

TECHNICAL RIDER 2021

TSUUMI SOUND SYSTEM INPUT LIST

Chan.#	INSTRUMENT	MICROPHONE	STAND	INSERT	COMMENT
1	Bass Drum	Shure Beta 52A	low	gate, comp.	
2	Snare	Sennheiser e906 or similar	low or clamp	comp.	
3	Rack Tom	Sennheiser e904 or similar	low or clamp	gate	
4	Darbouka	SM57 or similar	low w/boom	comp.	
5	Floor Tom 1	Sennheiser e904 or similar	low or clamp	gate	
6	(Floor Tom 2)	Sennheiser e904 or similar	low or clamp	gate	
7	Overhead Left	AKG C414	high w/boom	-	
8	Overhead Right	AKG C414	high w/boom	-	
9	Hi-hat / tambourine	AKG C 451 B or similar	low	-	
10	<i>BLANK CHANNEL</i>	<i>BLANK CHANNEL</i>			
11	Double Bass Piezo	DI	-	comp.	
12	Double Bass Mic	(DPA [*]) / XLR	-	comp.	
13	Grand Piano, Treble	DPA d:vote 4099	high w/boom	comp.	
14	Grand Piano, Bass	DPA d:vote 4099	high w/boom	comp.	
15	Harmonium, Treble	Beyerdynamic M 201 TG or similar	low w/boom	-	
16	Harmonium, Bass	Beyerdynamic M 201 TG or similar	low w/boom	-	
17	Violin Mic	(DPA [*]) / XLR	-	comp.	
18	Violin DI	DI	-	comp.	
19	Acoustic Guitar	XLR	-	comp.	
20	Accordion, Treble	(AKG C516ML [*]) / XLR	-	comp.	Wireless (AKG DSR 800 [*])
21	(Accordion, Bass)	(AKG C516ML [*]) / XLR	-	-	Wireless (AKG DSR 800 [*])
22	Saxophone / Percussion	Sennheiser MD421 or Beyerdynamic M201TG	high w/boom	comp.	
23	Speak Mic	Shure SM58	high w/boom	-	
24	Piano for monitors	Shure SM58	high w/boom	-	

*) MICROPHONE PROVIDED BY THE ARTIST

Contact in technical issues:

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1. Engineers

- FOH Audio Engineer by Tsuumi Sound System (Mr. Antti Puumalainen, tel.+358 400 016 480, puumalainen.antti@gmail.com).
- Monitor Engineer provided by the Presenter (if needed).

2. Mixing console, Microphones and Cables

- In general Tsuumi Sound System travels with their own mixing console (Allen&Heath SQ-5) and stage boxes (2x Allen&Heath DX168 labeled "1" and "2"). For connections Tsuumi Sound System needs **two high quality STP Cat5e (or higher) graded cables with etherCON RJ45 connectors** between FOH and the stage. Under no circumstances may the cable overall length exceed 100 meters.
- (In case we don't use our own mixing console Tsuumi Sound System will inform the Presenter in advance. In such case the mixing console should meet the requirements as follows: Professional quality and preferably digital mixing console (e.g. Soundcraft Vi-series, Yamaha QL/CL/PM-series, DiGiCo SD series)).
- Tsuumi Sound System needs microphones specified in the *Input List* section of this Tech. Rider. (Excluding the microphones marked with *-symbol that are provided by Artist). We also need all the microphone cabling.

3. FOH location

- Mixing position in FOH must be located in the audience area and centered between the PA system left and right speaker centerlines. There must be a good view from the FOH position to the stage.
- Tsuumi Sound System needs a 90cm(W) x 80cm(L) desk / platform space in the FOH position for the mixing console and other equipment.

4. Loudspeaker System / Public Address (PA)

- Professional quality, full range stereo sound system with subwoofers (e.g. L'Acoustics, d&b, Nexo). The PA system should be suited for the venue and all possible separate system speaker feeds (like front fills and delay lines) should be time-aligned and equalized by a professional audio system engineer before the load-in time. By the load-in time the PA system should be fully functional and ready to be used by Tsuumi Sound System.

5. Sound Pressure Levels & Decibels

- Tsuumi Sound System live performance is equivalent to a rock or jazz concert. Therefore it is necessary to be able to play at the volume of 100dB (slow A-weighted, peaking at 105dB, measured at mixing console) in the provided venue with the provided system. This is mandatory point and will be agreed by the Presenter when signing the contract (if not otherwise appointed with Tsuumi Sound System).

B. Stage Monitoring Sound System

- Tsuumi Sound System needs **7 channels of professional quality monitor wedge speakers with proper amplification** (e.g. d&b M4 with d&b D6 amplifier or similar) in 7 independent feeds from Allen&Heath DX168 "1" stagebox XLR outputs 1-7.
- (In case Tsuumi Sound System is not using their own mixing console, we will need a separate monitor mixing console and a local English speaking Monitor Mixing Engineer who has experience in acoustic music. There must be also a talkback/intercom system between the FOH and the Stage Monitoring positions.)

C. Backline and Wireless Microphones

- Professional **Grand Piano** with a professional piano stool. Grand Piano must be tuned in **A1 = 442 Hz**.
- Professional **Drum Kit** with: Bass Drum (preferably 20"), Bass Drum pedal (+preferably one spare pedal), 1 Rack tom (12"), 1 or 2 Floor Toms (14" and/or 16"), 4 cymbal stands (2 with boom), Snare stand (also adjustable for 10" drum), Hi-Hat stand (+preferably 2 top cymbal locking clutches), Drum Stool and Drum Carpet. Tsuumi Sound System will provide snare, darbouka and cymbals.
- **Double Bass**: Professional 3/4 or 4/4 size Double Bass with 106 cm or greater scale length, 4 strings with steel or steel/gut strings and professional level pickup / piezo system with 6,35 mm jack output.
- **Bass Amplifier** e.g. Ampeg, EBS, Hartke, Mark Bass, Trace Elliot.
- **Drum Kit riser**: minimum width 2m, minimum length 2m, height 30-60cm.
- **Guitar & Bass riser**: minimum width 3m, minimum length 2m, height 30-60cm.
- **Wireless Microphones**: Tsuumi Sound System will provide their own 2-channel Wireless Microphone system for Accordion with frequency range of 548.100-605.900 and 614.100-697.900MHz (AKG DSR 800 / Band 1).

D. Soundcheck

- Tsuumi Sound System needs at least 30 minutes for load-in and stage setup and 60 minutes for the sound check.

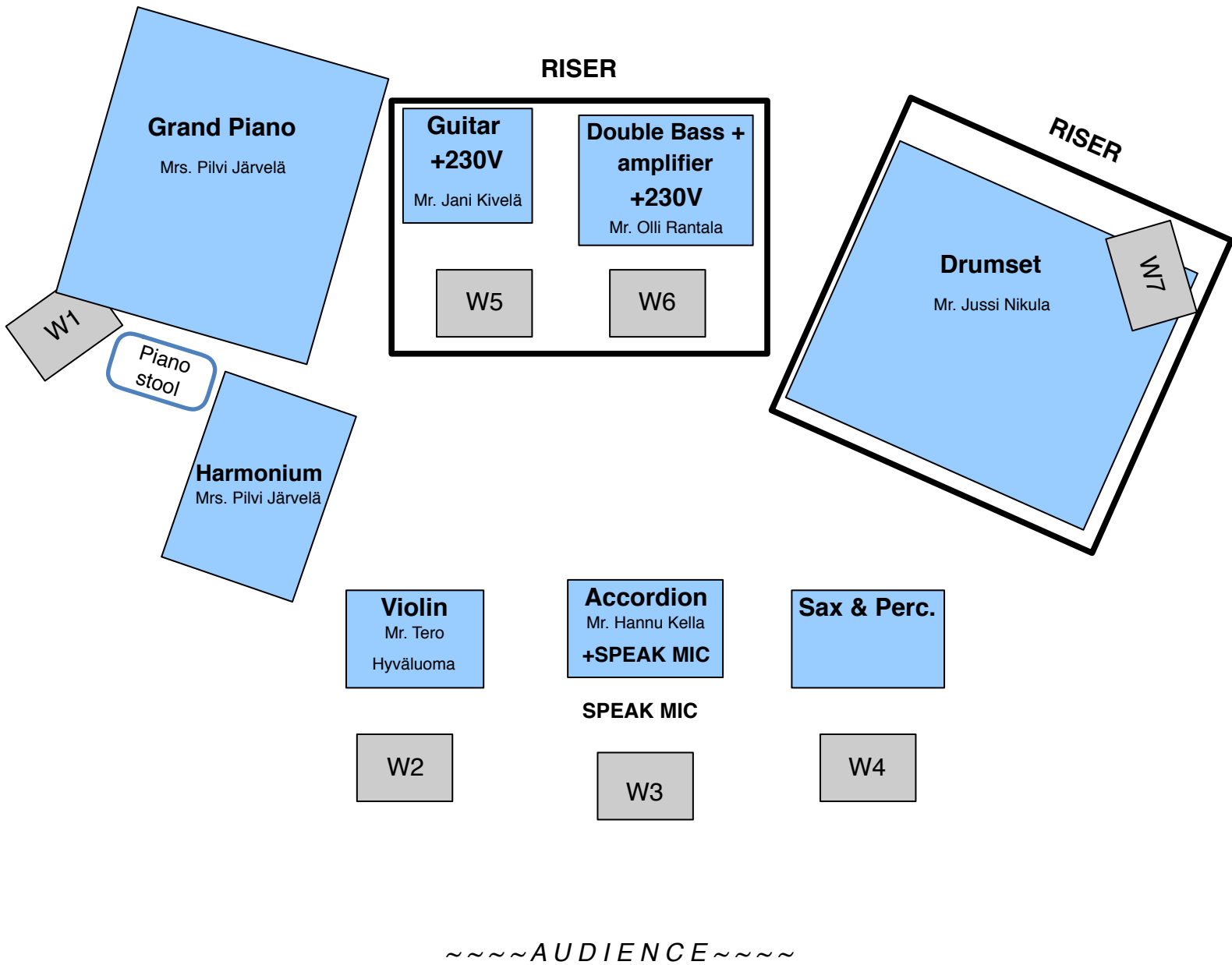
E. Backstage Dressing Room & Catering

- Backstage Dressing room (for personal stuff and instrument cases) located in the immediate presence of the stage premises.
- Catering: Bottled water, soft drinks, fresh fruits and food (**with vegetarian option!**). Also beer & preferably local hi-hopped ales, red & white wine (one bottle each)
- Towels.

F. Local Transportation

- Local transportation between airport / venue / hotel must be arranged by car or by taxi by the Presenter (preferably a van or a small bus). Public transport is not an option, because of the bulky instrument cases.

G. Stage plot and electricity



(**W#** = wedge monitor / group number)

H. Contacts:

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