

# **Shel(l)ter - später... ( ) ...Winter**

for clarinet, bassoon, cello, three percussions and electronics

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(14'40)

## **TECHNICAL RIDER - 2010**

- 1- Power.**
- 2- Sound System.**
  - 2-1 FOH.**
  - 2-2 Monitors.**
- 3- FOH.**
- 4- Mics.**
- 5- Stage.**
- 6- Team.**
- 7- Backline.**
- 8- Ensemble.**
- 9- Input Patch.**
- 10- Output Patch.**

### **1- Power.**

- 1 x 230 V 32A or 63A phase for all sound equipment.

### **2- Sound System.**

#### **2-1 FOH.**

One high quality stereo system with pre-processing and amplification (d&b or L-acoustic).

A Line array system could be used if adapted to the acoustic specifications of the venue.

- 2 subwoofers with pre-processing and amplification (d&b or L-acoustic).
- 2 speakers with pre-processing and amplification on subwoofers (front fill).
- 1 wide coverage cluster in the centre, with pre-processing and amplification (d&b or L-acoustic).
- 4 wide coverage speakers around the audience area with pre-processing and amplification (d&b or L-acoustic).

Whatever case, discussions are needed to define the final appropriate setup.

#### **2-2 Monitors.**

- 2 wedge monitors on 1 circuit similar to 108xt l-acoustic or E3 d&b (for the conductor).

### **3- FOH.**

- 1 Yamaha DM2000 with following optional cards (see the patch for details):
  - 2 x MY8DA96 (slot 1 and 2) + sub.
  - 1 MY16AT (slot 3).
  - 1 x MY8DA96 (slot 4) for recording option.
  - 1 Yamaha AD8HR (+ sub-D AES-Sync + RS422).
  - 1 Apogee Bigben master clock with bnc cables.
  - 1 mic/line connection between stage and FOH with independent neutral phase (the latter being dedicated to Midi).
  - 1 PCM91Lexicon reverb (with AES cables).
  - 4 DN370 Klark Teknik.
  - 1 CD player with auto-stop or auto-ready mode and remote control.
- The mixing desk and the computers must be placed in the middle of the concert hall.
- 1 MacBook Pro Apple.
  - 1 RME FF400 sound card.
  - 1 Midi fader controller.
  - All cables and connections needed.

- 27 mic/line multicore for the stage to FOH connection (minimum).
- Power supply connectors.

#### 4- Microphones.

- See the patch.
- 27 channels of active splitter if recording.

#### 5- Stage.

- Heavy black curtains on the three sides of the stage to reduce acoustic reverb.
- Mic stands with boom according to the patch.
- 4 stage boxes spread for sub-patching.
- Power supply for conductor.

#### 6- Team.

- 2 sound technicians for setup and performances.
- 2 technicians for setup and rigging.

#### 7- Backline.

- 1 pedal to trigger the electronic part.
- 2 Midi/XLR M adaptors.
- 2 Midi/XLR F adaptors.
- 1 Midi booster.
- 1 switch to a Midi converter.

#### 8- Ensemble.

1 clarinet (B flat and bass) 1 bassoon 1 cello	3 sets of percussions
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#### 9- Input Patch.

	Sources	Mics/connection	Stands	Notes	adc
1	Clar	DPA4061	no	Lavalier	
2	High Clar	C535	big		
3	Bass Clar	C535 (-10dB)	small		
4	Bassoon	DPA4061	no	Lavalier	
5	Bassoon	DPA4061	no	On the instrument	
6	Bassoon	KM150	small		
7	Cello	DPA4061+MHS6001	no		
8	Perc1.1	KM184	big		
9	Perc1.2	C414	big		
10	Perc1.3	C414	big		
11	Perc1.4	KM184	big		
12	Perc2.1	KM184	big		
13	Perc2.2	C414	big		
14	Perc2.3	C414	big		
15	Perc2.4	KM184	big		
24	Perc3.1	KM184	big		
25	Perc3.2	C414	big		
26	Perc3.3	C414	big		
27	Perc3.4	KM184	big		

20	dac 1	adat slot 3.1	no	FF400	
21	dac 2	adat slot 3.2	no	FF400	
22	dac 3	adat slot 3.3	no	FF400	
23	dac 4	adat slot 3.4	no	FF400	
24	dac 5	adat slot 3.5	no	FF400	
25	dac 6	adat slot 3.6	no	FF400	
26	dac 7	adat slot 3.7	no	FF400	
27	dac 8	adat slot 3.8	no	FF400	

**10- Output Patch.**

	Outputs	Bus	Target	Notes
1	Slot1.1	Matrix 1L	Left	+ internal 30bands EQ 1
2	Slot1.2	Matrix 1R	Right	+ internal 30bands EQ 1
3	Slot1.3	aux1	Centre	+ internal 30bands EQ 1
4	Slot1.4	Matrix 2L	Stage Left (on sub)	+ internal 30bands EQ 1
5	Slot1.5	Matrix 2R	Stage Right (on sub)	+ internal 30bands EQ 1
6	Slot1.6	bus3	Side Left	+ internal 30bands EQ 1
7	Slot1.7	bus4	Side Right	+ DN370
8	Slot1.8	bus5	Rear Left	+ DN370
9	Slot2.1	bus6	Rear Right	+ DN370
10	Slot2.2	aux2	Wedge Monitors	Conductor
11	Slot2.3	aux3	Subwoofer L	
12	Slot2.4	aux4	Subwoofer R	
13	Slot2.5	aux5		
14	Slot2.6	aux6		
15	Slot3.1	aux7	adc1 FF400	
16	Slot3.2	aux8	adc2 FF400	
17	Slot3.3	aux9	adc3 FF400	
18	Slot3.4	aux10	adc4 FF400	
19	Slot3.5	aux11	adc5 FF400	
20	Slot3.6	aux12	adc6 FF400	

## SETUP OF THE LOUDSPEAKERS

6.0 ProTools Session.

C: Centre

LC: Left Front

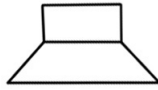
RC: Right Front

LS: Left Surround

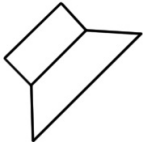
RS: Right Surround

RS: Surround

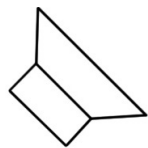
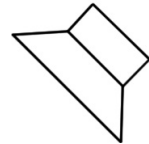
2 (C)



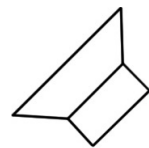
1 (L)



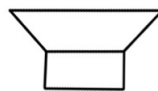
3 (R)



6 (LS)



4 (RS)



5 (CS)