

Luca Francesconi  
*Sirene/Gespenster*  
1997

max6-untested  
2013



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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

- April 25, 1997, Allemagne, Cologne, Witten, Tage für neue Kammermusik

Publisher : Ricordi

### Detailed staff

- women's choir à 12 voix (soprano [colorature], 5 soprano, 5 contralto, mezzo-soprano [])
- trumpet (also piccolo trumpet [en mib] ), percussionist, 2 horns [sur scène] , 2 trumpets [sur scène] (also 1 piccolo trumpet [en mib] ), 2 trombones [sur scène] , bass tuba [sur scène] , 3 percussionists [sur scène] , 2 electronic/MIDI keyboards/synthesizers [sur scène]

### Realisation

- Eric Daubresse

### Useful links on Brahms

- [Sirene/Gespenster](#) pagan oratorio for four female choirs, brass, percussion and electronics (1996), 35mn
- [Luca Francesconi](#)

## Version related information

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Documentation date: Nov. 12, 2013

Version state: valid, validation date : May 3, 2018, update : May 6, 2021, 3:09 p.m.

### Documentalist

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

### Realisation

- Eric Daubresse (Computer Music Designer)
- Franck Rossi (Sound engineer)

Version length: 41 mn

Default work length: 35 mn

### Upgrade Motivation

update for Max6 + sampler transfer from akai to a software version (sampler~)

### Other version(s)

- [Luca Francesconi - Sirene/Gespenster - max8 48kHz \(April 4, 2020\)](#)
- [Luca Francesconi - Sirene/Gespenster - oslo-2006 \(Oct. 7, 2006\)](#)

## Electronic equipment list

### Computer Music Equipment

- 1 MacBook Pro - *Apple Laptops* (Apple)  
OS 10.6
- 1 Max 6 - *Max* (Cycling74)  
6.1.6
- 1 Fireface 400 - *Sound Board* (RME)
- 2 KX 88 - *MIDI Keyboard* (Yamaha)  
Both keyboards are stacked
- 1 Midi interface - *MIDI Interfaces*
- 1 MIDI booster - *Booster*

### Audio Equipment

- 8 Loudspeaker - *Loudspeakers*
- 2 subwoofer - *Subwoofers*
- 1 DM2000 - *Digital Mixers* (Yamaha)

### Musical Instruments

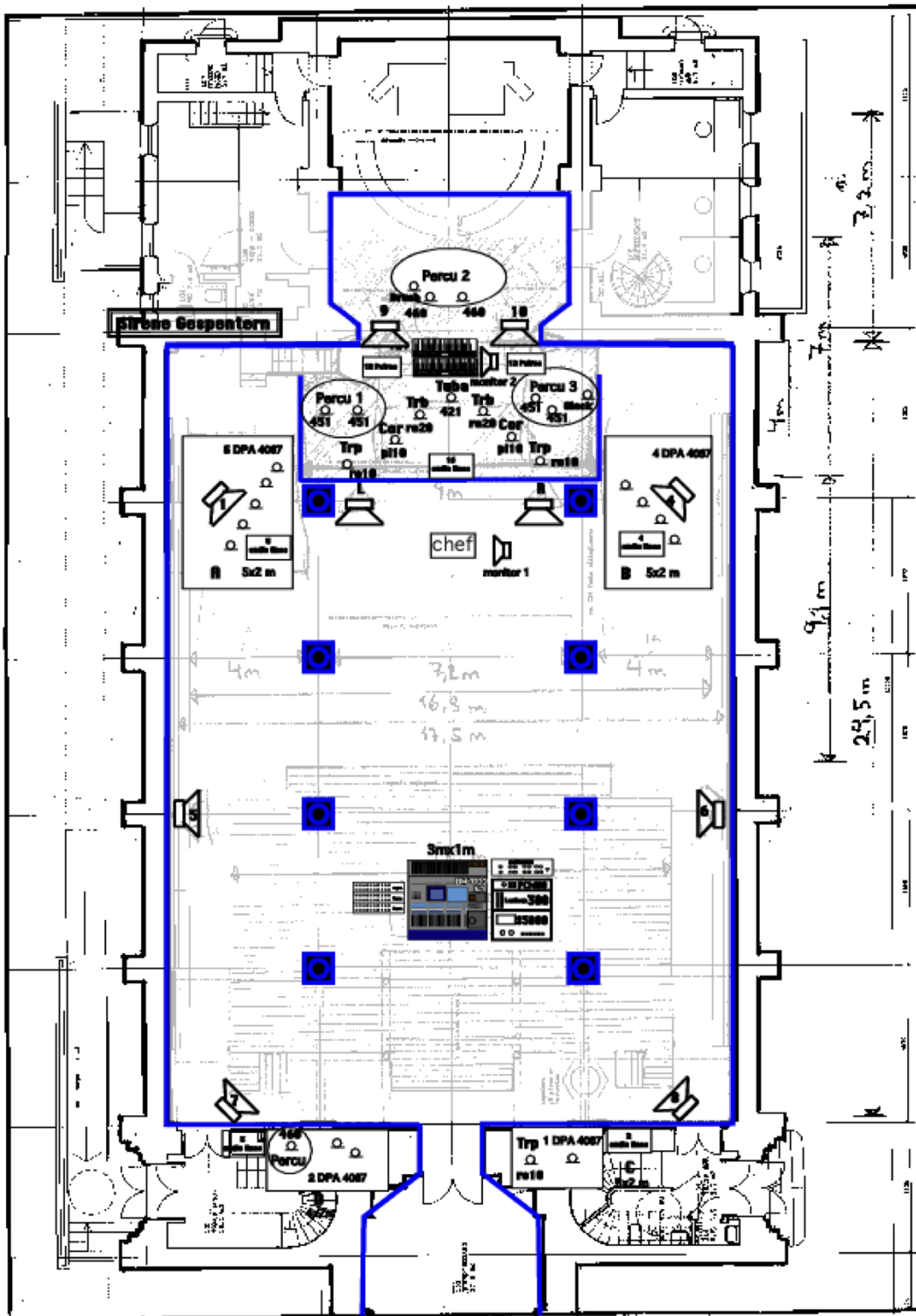
- 1 Z8 - *Sampler* (Akai)  
now optional (can be "virtualized" by a max patch)

**Files**

<b>File</b>	<b>Type</b>	<b>Author(s)</b>	<b>Comment</b>
<a href="#">disposition-percu-Sirene.zip</a>	Setup		percussion sets pictures
<a href="#">FicheTecSirene2006oslo.pdf</a>	Technical rider	Franck Rossi	
<a href="#">KEYBOARD A.pdf</a>	Score	Luca Francesconi	keyboard A (sampler) score
<a href="#">KEYBOARD B .pdf</a>	Score	Luca Francesconi	keyboard B (event triggers) score
<a href="#">LF_S_97-FR.pdf</a>	Cahier d'exploitation	Marc Battier	historic "cahier d'exploitation" for reference
<a href="#">Oslo.pdf</a>	Setup	Franck Rossi	Loudspeaker and audio setup plan
<a href="#">Sirene-Gespenter-2013.dmg</a>	Patch		
<a href="#">Sirene-Gespenter-Sampler2013.dmg</a>	Sound banks	Serge Lemouton	

## Instructions

### Loudspeaker, audio and stage setup



### Midi setup

load the akai sampler using the ak.sys software, optionnally you can use the virtual sampler (see below)

### Software installation

set the Max Preferences file path to the /snd/ and /lib/ folders

### Initialization routine and Patch presentation

Open *Sirene-concert-max6-untested-018.maxpat* main patch and follow the instructions on the main patch :

**SIRENE MSP**

niveaux 4 pistes et sfplay et traitements faire une normalisation voir facs Matit click ? voir les resets de chaque message

1: load soundfiles    2: set OMS input    3: choose audio driver turn on dac    4: turn on MIDI

patcher load    to MaxMSP 1    keyboard/OMS    note vel chan    On/Off pour voir les données

DSP open    DAC:    MIDI:    DAC ON/OFF    MIDI ON/OFF

**please load sounds**

**please test midi**    comment

stop sound and reset    Current Event    start Tubi-tornado public entrance    p midifader

0    advance    program change 1 2    program change 16 = reset

intelligent-dac 8 1 2 3 4 5 6 7 8    master level -3.27

p Midi    p adc+sfplay+spat    p spat\_control

0    0    program note C-1

### Software Sampler (sampler~ version)

The Akai sampler can be replaced by a software solution.

Start *sirenes-gespenter-sampler-mono.v1.maxpat* with max6.1.

NB : Max File preferences should point to :

- Sirene-Gespenter-Sampler2013:/Sirene-Gespenter-Sampler2013

This max patch uses the sampler~ object to emulate the hardware sampler.

sirenes-gespenter-sampler-mono.v1 (presentation)

**Francesconi - sirenes/gespenter soft sampler**

CHANNEL 0    p midi-inputs    p loop-points    Fireface 800 (2EC) P..

0 1 2 3 4 5 6 7 8 9 10 11 12 13

PIANO HC2 -L.wav    60.00 21 38 1 127 0 0 0.00 24.00

PIANO HD#2-L.wav    60.00 39 42 1 127 0 0 0.00 21.00

PIANO HA2 -L.wav    60.00 43 50 1 127 0 0 0.00 15.00

PIANO HD#3-L.wav    60.00 47 54 1 127 0 0 0.00 9.00

PIANO HA3 -L.wav    60.00 55 59 1 127 0 0 0.00 3.00

PIANO HF#4-L.wav    60.00 60 67 1 127 0 0 0.00 -6.00

PIANO HC5 -L.wav    60.00 68 120 1 127 0 0 0.00 -12.00

PIANO HF#5-L.wav    60.00 74 120 1 127 0 0 0.00 -18.00

PIANO HA5 -L.wav    60.00 80 120 1 127 0 0 0.00 -21.00

PIANO HC2 -L.wav    60.00 21 38 1 127 0 0 0.00 24.00

PIANO HD#2-L.wav    60.00 39 43 1 127 0 0 0.00 21.00

PIANO HA2 -L.wav    60.00 44 46 1 127 0 0 0.00 15.00

PIANO HD#3-L.wav    60.00 47 54 1 127 0 0 0.00 9.00

PIANO HA3 -L.wav    60.00 55 59 1 127 0 0 0.00 3.00

active voices 0



Soundbanks :

1. Sirenes1
2. Sirenes2
3. Sirenes3
4. OFF
5. Sirenes5

All these 5 sound banks are completely described into the "sirene-gespenter-*multis*" text file, using the following syntax :

```
0, 1 "PIANO HC2 -L.wav" 60. 21 38 1 127 0 0 0. 24.;
1, 1 "PIANO HD#2-L.wav" 60. 39 42 1 127 0 0 0. 21.;
2, 1 "PIANO HA2 -L.wav" 60. 43 50 1 127 0 0 0. 15.;
3, 1 "PIANO HD#3-L.wav" 60. 47 54 1 127 0 0 0. 9.;
4, 1 "PIANO HA3 -L.wav" 60. 55 59 1 127 0 0 0. 3.;
5, 1 "PIANO HF#4-L.wav" 60. 60 67 1 127 0 0 0. -6.;
6, 1 "PIANO HC5 -L.wav" 60. 68 120 1 127 0 0 0. -12.;
7, 1 "PIANO HF#5-L.wav" 60. 74 120 1 127 0 0 0. -18.;
8, 1 "PIANO HA5 -L.wav" 60. 80 120 1 127 0 0 0. -21.;
9, 2 "PIANO HC2 -L.wav" 60. 21 38 1 127 0 0 0. 24.;
10, 2 "PIANO HD#2-L.wav" 60. 39 43 1 127 0 0 0. 21.;
11, 2 "PIANO HA2 -L.wav" 60. 44 46 1 127 0 0 0. 15.;
12, 2 "PIANO HD#3-L.wav" 60. 47 54 1 127 0 0 0. 9.;
13, 2 "PIANO HA3 -L.wav" 60. 55 59 1 127 0 0 0. 3.;
14, 2 "PIANO HF#4-L.wav" 60. 60 67 1 127 0 0 0. -6.;
15, 2 "PIANO HC5 -L.wav" 60. 68 120 1 127 0 0 0. -12.;
16, 2 "PIANO HF#5-L.wav" 60. 74 120 1 127 0 0 0. -18.;
17, 2 "PIANO HA5 -L.wav" 60. 80 120 1 127 0 0 0. -21.;
18, 2 "PIANO A#0-L.wav" 60. 21 28 1 127 0 0 0. 36. -11.2;
19, 2 "PIANO G1 -L.wav" 60. 29 34 1 127 0 0 0. 29. -11.2;
20, 2 "PIANO D2 -L.wav" 60. 35 40 1 127 0 0 0. 22. -11.2;
21, 2 "PIANO G#2-L.wav" 60. 41 47 1 127 0 0 0. 16. -11.2;
22, 2 "PIANO D#3-L.wav" 60. 48 54 1 127 0 0 0. 9. -11.2;
23, 2 "PIANO A#3 -L.wav" 60. 55 62 1 127 0 0 0. 2. -11.2;
24, 2 "PIANO F4 -L.wav" 60. 63 70 1 127 0 0 0. -5. -11.2;
25, 2 "PIANO B4 -L.wav" 60. 71 82 1 127 0 0 0. -11. -11.2;
26, 2 "PIANO G5 -L.wav" 60. 83 120 1 127 0 0 0. -19. -11.2;
27, 3 VENTICELLOVV.wav 60. 21 120 1 127 0 0 0. -4.;
28, 3 "CORO 6 LOOP.wav" 60. 21 120 1 127 0 0 0. -9.;
29, 3 RESPANIVIESO.wav 60. 21 57 1 127 0 0 0. 12.;
30, 3 "CLYMIB4 -L.wav" 60. 21 63 1 127 0 0 0. -15.;
```

31, 3 "CLYFAD4 -L.wav" 60. 64 65 1 127 0 0 0. -18.;

32, 3 "CLYLA4 -L.wav" 60. 66 120 1 127 0 0 0. -21.;

33, 3 "CLCMIB3 -L.wav" 60. 21 65 1 127 0 0 0. -3.;

34, 3 "CLCFAD3 -L.wav" 60. 66 68 1 127 0 0 0. -6.;

35, 3 "CLCLA3 -L.wav" 60. 69 71 1 127 0 0 0. -9.;

36, 3 "CLCDO4 -L.wav" 60. 72 74 1 127 0 0 0. -12.;

37, 3 "CLCMIB4 -L.wav" 60. 73 75 1 127 0 0 0. -15.;

38, 3 "CLCFAD4 -L.wav" 60. 76 120 1 127 0 0 0. -18.;

39, 5 VENTICELLOVV.wav 60. 21 120 1 127 0 0 0. -4.;

40, 5 "CORO 6 LOOP.wav" 60. 21 120 1 127 0 0 0. -9.;

41, 5 RESPANIVIESO.wav 60. 21 57 1 127 0 0 0. 12.;

42, 5 "CLYMIB4 -L.wav" 60. 21 63 1 127 0 0 0. -15.;

43, 5 "CLYFAD4 -L.wav" 60. 64 65 1 127 0 0 0. -18.;

44, 5 "CLYLA4 -L.wav" 60. 66 120 1 127 0 0 0. -21.;

45, 5 "CLCMIB3 -L.wav" 60. 21 65 1 127 0 0 0. -3.;


46, 5 "CLCFAD3 -L.wav" 60. 66 68 1 127 0 0 0. -6.;

47, 5 "CLCLA3 -L.wav" 60. 69 71 1 127 0 0 0. -9.;

48, 5 "CLCDO4 -L.wav" 60. 72 74 1 127 0 0 0. -12.;

49, 5 "CLCMIB4 -L.wav" 60. 73 75 1 127 0 0 0. -15.;

50, 5 "CLCFAD4 -L.wav" 60. 76 120 1 127 0 0 0. -18.;

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