

Franck Bedrossian

Twist

2016

Twist Philar Paris
2019



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

Table of Contents

Table of Contents	2
Work related information	3
Performance details	3
Detailed staff	3
Realisation	3
Useful links on Brahms	3
Version related information	4
Documentalist	4
Realisation	4
No other version available	4
Electronic equipment list	5
Computer Music Equipment	5
Audio Equipment	5
Files	6
Instructions	7
Intro	7
Installation	7
Setup + Performance	7

Work related information

Performance details

- Oct. 16, 2016, Allemagne, Donaueschingen, Donaueschinger Musiktage

Publisher : Verlag Neue Musik

Detailed staff

- 3 flutes, 3 clarinets, 3 bassoons, 4 saxophones, 4 horns, 3 trumpets, 3 trombones, tuba, timpani, 3 percussionists, piano [préparé], electronic/MIDI keyboard/synthesizer, accordion, electric guitar, strings

Realisation

- Robin Meier

Useful links on Brahms

- [Twist for orchestra and electronics \(2016\), 11mn](#)
- [Franck Bedrossian](#)

Version related information

Performance date: June 7, 2019

Documentation date: Sept. 6, 2019

Version state: valid, validation date : June 3, 2020, update : May 6, 2021, 3:09 p.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

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

Version length: 11 mn

Default work length: 11 mn

No other version available

Electronic equipment list

Computer Music Equipment

- 1 Live - *Music Software* (Ableton)
v.9.1
- 1 Max 7 - *Max* (Cycling74)
- 1 Altiverb - *Audio Plugin* (AudioEase)
v.7
- 1 BCF 2000 - *MIDI Mixer* (Behringer)
- 1 Footswitch / Sustain Pedal - *Footswitch / Sustain Pedal*
to trigger the cues (for the conductor or the keyboard player)

Audio Equipment

- 1 ear-monitor - *Headphones*
click track for the conductor

Files

File	Type	Author(s)	Comment
ableton session + max patch	All-in-one	robin meier	
click track files for conductor	Audio file(s)	robin meier	
documentation twist bedrossia	Document	robin meier	
SCORE with pedal cues	Score	robin meier	
sound files	Audio file(s)	robin meier	

Instructions

Intro

This was run on live 9.1 and max 7 (64bit)

although untested I see no reason why it shouldn't run on live 10 with max 8.

the conductor needs headphones for the clicktrack

pedal triggers are usually done by the fender rhodes + conductor. this has to be negotiated with the musicians...

Installation

copy twist-bedrossian-2016

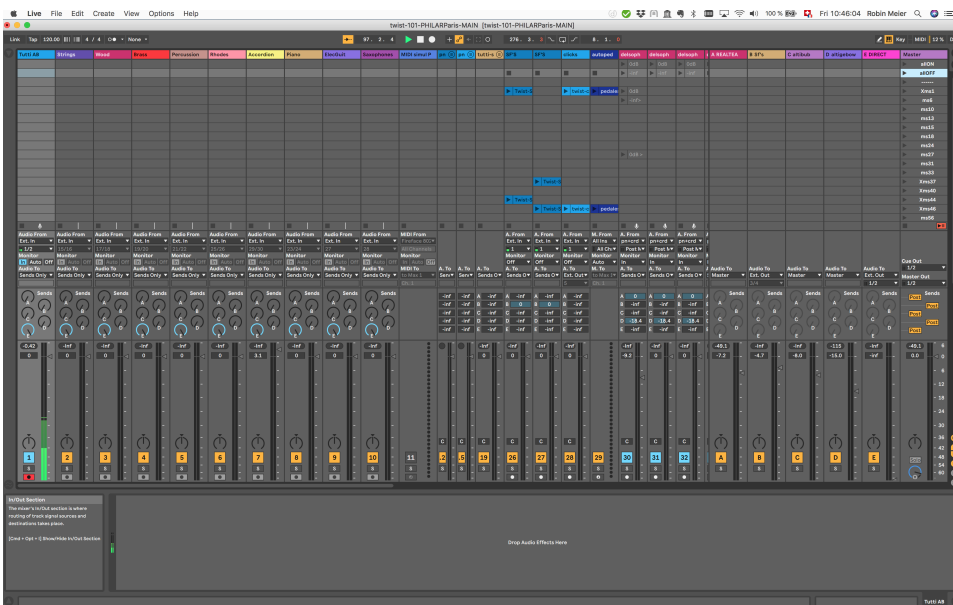
install altverb 7

add twist-bedrossian-2016 to max searchpath

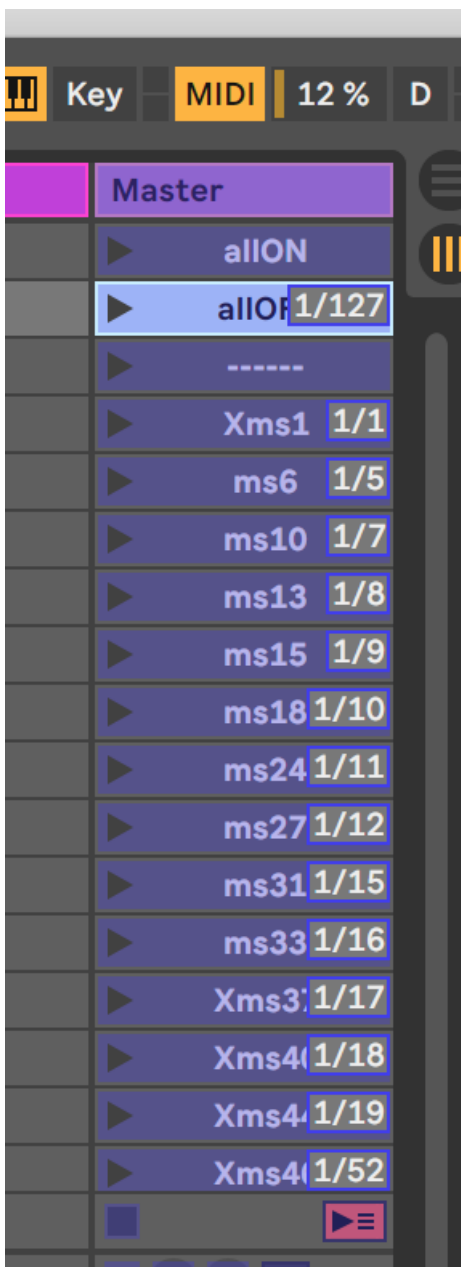
Setup + Performance

Max Patch, Ableton Live Session and soundfiles are at 48kHz

open twist-101-PHILARParis-MAIN with outputs on the console muted



trigger the scene called allOFF to mute all effects and outputs



in live preferences activate midi input for max1 and max 2 and output 1 and 2 also

activate remote midi for input max 1 and 2

activate audio units

make sure live uses max7 64b

switch all bcf faders to channel 16

fader 16/1 is for realtime (aux)

16/2 soundfiles (aux)

16/8 master

C...	Note/Control ▲	Path	Name	Min	Max
16	CC 0	Master Mixer	Track Volume	-inf dB	6.0 dB
1	CC 1	Master	Scene 4		
16	CC 1	A-REALTEA Mixer	Track Volume	-inf dB	6.0 dB
16	CC 2	B-Sf's Mixer	Track Volume	-inf dB	6.0 dB
1	CC 5	Master	Scene 5		
1	CC 7	Master	Scene 6		
1	CC 8	Master	Scene 7		
1	CC 9	Master	Scene 8		
1	CC 10	Master	Scene 9		
1	CC 11	Master	Scene 10		
1	CC 12	Master	Scene 11		
1	CC 15	Master	Scene 12		
1	CC 16	Master	Scene 13		
1	CC 17	Master	Scene 14		
1	CC 18	Master	Scene 15		
1	CC 19	Master	Scene 16		
1	CC 20	Master	Scene 18		
1	CC 21	Master	Scene 20		
1	CC 23	Master	Scene 21		
1	CC 26	Master	Scene 23		
1	CC 27	Master	Scene 24		
1	CC 29	Master	Scene 25		
1	CC 30	Master	Scene 26		
1	CC 31	Master	Scene 27		
1	CC 32	Master	Scene 29		
1	CC 35	Master	Scene 36		
1	CC 36	Master	Scene 37		
1	CC 37	Master	Scene 39		
1	CC 38	Master	Scene 41		
1	CC 40	Master	Scene 42		
1	CC 42	Master	Scene 44		
1	CC 44	Master	Scene 45		
1	CC 45	Master	Scene 46		
1	CC 47	Master	Scene 47		
1	CC 48	Master	Scene 48		
1	CC 49	Master	Scene 49		
1	CC 50	Master	Scene 50		
1	CC 52	Master	Scene 17		
1	CC 53	Master	Scene 19		
1	CC 54	Master	Scene 22		
1	CC 56	Master	Scene 38		
1	CC 57	Master	Scene 28		
1	CC 58	Master	Scene 30		
1	CC 59	Master	Scene 31		

open twist-remote.maxpat in MAX 7



in the twist-remote subpatcher, make sure that midiout is set to “from Max 1” so it is received by ableton.

each event sends out a specific midi note number that is (midi-)mapped in live to a the corresponding scene

use escape key to reset everything


use arrow keys to prepare next event

use spacebar to trigger next event

activate pedal when performing

attention: pedal must arrive on different channel from “from max” otherwise it triggers ableton scenes

first event has 4 beat count-off in the clicktrack, before playing the first soundfile

© IRCAM  BY-NC-ND

This documentation is licensed under a [Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License](https://creativecommons.org/licenses/by-nc-nd/4.0/).

Version documentation creation date: Sept. 6, 2019, 3:01 p.m., update date: May 6, 2021, 3:09 p.m.