

Technical Rider

Mauro Lanza
'The 1987 Max Headroom Broadcast Incident'

String Quartet and electronics.
Duration : 11 min

Creation at Friche la Belle de Mai, Marseille, 15th May 2017.

Quatuor Diotima
Yun-Peng Zhao, violon
Constance Ronzatti, violon
Franck Chevalier, viola
Pierre Morlet, cello
Manuel Poletti, computer music designer Ircam

The four instruments of the string quartet are equipped with actuators broadcasting electronics sounds (real time treatments and sound files) sent from the computer located at mixing desk.

CONTACT

IRCAM
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- Sound Engineer: jeremie.bourgogne@ircam.fr / 06.75.73.13.35

**The organizer should provide a plan and section of the venue (stage and house), with a technical rider.
The required equipment below should be modified, according to the venue (size, technical settings).**

SOUND

provided by the organizer

The mixer and computer regie must be in the hall and centered. Never placed in a close room or under a balcony. The regie table for computers should be about 3 meters long, and need 2 lights.

Specific power supply for sound equipment: 1*16A

Specific power supply for computers: 1*16A / 10 plugs.

Internet wire connection must be provided at the mixing desk.

16 audio lines between the mixing desk and the stage.

- Mixing Desk & Outboard

- 1 * digital mixing desk with minimum 8 microphones input, 16 mix bus and 4 stereo matrix + 32 Dante or ADAT in and Out (→ *Recommended*: 1 Yamaha CL1, QL5 or DM2000)

- 2 * Yamaha Card MY16-AT Double ADAT (if no Dante)

- 1* Reverb type Lexicon PCM 92

- Adapted connections (analog, WC, ADAT, AES)

- Loudspeakers

Electronic sounds are broadcast through the actuators on the instruments.

There also needs 4 additional loudspeakers on stands (type D&B E12) behind the musicians.

We also need to use the FOH sound system for support the electronic sounds and the strings.

Thanks to provide a layout plan of the FOH sound system of the hall.

provided by IRCAM

- Strings actuators

- Actuators

- o 3 teax19c01-8 for violins and viola
- o 1 teax25c10-8 for cello

- Amplifiers

- o 4 Dayton DTA-1

- Green Schertler adhesive putty

- Microphones

- 4 * DPA 4061 with violin clip

- 4 * DPA 4021

- Computing

- 2 * Apple MacbookPro Retina with DVS

- 2 * audio interface RME Fireface 800 (if no Dante)

- Other

- 1* HF In ear monitor with 4 receivers (for click track)

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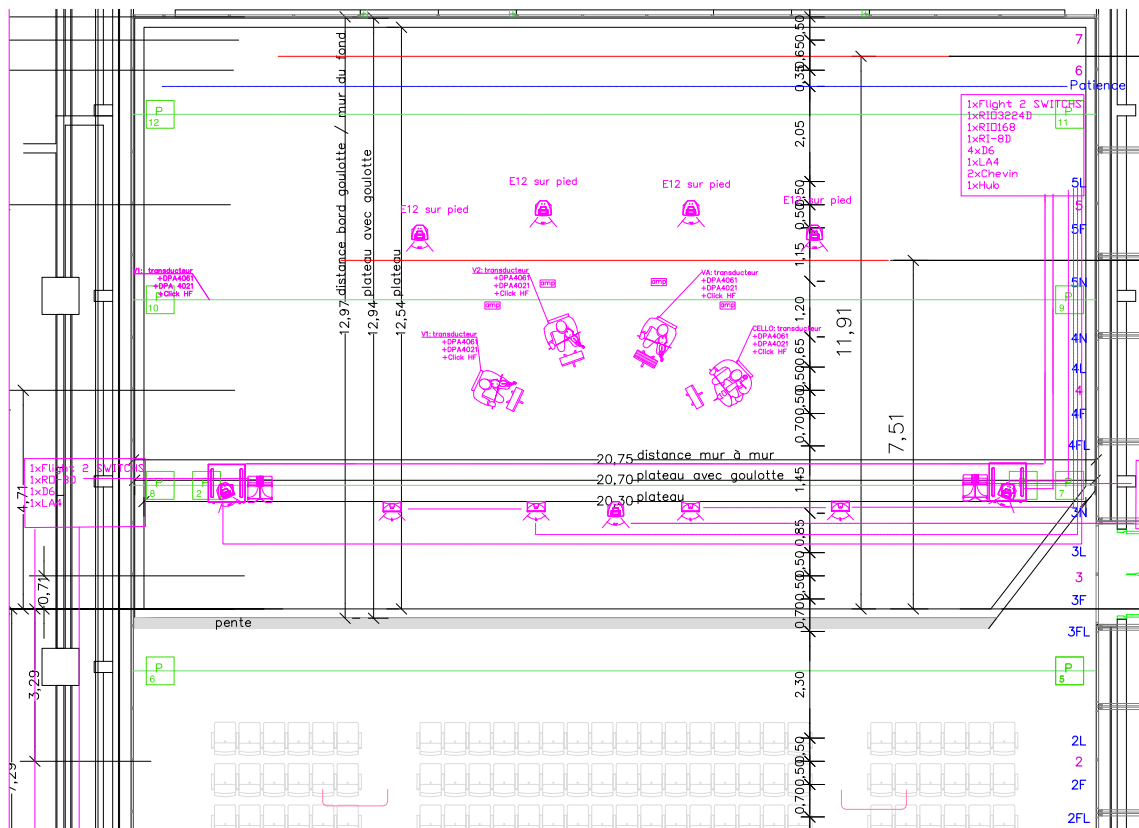
PATCH CONSOLE

INPUT PATCH LANZA				
CH	DANTE IN	INPUT	NAME	NOTE
1	Dante 1	RIO32 in 1	DPA 4061 Violin 1	Amplification
2	Dante 2	RIO32 in 2	DPA 4061 Violin 2	Amplification
3	Dante 3	RIO32 in 3	DPA 4061 Alto	Amplification
4	Dante 4	RIO32 in 4	DPA 4061 Cello	Amplification
5	Dante 5	RIO32 in 5	DPA 4021 Violin 1	Amplification
6	Dante 6	RIO32 in 6	DPA 4021 Violin 2	Amplification
7	Dante 7	RIO32 in 7	DPA 4021 Viola	Amplification
8	Dante 8	RIO32 in 8	DPA 4021 Cello	Amplification
9		AES	PCM 92 L	SLOT 3 in1
10		AES	PCM 92 R	SLOT 3 in2
11	Dante 11			
12	Dante 12			
13	Dante 21	DVS Mac Main	Mac main out 5	ST FOH L
14	Dante 22	DVS Mac Main	Mac main out 6	ST FOH L
15	Dante 23	DVS Mac Main	Mac main out 7	ST FOH R
16	Dante 24	DVS Mac Main	Mac main out 8	ST FOH R
17	Dante 17	DVS Mac Main	Mac main out 1	Transducteur 1
18	Dante 18	DVS Mac Main	Mac main out 2	Transducteur 2
19	Dante 19	DVS Mac Main	Mac main out 3	Transducteur 3
20	Dante 20	DVS Mac Main	Mac main out 4	Transducteur 4
21	Dante 21	DVS Mac Main	Mac main out 5	HP 1
22	Dante 22	DVS Mac Main	Mac main out 6	HP 2
23	Dante 23	DVS Mac Main	Mac main out 7	HP 3
24	Dante 24	DVS Mac Main	Mac main out 8	HP 4
25	Dante 25	DVS Mac Main	Mac main out 9	RVRB 1 L
26	Dante 26	DVS Mac Main	Mac main out 10	RVRB 1 R
27	Dante 27	DVS Mac Main	Mac main out 11	RVRB 2 L
28	Dante 28	DVS Mac Main	Mac main out 12	RVRB 2 R
29	Dante 29	DVS Mac Main	Mac main out 13	Click Track
30	Dante 30			
31	Dante 31			
32	Dante 32			
33	Dante 1	RIO32 in 1	DPA 4061 Violin 1	D.OUT MAC MAIN
34	Dante 2	RIO32 in 2	DPA 4061 Violin 2	D.OUT MAC MAIN
35	Dante 3	RIO32 in 3	DPA 4061 Alto	D.OUT MAC MAIN
36	Dante 4	RIO32 in 4	DPA 4061 Cello	D.OUT MAC MAIN
37				
38				
39	Dante 39	DVS Jérémie	DVS out 1	MAC JER
40	Dante 40	DVS Jérémie	DVS out 2	MAC JER
41	Dante 41	OMNI 1	Mic	SONDE
42	Dante 42	DVS Jérémie	DVS out 4	SMAART
43				
44				
45	Dante 53	DVS Mac Spare	Mac spare out 5	ST FOH L

46	Dante 54	DVS Mac Spare	Mac spare out 6	ST FOH L
47	Dante 55	DVS Mac Spare	Mac spare out 7	ST FOH R
48	Dante 56	DVS Mac Spare	Mac spare out 8	ST FOH R
49	Dante 49	DVS Mac Spare	Mac spare out 1	Transducteur 1
50	Dante 50	DVS Mac Spare	Mac spare out 2	Transducteur 2
51	Dante 51	DVS Mac Spare	Mac spare out 3	Transducteur 3
52	Dante 52	DVS Mac Spare	Mac spare out 4	Transducteur 4
53	Dante 53	DVS Mac Spare	Mac spare out 5	HP 1
54	Dante 54	DVS Mac Spare	Mac spare out 6	HP 2
55	Dante 55	DVS Mac Spare	Mac spare out 7	HP 3
56	Dante 56	DVS Mac Spare	Mac spare out 8	HP 4
57	Dante 57	DVS Mac Spare	Mac spare out 9	RVRB 1 L
58	Dante 58	DVS Mac Spare	Mac spare out 10	RVRB 1 R
59	Dante 59	DVS Mac Spare	Mac spare out 11	RVRB 2 L
60	Dante 60	DVS Mac Spare	Mac spare out 12	RVRB 2 R
61	Dante 61	DVS Mac Spare	Mac spare out 13	Click Track
62	Dante 62			
63	Dante 63			
64	Dante 64			

OUT PATCH			
BUS	Dante	Rio Ro Slot out	DEVICE
MIX 1	Dante 1	Rio32 out 1	SUBS MONO
MIX 2	Dante 2	Rio32 out 2	Ear monitor G3
MIX 3	Dante 3	Rio32 out 9	Actuator V1 - fixed
MIX 4	Dante 4	Rio32 out 10	Actuator V2 - fixed
MIX 5	Dante 5	Rio32 out 11	Actuator Alto - fixed
MIX 6	Dante 6	Rio32 out 12	Actuator Cello - fixed
MIX 7	Dante 7	Rio32 out AES 1	E12 Back 1
MIX 8	Dante 8	Rio32 out AES 2	E12 Back 2
MIX 9	Dante 9	Rio32 out AES 3	E12 Back 3
MIX 10	Dante 10	Rio32 out AES 4	E12 Back 4
MIX 11	Dante 11	SLOT 3 out 1	PCM 92 L
MIX 12	Dante 12	SLOT 3 out 1	PCM 92 R
MIX 13	Dante 13	DVS	adc 1
MIX 14	Dante 14	DVS	adc 2
MIX 15	Dante 15	DVS	adc 3
MIX 16	Dante 16	DVS	adc 4
MTX 1	Dante 17	Ro Jar out 1	Kiva L
MTX 2	Dante 18	Ro cour out 1	Kiva R
MTX 3	Dante 19	Rio32 out 5	D&b E12 L lo
MTX 4	Dante 20	Rio32 out 6	D&b E12 R lo
MTX 5	Dante 21	Rio32 out 3	D&b E8 FF L
MTX 6	Dante 22	Rio32 out 4	D&b E8 FF R
MTX 7			
MTX 8			

PLAN



LIGHT

provided by the organizer

Thanks to provide a cosy lighting adapted for the string quartet and which could hide as possible the four back speakers.

For the Ashley Fure piece, the musicians are in line, face to the audience.
For the Mauro Lanza piece, they are in arc of circle, slightly further as usual.

BACKLINE

provided by the organizer

- 4 low lecterns
- 4 chairs
- 6 high microphone stands
- 1 low microphone stands

provided by IRCAM

- 4 stands for violins, alto and cello

SCHEDULE

TBD

PHOTOS



Violin and viola actuators



Cello actuator

