

Stefano Gervasoni

*L'Ingenuo*

1994

2006,

L'Ingenuo Max8-2019  
2019



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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

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### 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

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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)

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### 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 hds9652 - *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
<a href="#">Ingenuo-2019</a>	Patch	Benoit Meudic	max8 patch
<a href="#">Ingenuo-divers</a>	Patch	Benoit Meudic	simulation - recording - score
<a href="#">uploads/Gervasoni/Ingenuo/ingenuo.zip</a>	Patch		old patch

# Instructions

## General informations

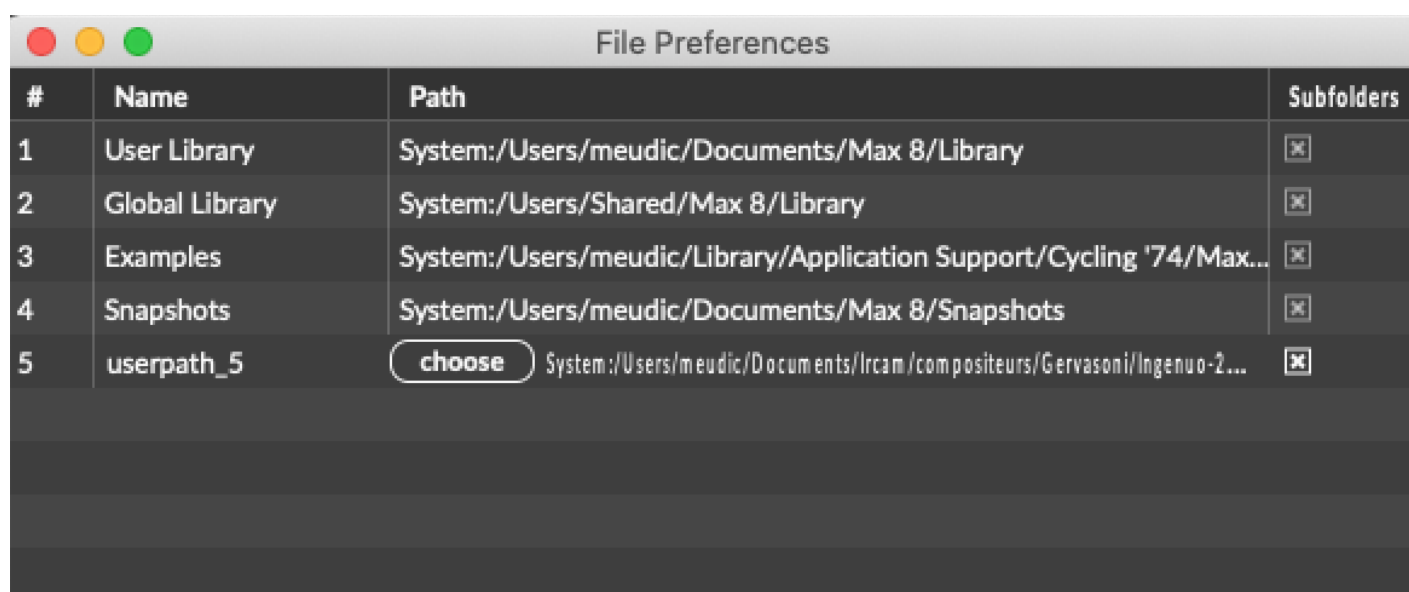
*L'Ingenuo* is a piece for voice, euphonium, french horn and real time electronics.

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



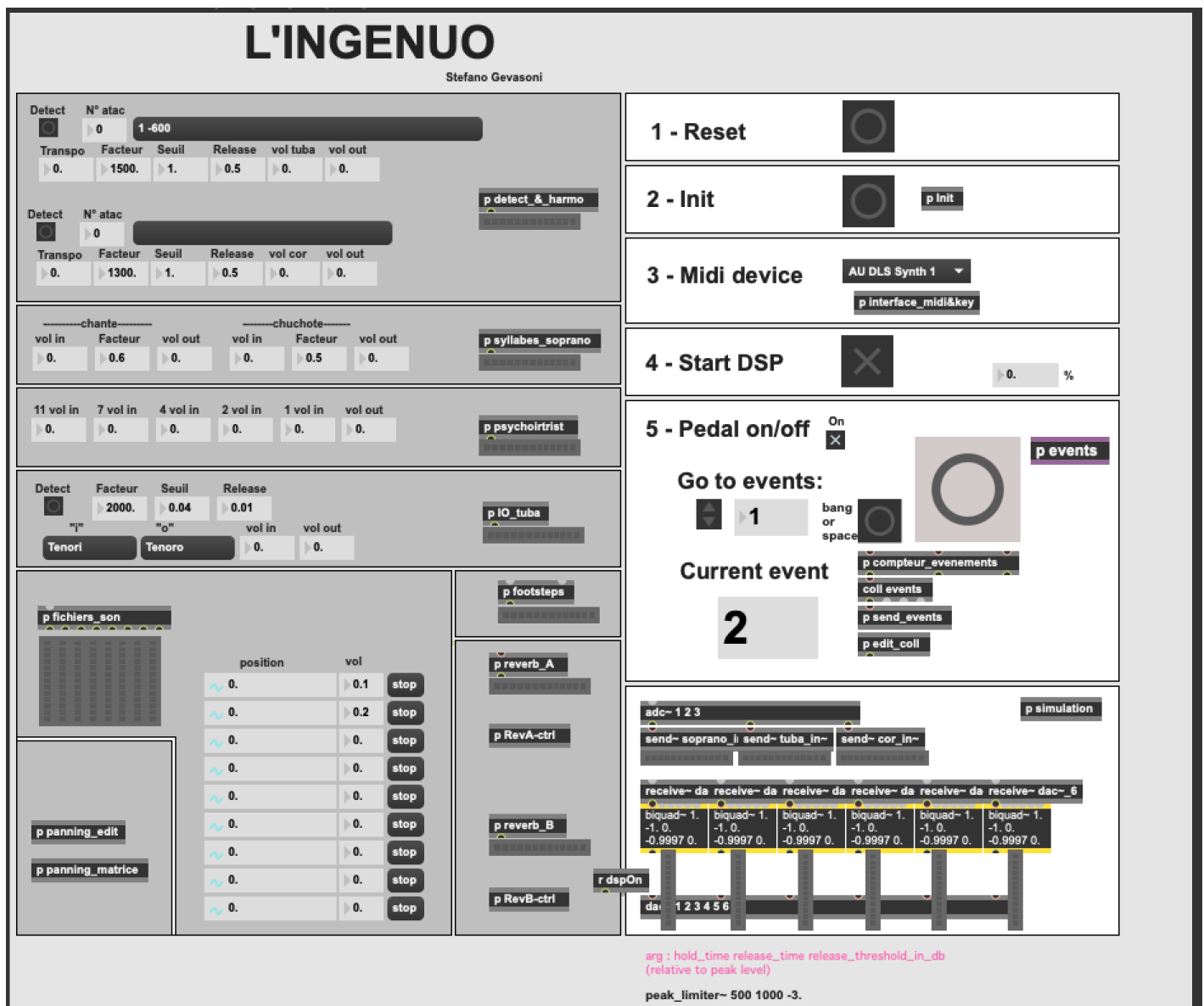
File preferences

## 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\_&\_harmo : 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.

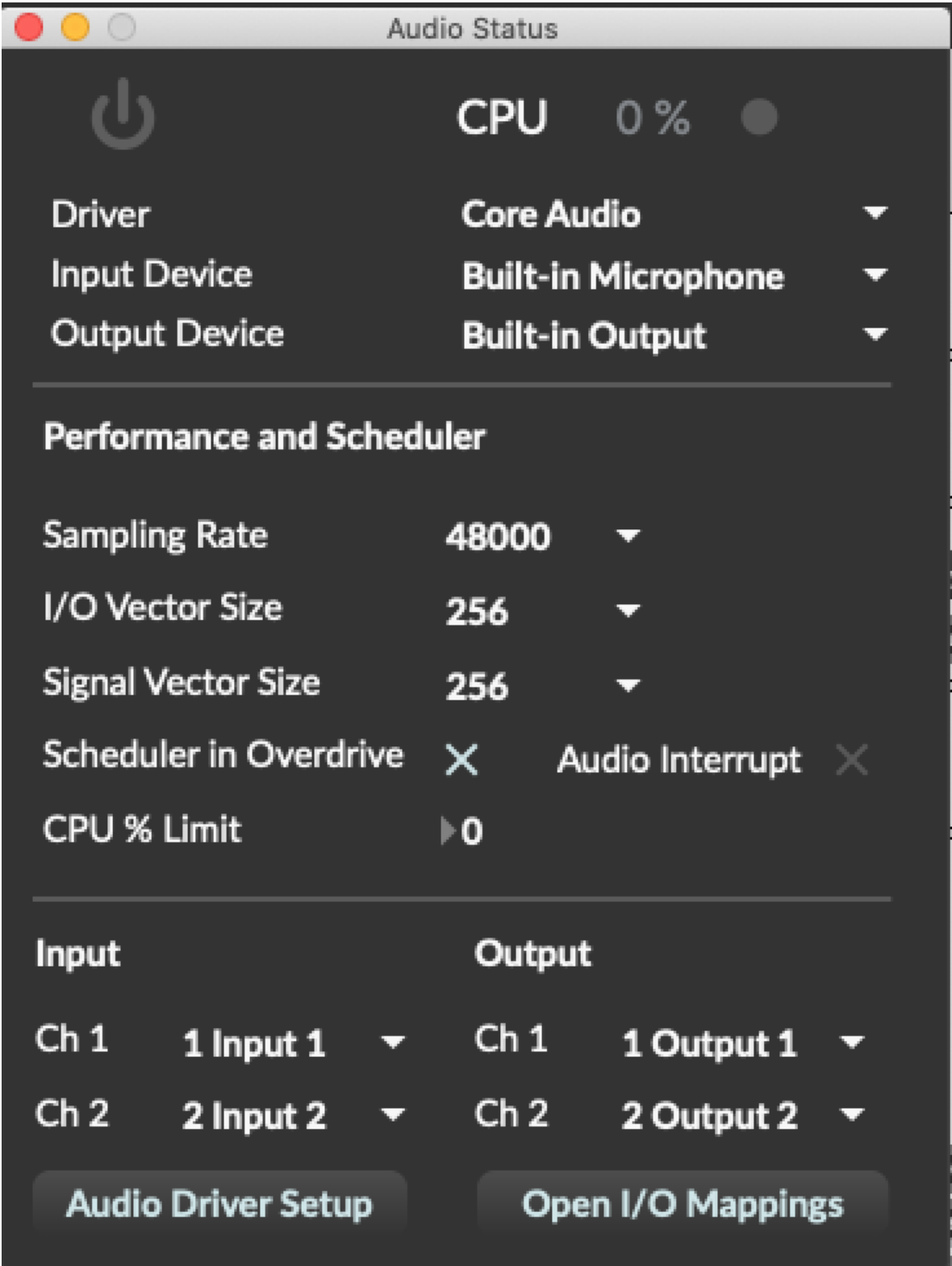
There are 6 outputs: (dac 1..6 on loudspeakers 1 front left, 2 front right, 3 middle left, 4 middle right, 5 back left and 6 back right)

## 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.





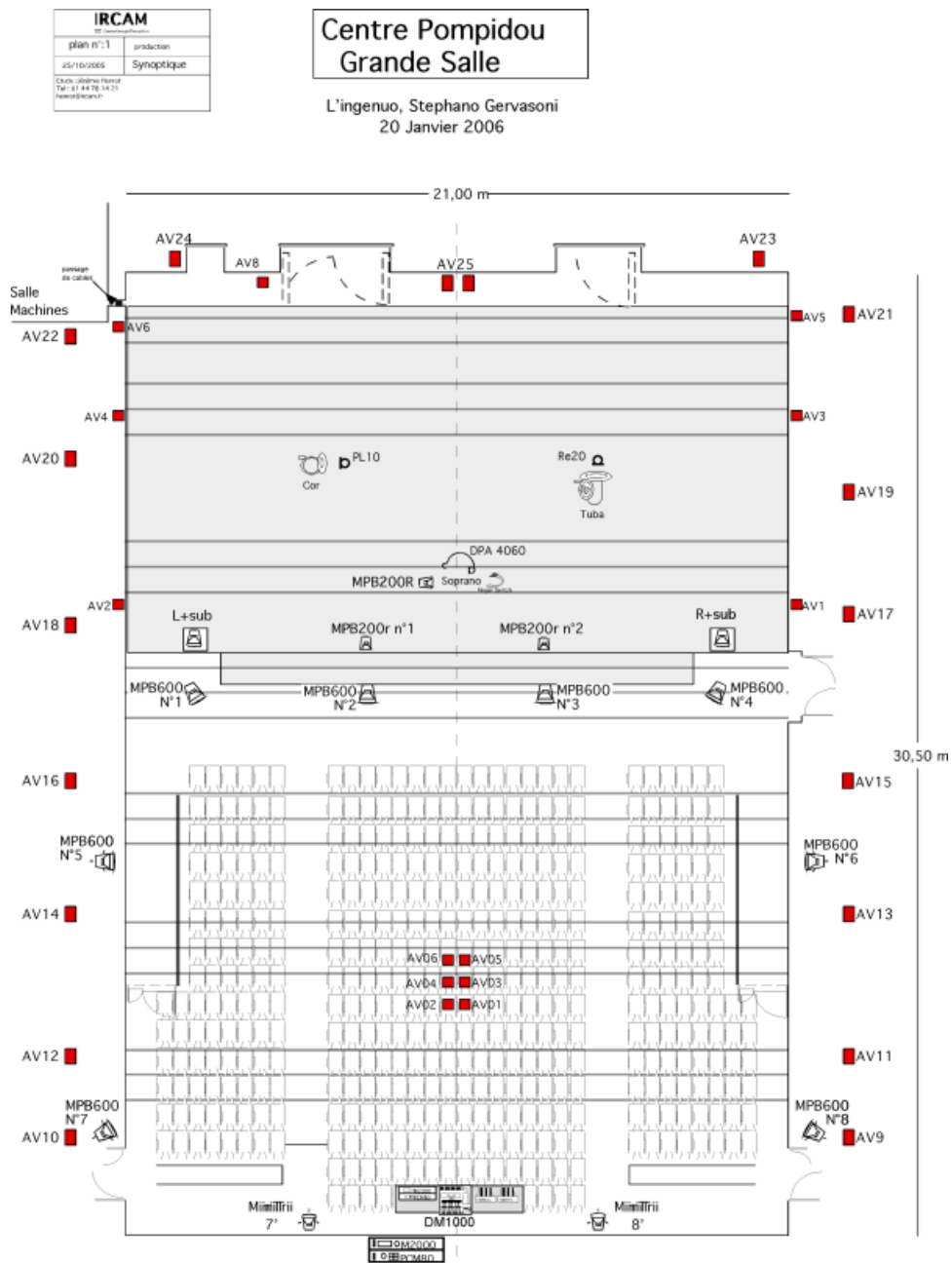
5. Check the midi pedal and click in the little toggle labelled “on”.

Now, the first pedal starts the patch.



Initialization part of the main window

Stage Setup Diagram



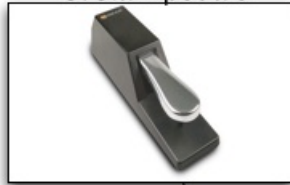
Loudspeaker Setup Diagram

## MIDI setup

## Midi connection diagram

On the stage

sustain pedale



Close the mixing desk

Midi mixing desk



Mac

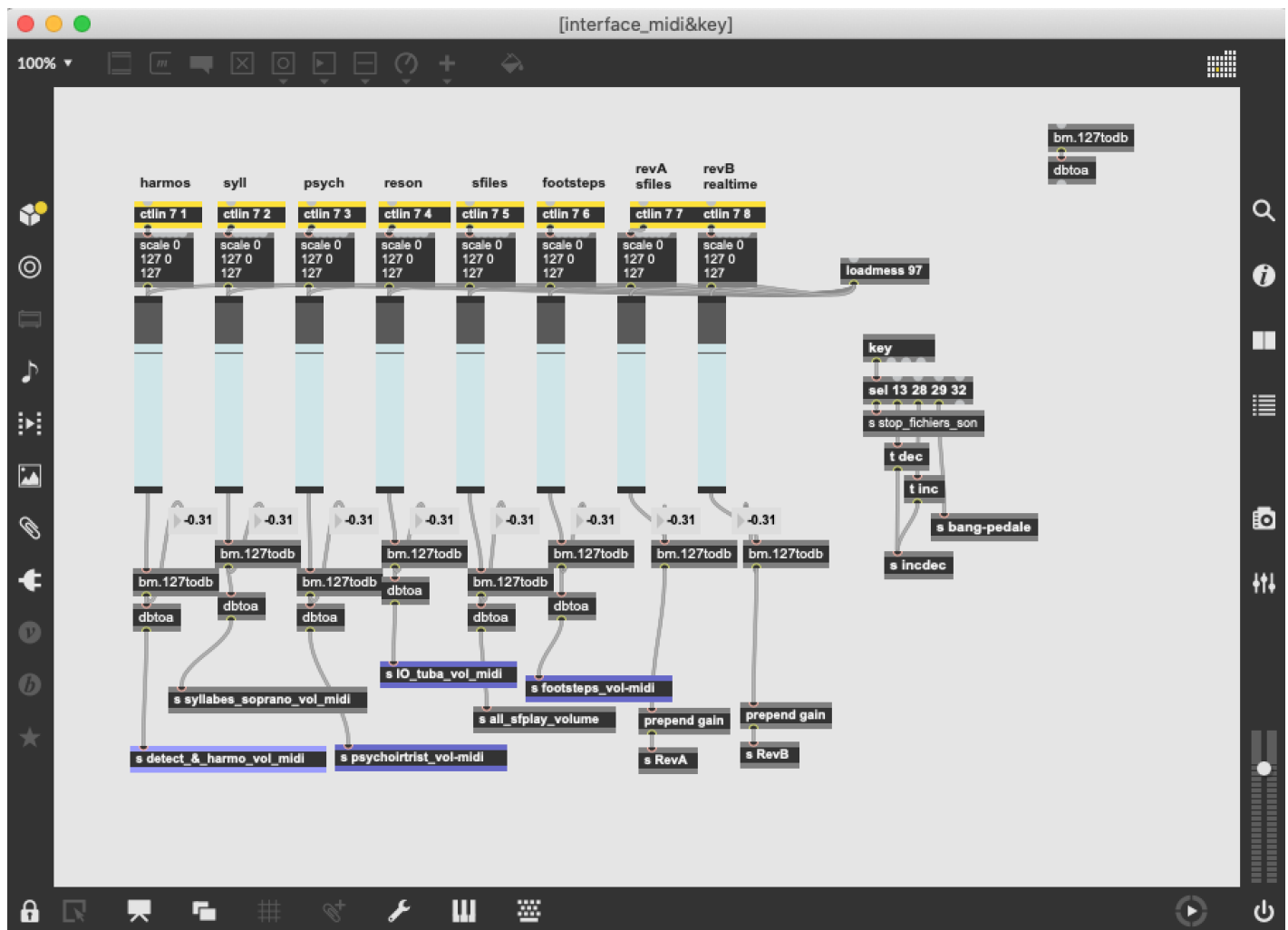


Midi connection diagram


### 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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