Justė Janulytė
Iridescence
2023

Premiere
2024

ircam
Centre
Pompidou

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

Table of Contents

Work related information

Performance details

- June 19, 2023, France, Paris, Philharmonie, festival Manifeste

Publisher : Salabert

Detailed staff

- unspecified choir

Realisation

- Robin Meier

Useful links on Brahms

- *Iridescence* **for choir and electronics (2023), 16mn**
- **Justė Janulytė**

Version related information

First performance
Performance date: June 19, 2023
Documentation date: Feb. 5, 2024
Version state: valid, validation date : April 18, 2024, update : April 18, 2024, 10:45 a.m.

Documentalist

Robin Meier (Robin.Meier@ircam.fr)

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

Realisation

- Robin Meier (Computer Music Designer)
- Clément Cerles (Sound engineer)

Version length: 15 mn 20 s
Default work length: 16 mn

Upgrade Motivation

premiere

Other version(s)

- Justė Janulytė - Iridescence - Tape Version (Feb. 7, 2024)

Electronic equipment list

Computer Music Equipment

- 1 MacBook Pro - *Apple Laptops* (Apple)
  M1 Pro 16 inch 2021 / Mac OS Ventura 13.2
- 1 Live - *Music Software* (Ableton)
  version 11.2.6
- 1 Max 8 - *Max* (Cycling74)
  version 8.5.4
- 1 D400 - *MIDI Mixer* (Asparion)

Audio Equipment

- 8 Loudspeaker - *Loudspeakers*
- 2 subwoofer - *Subwoofers*

Files

File	Type	Author(s)	Comment
Ableton Session and everything	All-in-one	Robin Meier	
maxforlive device	Other	Robin Meier	missing in the Live Session - required for the ambisonic spatialisation
fiche technique	Technical rider	Clement Cerles	

Instructions

1. Audio setup

2. Loudspeaker setup

The global system consists in:

- PA System: 1 stereo system type L-Acoustics or equivalent. It must installed by a professional PA company so the design is adjusted to the venue for the best coverage in the public area.
- Surround: a set of speakers placed around the audience and technically able to cover the audience area (the blue loudspeakers in the following plan). 6 loudspeakers minimum are needed. According to the venue, some extra loudspeakers could be needed in order to cover the audience area. Ideally it would be a 12 inches point source speakers (L-acoustics X12 or D&B E12).

Beware that amplification, EQ and Delay must be independent for each speaker.

- Subwoofers: a subwoofer system, to cover the low frequencies of the PA system.

In addition to this setup, a speaker complement could be needed in case of particular acoustics conditions (f.ex front fill, extra-speakers on balconies). These choices have to be discussed with IRCAM Sound Engineer

3. Midi setup

1 Asparion midi controller. Preset file provided LiveRobin.aPres. Any midi controller with at least 11 controls will fit but you will have to reconfigure the midi mapping.

4. Software installation

We used Max 8.5.4 and Live (Ableton) 11.2.6 on Mac OS Ventura 13.2 with Apple M1 Pro 16 inch 2021.
Copy the folder Iridescence Janulyte onto your hard drive and add it to your search path in Max.
In Ableton preferences, make sure to use the external version of Max and not the Ableton bundle one.

Run installer for Fireface and ValhallaSuper.
Move the content of the « to max packages » in ~/Documents/Max 8/Packages/.

Look		
Feel		

Gestion des données

Créer fichiers d'analyse — On

Editeur d'échantillon — Cherch
(non défini)

Dossier temporaire — Cherch
/Users/production/Music/Ableton/Live Recordings

Application Max

Application Max — Version fournie / Cherch
/Applications/Max.app

Décodage cache

Espace libre minimal — 500.00 MB

Taille maximale de cache — Off / 10.00 GB / Purger

Dossier cache — Cherch
/Users/production/Library/Caches/Ableton/Cache

Sidebar items:
- Look
- Feel
- Audio
- Link
- Tempo
- MIDI
- File
- Folder
- Library
- Plug-Ins
- Record
- Warp
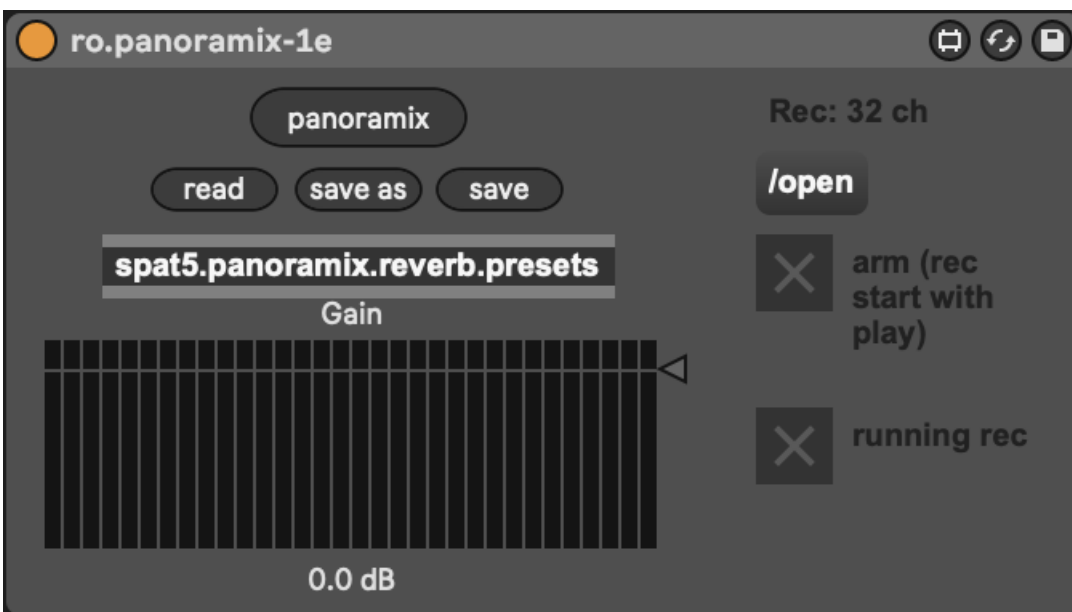- Launch
- Licenses
- Maintenance

Ableton Preferences

Panoramix

On track 43 runs the ro.panoramix-1e device. load the provided preset called janulyte-cite2.txt
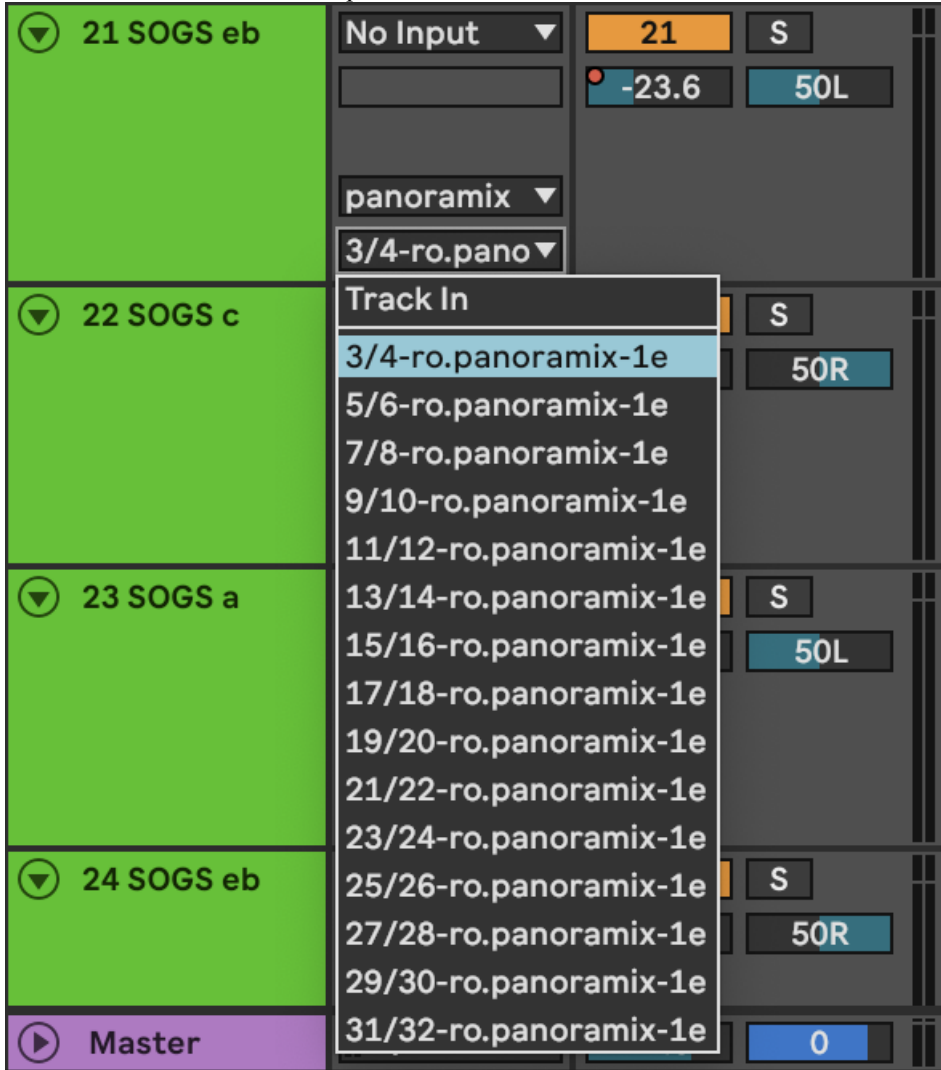

b) Routing in Ableton

Audio Routings in Ableton

adc 1 : KM_S1 (Soprano 1)

adc 2 : KM_S2 (Soprano 2)
adc 3 : KM_S3 (Soprano 3)
adc 4 : KM_A1 (Alto 1)
adc 5 : KM_A2 (Alto 2)
adc 6 : KM_A3 (Alto 3)
adc 7 : KM_T1 (Tenor 1)
adc 8 : KM_T2 (Tenor 2)
adc 9 : KM_T3 (Tenor 3)
adc 10 : KM_B1 (Bass 1)
adc 11 : KM_B2 (Bass 2)
adc 12 : KM_B3 (Bass 3)

24 effect tracks are sent in the ro.panoramix-1e device

c) DSP Status Options (Fs, IO vs, S vs, Overdrive, Audio Interrupt, Vector Optimization)
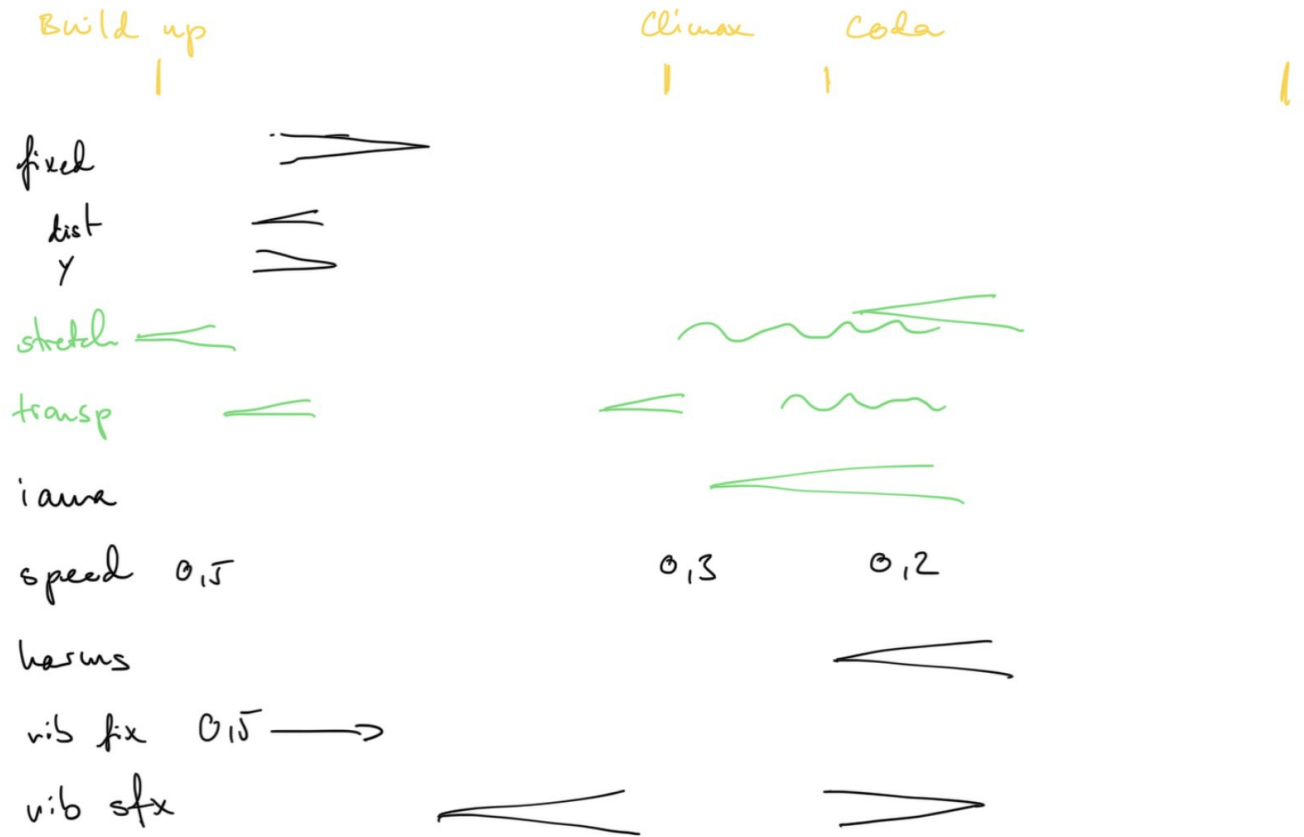
6. Initialization routine

open ableton session
load panoramix preset
stop all playback, rewind.
position midifaders
start the piece (choir) and trigger scenes according to score.
adjust volumes on midi fader

8. Performance notes

Score Electronics. Iridescence

Build up   Climax   Coda

fixed

list
Y

stretch

transp

iaura

speed   0,5   0,3   0,2

harms

vib fix   0,5 ⟶

vib sfx