

Sasha J. Blondeau  
*Urphänomen II b*  
2020  
premiere  
2020



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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. 8, 2020, France, Paris, Radio France, Studio 104

### Detailed staff

- piano

### Realisation

- Serge Lemouton

### Useful links on Brahms

- [Urphänomen II b](#) for piano and electronics (2020), 10mn
- [Sasha J. Blondeau](#)

## Version related information

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First performance

Performance date: Feb. 8, 2020

Documentation date: Feb. 11, 2020

Version state: valid, validation date : May 7, 2020, update : March 24, 2021, 3:01 p.m.

## Documentalist

Serge Lemouton (Serge.Lemouton@ircam.fr)

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

## Realisation

- Bagnoli Luca (Sound engineer)
- Sasha J. Blondeau (Composer)
- Philippe Hattat (Performer)

Default work length: 10 mn

**No other version available**

## Electronic equipment list

### Computer Music Equipment

- 1 MacBook Pro - *Apple Laptops* (Apple)
- 1 iPad - *Tablets* (Apple)  
with mira software
- 1 Max 8 - *Max* (Cycling74)
- 1 antescofo~ - *External objects* (Ircam)  
v1.0-267
- 1 Ircam Spat - *Library* (Ircam)  
spat5.panoramix
- 1 Mira - *Library* (Cycling74)
- 1 Csound - *Sound Synthesis* (csounds.com)  
v6.10.0

### Audio Equipment

- 2 Microphone - *Microphone*
- 8 Loudspeaker - *Loudspeakers*
- 1 subwoofer - *Subwoofers*
- 5 Transducer - *Transducers*  
in the piano

**Files**

<b>File</b>	<b>Type</b>	<b>Author(s)</b>	<b>Comment</b>
<a href="#">Radio France Documentation</a>	Document	Herve Bouley	
<a href="#">UrphanomenIIb.dmg</a>	Patch	Sasha J. Blondeau	
<a href="#">Urphanomen IIb score</a>	Score	Sasha Blondeau	
<a href="#">RadioFrance Recording</a>	Recording(s)	Radio France	concert stereo recording - Radio France Broadcast Mix

## Instructions

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# Urphanomen Iib Sasha J.Blondeau

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## Electroacoustic setup description

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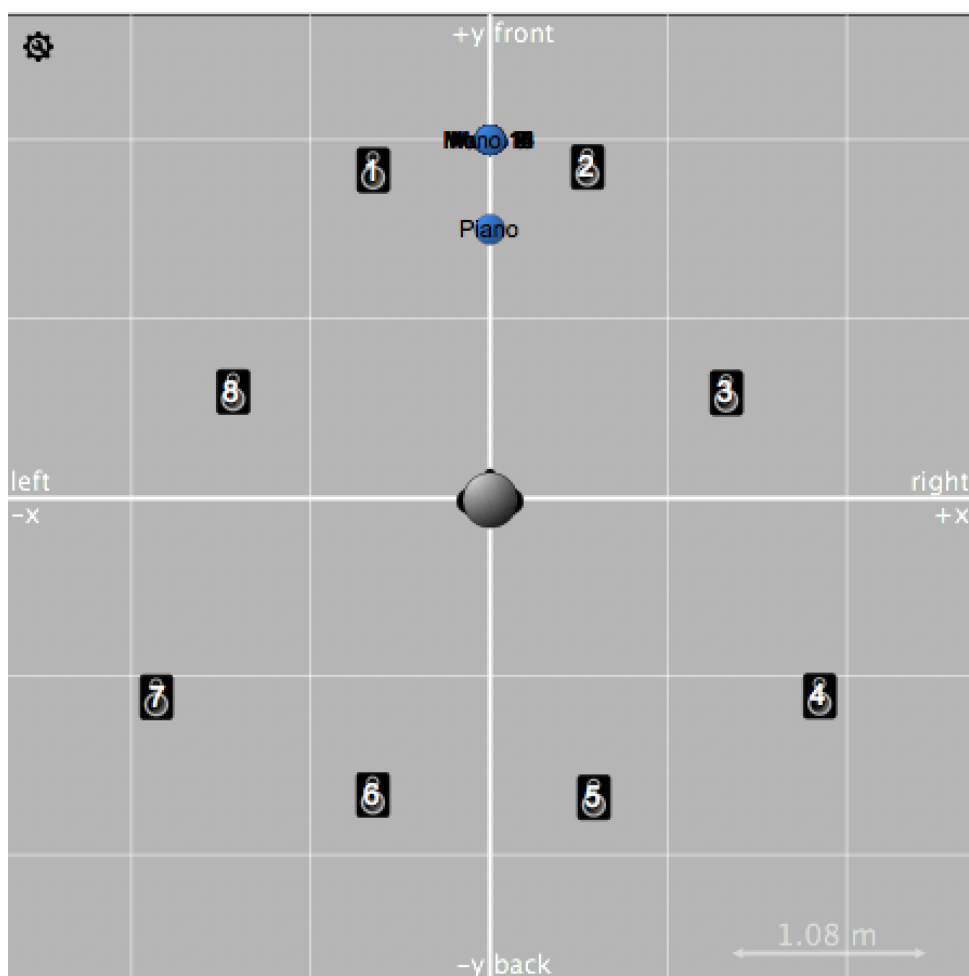
All the synthetic sounds of the electroacoustic part of Urphanomen IIB are generated by csound, spatialised with Ircam Spatialisateur (panoramix) around the audience and synchronised with the instrumental part with antescofo.

Transducers inside the instrument are used to project some electronic sounds to the piano table.

## Loudspeaker setup

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8 loudspeakers around the audience :



1 subwoofer

## dac

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- outputs 15/22 around the audience
- outputs 1/5 to the piano transducers

## adc

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input : mono mix from the piano microphones

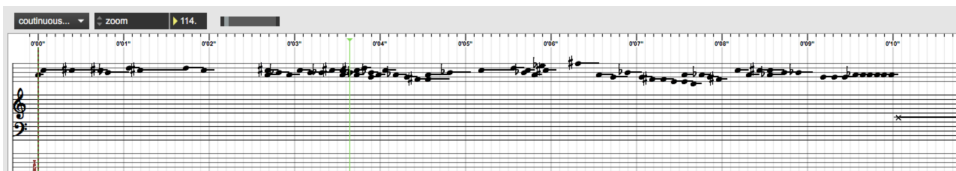
# MAX patch

## installation

- install csound
- required Csound version 6.10 (double samples) Dec 21 2017 [commit: 3bc82359c20c6c35cf0240b9fe8c8fb4ad29ddf4] - warning : due to a bug in csound version > 6.10 are not compatible !
- `csound-esound v1.1.3(vb+)`
- install the ircam-spat package
- install the bach package
- start max 8
- add the *ur-max*, *ur-simulation* and *install* folders to the max path

## score following

- open the *urph-locator.maxproj* project
- the *urph-locator* patch was developed using the *bach* library to replace the discontinued *ascograph* to monitor the score following.



- for rhythmic precision and safety some cues are to be triggered manually : In the antescofo score, all labels starting with “D\_” should be triggered manually.

## patch presentation



## simulation

The patch can be tested before the rehearsal with the provided recording of the solo piano part.

## keyboard shortcuts

- c - start csound
- a - antescofo start
- g - start from last label
- up arrow : next label
- s : suivi ON
- S : suivi OFF




- escape : to stop

## startup/concert checklist

Before starting the concert :

- open the *urph-locator.maxproj* project
- open the *URPH\_Ilv3.patch*
- start dsp
- press c to initialize csound
- adjust the piano input level (“*niveau d’entrée*”)
- startfrom mes1
- press s to launch the score follower when the pianist is ready to start.

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