

# Technical Rider - Sound

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## Bulgarian Voices Angelite – Huun Huur Tu – Moscow Art Trio 2007

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**Please make sure that involved personnel has received and read the following document.**

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 in this spec, on behalf of the artist, without confirming with artist or representative. Sound Engineer is Asle Karstad, who can be reached by tel.: +47 95039480, or by e-mail [asle@karstad.org](mailto:asle@karstad.org)

**Brands and types of sound equipment is to be regarded as quality guidance to the local engineer, and not as absolute requirements if not stated specifically. However all equipment must be to the specified standard.**

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### **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. Sound system must be rigged and tested for functionality before artist arrives for setup and sound check. Local system engineer must be available for the artists own engineer at all times from sound check to end of concert.

### **Sound system:**

High quality, active PA-system (with sub-woofers) covering all audience areas with uniform and undistorted sound.  
(Pref: Line arrays from d&B, Meyersound, Nexo or similar)

### **Monitor system:**

A separate monitor-mix system, with engineer, must be supplied. A minimum of 7 programs are required. Moscow Art Trio : 3 wedges on 3 sends, The Bulgarian Voices Angelite : 2 Wedges on 1 send, Huun Huur Tu: 4 wedges on 2 sends, Soloists: 3 wedges on 1 send.

All monitor speakers preferably similar on all sends, but must be similar within same programme.

In very live halls or smaller stages, less sends and monitor speakers may be agreed upon (Contact engineer).

### **Mixing console:**

(Pref. :, MIDAS, Yamaha PM, Soundcraft or similar.) with:  
4 band input-EQ ( min. 2 sweep mid-filters) on all inputs.  
High-pass filter, phase switch, insert and 48V on all inputs.  
Any digitals must be confirmed with engineer.  
(no DM 1000/2000 or similar)

### **Outboard:**

Min. 2 digital reverb units. (pref. Lexicon 480L, or PCM90/80/70, TC M-5000/3000)  
1 digital delay unit (min 1 sec.)  
2 linkable compressors connected to group-inserts.  
Graphic EQ's on all speaker feeding outputs.  
CD-player for system check.

### **Instruments to be supplied**

1 Concert Grand Piano, tuned to 440, before AND AFTER soundcheck, immediately before the performance.

NOTE: Lid on piano must be removed

2 music stands

20 chairs on side stage , to be placed in dark part of stage, not in the light.

If we find it convenient, the chairs will be positioned on side-stage

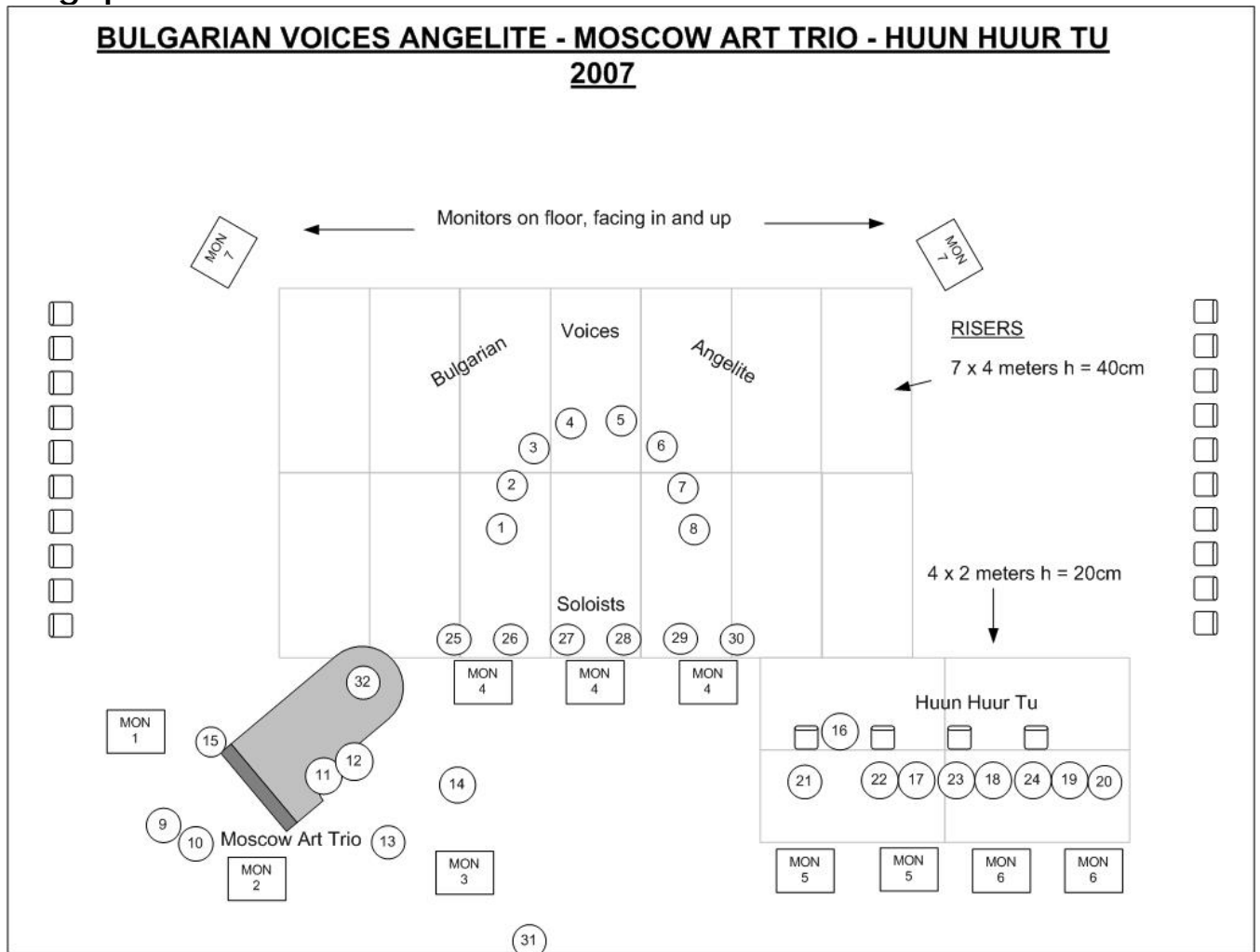
**Lights - Technical requirements.**

See separate light rider from our own lightman

**Misc:**

Do not hesitate to contact agent in case anything in this specification seems unclear.

**Stageplot**



**Input list.**

Names and brands is meant as **guidance** to supplying company only, unless stated specifically with "(!!)"  
 All Condensers must be high quality, cardioid condensers. Choir mikes should be of same type.

Chan.	Instrument	Mike /DI	Stand	Ins	Note.
1	Choir 1	Neumann KM184*	Large/no boom		*or any high quality cardioid condenser
2	Choir 2	Neumann KM184*	Large/no boom		Pref. shock mount on all choir mikes
3	Choir 3	Neumann KM184*	Large/no boom		
4	Choir 4	Neumann KM184*	Large/no boom		
5	Choir 5	Neumann KM184*	Large/no boom		
6	Choir 6	Neumann KM184*	Large/no boom		
7	Choir 7	Neumann KM184*	Large/no boom		
8	Choir 8	Neumann KM184*	Large/no boom		
9	Clarinet	SM 58	Large		
10	Vocal and flute	SM 58	Large		
11	Grand Piano	Neumann KM184*	Large		
12	Grand Piano	Neumann KM184*	Large		
13	Claviola/vocal	SM 58	Large		
14	French horn	SM 57	Large		
15	Voice at Piano	SM 58	Small		
16	Instr.1 HHT	SM 57	Small		
17	Instr.2 HHT	SM 57	Small		
18	Instr.3 HHT	SM 57	Small		
19	Instr.4 HHT	SM 57	Small		
20	Drum HHT	Sennh.MKH40	Small		
21	Vocal 1 HHT	SM 58	Large		
22	Vocal 2 HHT	SM 58	Large		
23	Vocal 3 HHT	SM 58	Large		
24	Vocal 4 HHT	SM 58	Large		
25	Soloist vocal 1	SM 58	Large		
26	Soloist vocal 2	SM 58	Large		
27	Soloist vocal 3	SM 58	Large		
28	Soloist vocal 4	SM 58	Large		
29	Soloist vocal 5	SM 58	Large		
30	Soloist vocal 6	SM 58	Large		
31	Alp horn	SM 57	floor/table-stand		
32	Inside Piano	SM91	inside piano		Over resonance hole, upside down
	Delay return				
	Reverb 1 Left return				
	Reverb 1 Right return				
	Reverb 2 Left return				
	Reverb 2 Right return				

Input list is as correct as possible before latest rehearsals preceding this tour. Changes may apply after these rehearsals.