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## Technical specification – Sound equipment

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# Sidsel Endresen : Christian Wallumrød : Helge Sten – Trio

## 2004

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In case of problems meeting this specification, please do not hesitate to contact the artist through your contact. We ask local promoters or sound engineers not to make changes from this spec, on behalf of the artist, without confirming with artist or representative.

**Brands and types of sound equipment is meant as quality guidance, and not as absolute requirements if not stated specifically.**

### Equipment quality :

Sound equipment must be of high standard and free from audible noise. Mixing desk must be in a good position in the audience area to ensure good control possibilities. Equipment generating noise, such as amplifier-fans, must not be placed on stage or in the audience area. The sound system must be rigged and tested for functionality before artist arrives for setup and soundcheck. Local system engineer must be available for the artists own engineer at all times from soundcheck to end of concert.

### Sound system:

High quality, active PA-system (with sub-woofers) covering all audience areas with uniform and undistorted sound. (Pref: d&B, Meyer, EAW, Kling & Freitag or similar). We prefer the system to be located on stage level, not too wide, to help locating the sound source to the artist position. In case of high/wide flown system, we need a smaller infill/centrefill system on stagefloor. as image shifter. At smaller venues, there shall be a minimum of two mid/high range and two sub-basses on each side!

### Monitor system:

**Note : Monitor-mixes shall be fed from FOH console!!**

6 identical wedges, preferably 15" and HF.

AUX 1	Sidsel Endresen	2 Wedges
AUX 2,3	Christian Wallumrød	2 Wedges
AUX 4,5	Helge Sten	2 Wedges

### Mixing console:

4 band input-EQ (min. 2 sweep mid-filters) on all inputs.

High-pass filter, phase switch, insert and 48V on all inputs.

Min. 5 pre-aux sends for monitor.

Min. 3 post- and 1 pre- aux sends for effects.

Preferred consoles: Midas Heritage/XL or Venice series, Yamaha PM series.

**Note:** No compact digital consoles such as Yamaha 02R/03D/DM series or similar. Digital consoles can be InnovaSon, DigiCo D5 Live, Yamaha PM1D, or same level of quality and parameter accessibility.

### Outboard:

2 digital reverb units. (Lexicon 480L, Lexicon PCM90/80/70, LXP15, TC M5000/3000/2000)

1 digital delay unit

We bring one Lexicon MPX as additional vocal FX.

Graphic EQ's on all speaker feeding outputs.

1 CD-player for system check.

## Instrument description and backline requirements

### Sidsel Endresen

#### Brings:

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#### Needs:

- 1 x music stand w/ light
- 1 x bar stool

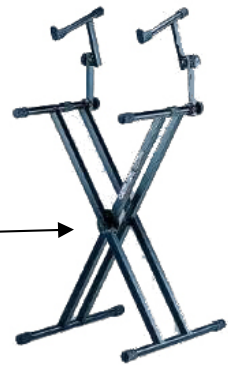
### Christian Wallumrød:

#### Brings:

- 2 x synth + toy piano + mixer etc

#### Needs:

- Grand piano (piano will be prepared, so high quality concert grand is NOT needed)
- Adjustable chair (piano stool preferred)
- Keyboard stand: Double-brace, 2-tier X stand with Quik Lok .
- 220–240V / 50 Hz AC for own instruments (max consumption 5 amps).



#### IMPORTANT NOTE FOR PIANO TUNER REGARDING THE GRAND PIANO, :

The left pedal (damping pedal) on the grand piano should be properly adjusted, which means that when it is operated, the hammers are striking 2 strings and not 3 (on all keys that actually have 3 strings). However, if the pedal and all connections are well adjusted and (when pedal is operated) some of the hammers are still striking 3 strings (and not 2), the hammers should be adjusted as well.

### Helge Sten

#### Brings:

- Waldorf XT synth module
- Elektron Sidstation synth
- BOSS SP202 and SP505 samplers
- Behringer mixing desk
- Effects rack + effects
- Lap steel guitar

#### Needs:

- 1 midi keyboard (minimum 4 octaves and touch sensitive). Preferably ROLAND PC-180A or similar. Power supply must be included. Please no huge keyboards with piano-weighted keys!!!!
- 1 low chair without armrests
- 2 very accurate and powerful stage-monitors (preferably stereo if possible).
- 2 high quality, DI boxes for L/R line output from mixing desk. Please include 2 high quality and tested jack cables for connection.
- 220–240V / 50 Hz AC for own instruments (max consumption 5 amps).

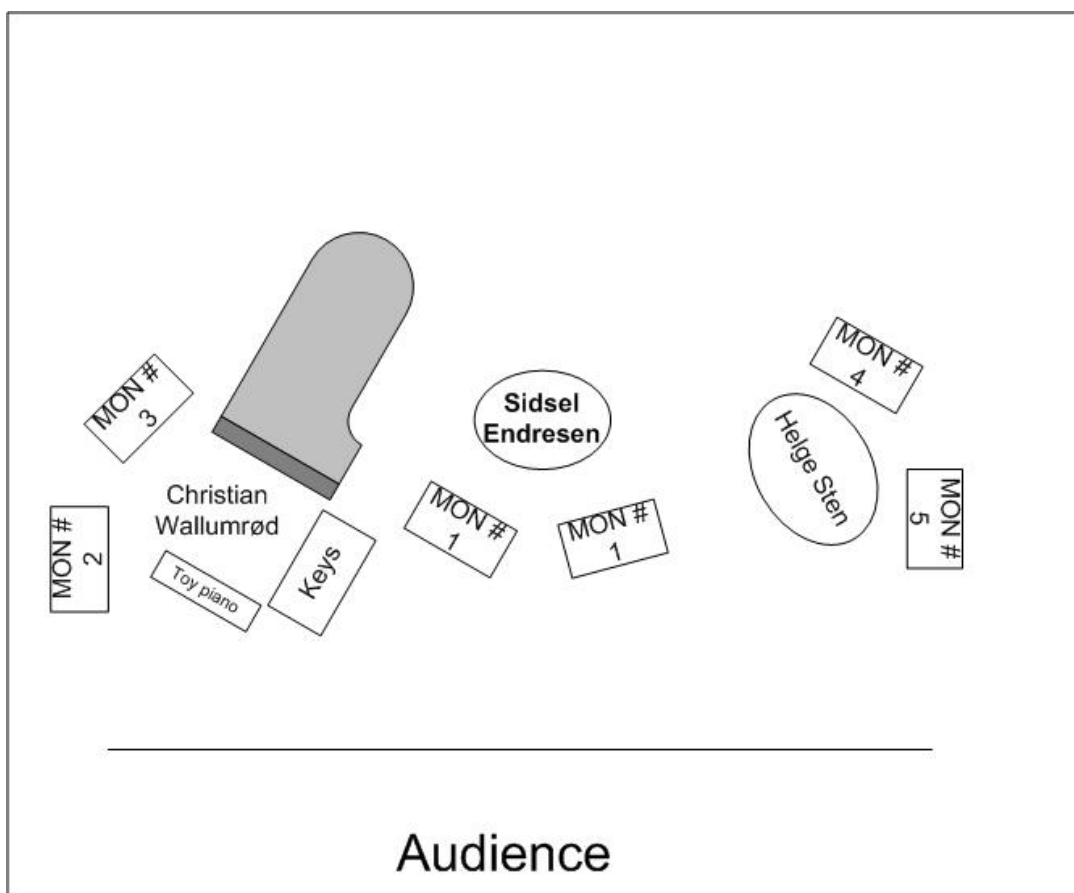
#### Please note:

Concert venue will have to provide suitable movable platforms to mount instruments/gear if fast changeover is needed.

### **Lights**

Venue must supply suitable light system with operator.

**Stage plot**



**Input list.**

Input	Source	Microphone/DI	Stand	Comment
1	Grand Piano HI	Good Condenser. (pref. Neum.KM184)	Large w/boom	Note: Prepared piano
2	Grand Piano MID	"	Large w/boom	No high quality grand needed.
3	Grand Piano LO	"	Large w/boom	
4	Key mix CW L	Active DI / XLR		NOTE : NO 48 Volts
5	Key mix CW R	Active DI / XLR		NOTE : NO 48 Volts
6	Toy Piano	Condenser	Small w/boom	
7	Mix L Helge Sten	Active DI		
8	Mix R Helge Sten	Active DI		
9	Vocal	SHURE Beta58A or old SM58	Large w/boom	(Not SM 58 BETA)
10	Vocal split	Split from prev. ch		
17	Rev 1 L			
18	Rev 1 R			
19	Rev 2 L			
20	Rev 2 R			
21	Delay L			
22	Delay R			
23	MPX L			
24	MPX R			