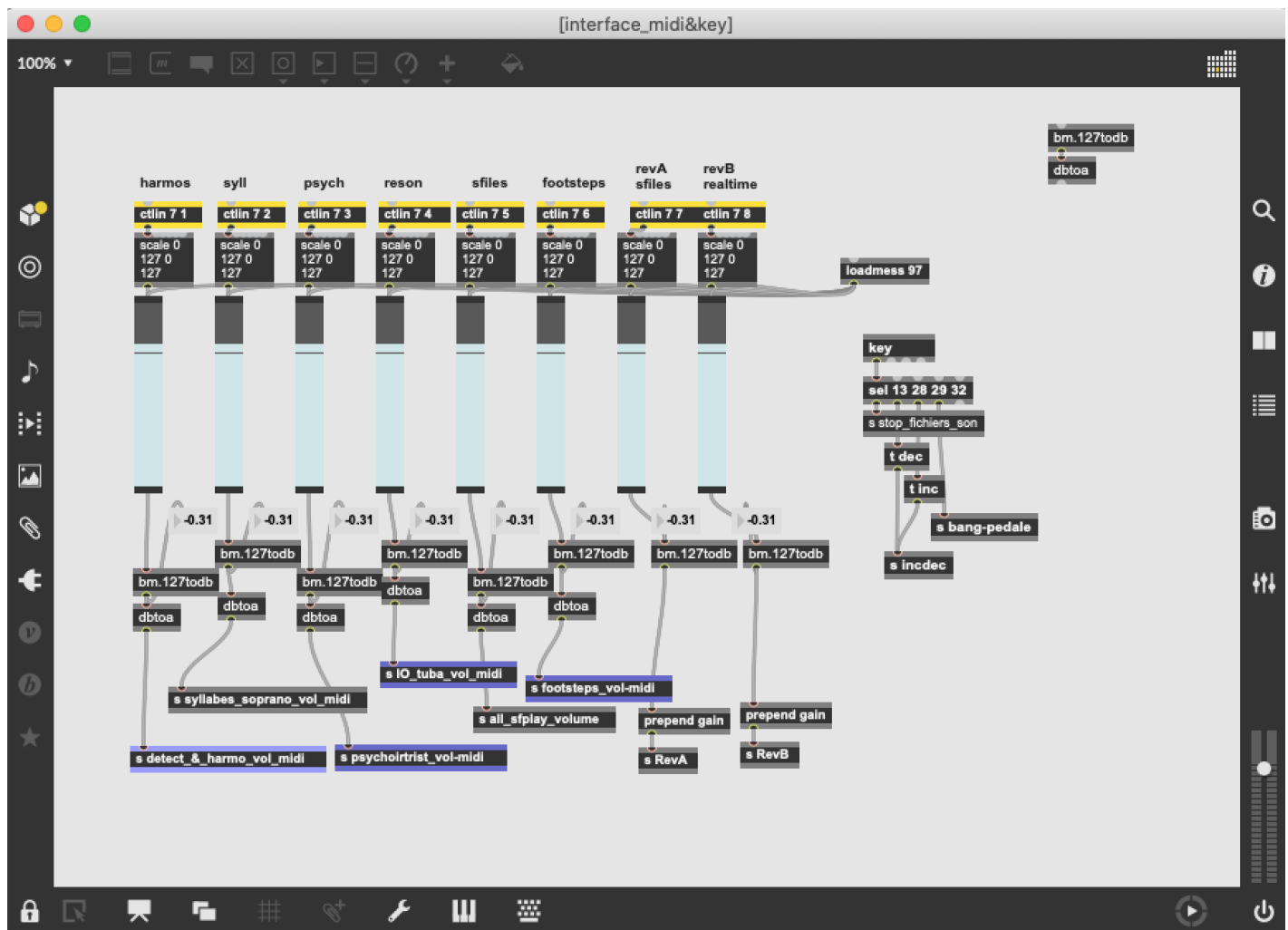


Midi connection diagram


Midi mixing desk configuration

Midi mixing desk controls the “out” volume for all treatments :

- 1 - detect & harm
- 2 - syllabes soprano
- 3 - psychoirtrist
- 4 - IO tuba
- 5 - soundfiles
- 6 - footsteps
- 7 - RevA
- 8 - RevB



Midi mixing desk

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