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## **SOUND AND STAGE INFORMATION** - large indoor/outdoor concert

### PA-SYSTEM REQUIREMENTS:

- Natural and clean sounding PA suitable for the size and properties of the venue (e.g. L-Acoustics, D&B, Meyer, EAW).
- 32-channel mixing desk with proper EQ (Low sweep, 2 parametric mid, high sweep, HPF (high pass filter) and at least 6 pre-fade aux sends (e.g. Midas, Soundcraft, Allen & Heath, PreSonus, Yamaha) for the 6 monitor groups and 3 post-fade sends for the effects processor(s).
- 6 Natural and clean sounding floor monitors on 6 SEPARATE (!) aux groups and amplifiers.
- EQ for the FOH (front of house / main speakers) and 6 monitors for sound balancing, so 8 in total.
- 3 Good quality internal / external effects processors for reverb (e.g. Lexicon PCM series, Yamaha SPX 990, Yamaha SPX2000, TC Electronic M2000).

### MICROPHONE REQUIREMENTS:

- 2 Handheld vocal cardioid or supercardioid (condenser) microphones equal to or at least equal to the quality of Neumann KMS105, Shure KSM9, Shure Beta58, Sennheiser E965
- 15 Instrument condenser microphones like Neumann TLM103, AKG C414, AKG C451, Neumann KM184, Shure SM81
- 1 Kick drum microphone Shure Beta52A or alternatively a large condenser like Neumann TLM103, AKG C414
- 3 DI boxes, passive or phantom powered (spare)
- 17 Normal size mic stands with a SMALL (!) telescopic boom
- 1 Very small stand with a small boom for the kick drum or a rim clamp
- 2 8-way XLR breakout boxes or a 16-breakout box located center stage
- XLR cables, microphone clips etc.
- For outdoor concerts all instrument- and vocal microphones (17) must have wind caps to prevent WIND NOISE!

### STAGE REQUIREMENTS:

- Minimum total stage size 12 m (width) x 6 m (depth) in 2 levels, first level 12 m x 3 m (front), second level on a 40 cm riser 12 m x 3 m (back)
- 20 chairs without armrests

**Please set up the stage equipment after consultation with the Biggles Bigband sound engineer.**

**BACKLINE** to be provided by promotor:

- COMPLETE DRUMSET with bass drum 20 inch / snare: tophead e.g. Remo Ambassador / hi hat / 1 tom / 1 floor tom / 4 cymbal stands / drum stool / drum mat.
- GRAND PIANO, well tuned A' = 440 Hz plus piano stool
- BASS AMPLIFIER combo e.g. Acoustic Image Coda, Galien & Krueger 150 MB or similar
- GUITAR AMPLIFIER combo e.g. Roland acoustic amplifier or Fender acoustasonic or similar

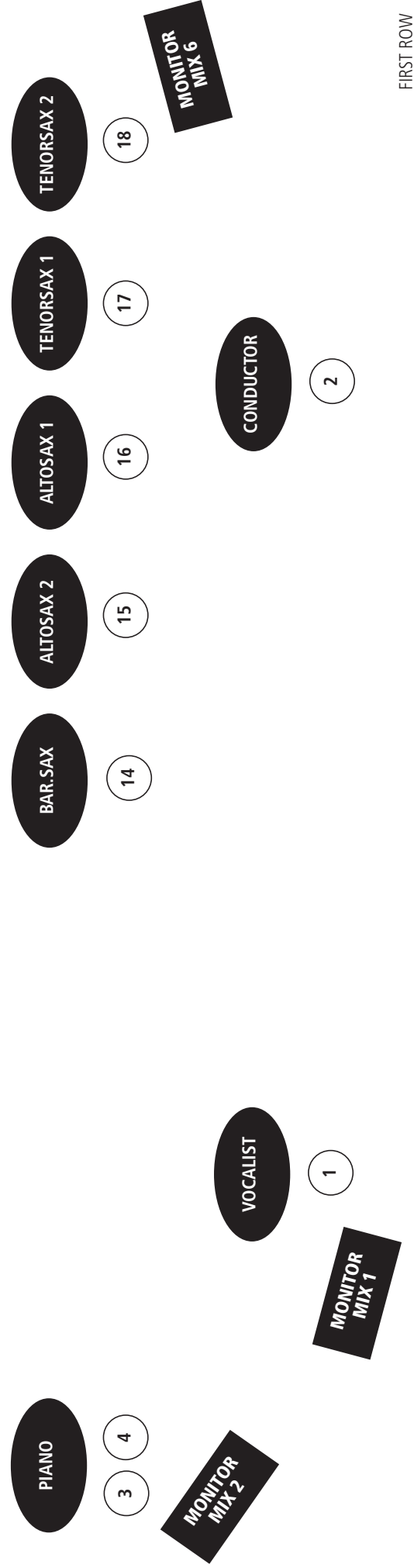
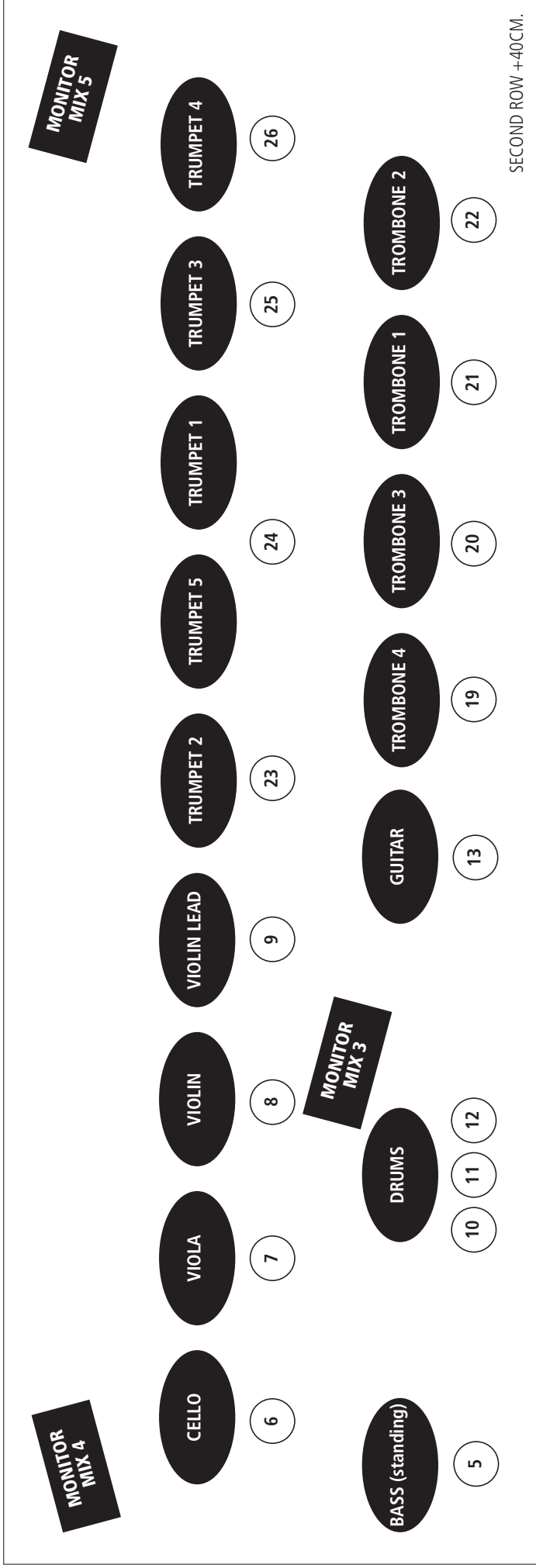
## **LIGHT INFORMATION**

LIGHTING REQUIREMENTS:

- In house lighting system provided by the venue that meets or exceeds room, theater, outdoor arena or festival requirements.
- The venue will provide qualified personel to setup and operate the lighting system.
- 1 Follow spot including a qualified follow spot operator.
- Please rig 4 full stage colour washes in Amber (105), Red (106), Blue (119) and Open White as backlights. If par cans are used please have enough lights available for a full coverage.
- Please rig a FOH (front of house) wash in pale gold (152).
- Very important: Sufficient lighting on stage to enable musicians to read their music charts is required! Depending on the provided equipment, 1 backlight wash in Open White or a sufficient amount of par cans to cover the stage from the back in open white as a minimum.
- All lights to be controlled by dimmer packs and a lighting desk from the FOH, programmed as groups per wash.

INPUT LIST audio Blue Eagle Sound +31641858218 info@blueeaglesound.nl		Artist(s) BIGGLES BIGBAND AMSTERDAM + STRINGS			Date	Venue
		FOH engineer Bas Meijer			Soundcheck	Showtime
Channel	Multi	Instrument	Mic/DI	+48	Dynamics	Remarks
1		vocal	KMS105	yes	Ra2.2 At20ms Re200ms	HPF 75Hz
2		solo / announce	KMS105	yes	Ra2.2 At20ms Re200ms	HPF 75Hz
3		piano L	Multi DI 1	yes	Ra2.2 At20ms Re200ms	Condenser mic in case acoustic piano
4		piano R	Multi DI 2	yes	Ra2.2 At20ms Re200ms	Condenser mic in case acoustic piano
5		bass	Multi DI 3	yes	Ra2.2 At20ms Re200ms	HPF 60Hz
6		cello	Multi DI 4			(Output via mixer on stage to line level)
7		viola	Multi DI 5			(Output via mixer on stage to line level)
8		violin	Multi DI 6			(Output via mixer on stage to line level)
9		violin lead	Multi DI 7			(Output via mixer on stage to line level)
10		kick	C414 or equal	yes	Ra2.2 At5ms Re100ms	HPF 60Hz
11		under head L	C451 or equal	yes	Ra2.2 At5ms Re100ms	Underhead, small stand – HPF 75Hz
12		under head R	C451 or equal	yes	Ra2.2 At5ms Re100ms	Underhead, small stand – HPF 75Hz
13		guitar	Amp out XLR		Ra2.2 At20ms Re200ms	HPF 75Hz
14		baritone sax	Condenser/ good dyn.	yes	Ra2.2 At20ms Re200ms	Norm. stand, short boom HPF 75Hz
15		alto sax 2	Condenser/ good dyn.	yes	Ra2.2 At20ms Re200ms	Norm. stand, short boom HPF 75Hz
16		alto sax 1	Condenser/ good dyn.	yes	Ra2.2 At20ms Re200ms	Norm. stand, short boom HPF 75Hz
17		tenor sax 1	Condenser/ good dyn.	yes	Ra2.2 At20ms Re200ms	Norm. stand, short boom HPF 75Hz
18		tenor sax 2	Condenser/ good dyn.	yes	Ra2.2 At20ms Re200ms	Norm. stand, short boom HPF 75Hz
19		bass trombone	Condenser/ good dyn.	yes	Ra2.2 At20ms Re200ms	Norm. stand, short boom HPF 75Hz
20		trombone 3	Condenser/ good dyn.	yes	Ra2.2 At20ms Re200ms	Norm. stand, short boom HPF 75Hz
21		trombone 1	Condenser/ good dyn.	yes	Ra2.2 At20ms Re200ms	Norm. stand, short boom HPF 75Hz
22		trombone 2	Condenser/ good dyn.	yes	Ra2.2 At20ms Re200ms	Norm. stand, short boom HPF 75Hz
23		trumpet 2	Condenser/ good dyn.	yes	Ra2.2 At20ms Re200ms	Norm. stand, short boom HPF 75Hz
24		trumpet 1	Condenser/ good dyn.	yes	Ra2.2 At20ms Re200ms	Norm. stand, short boom HPF 75Hz

INPUT LIST audio Blue Eagle Sound +31 6 418 58 218 info@blueeaglesound.nl		Artist(s) BIGGLES BIGBAND +STRINGS large indoor/outdoor concert			Date	Venue
		FOH Engineer Bas Meijer			Soundcheck	Showtime
Channel	Multi	Instrument	Mic/DI	+48	Dynamics	Remarks
25		trumpet 3	Condenser/ good dyn.	yes	Ra2.2 At20ms Re200ms	Norm. stand, short boom HPF 75Hz
26		trumpet 4	Condenser/ good dyn.	yes	Ra2.2 At20ms Re200ms	Norm. stand, short boom HPF 75Hz
27		FX vocal L				Effects processor 1 Yamaha/Lexicon L
28		FX vocal R				Effects processor 1 Yamaha/Lexicon R
29		FX strings L				Effects processor 2 Yamaha/Lexicon L
30		FX strings R				Effects processor 2 Yamaha/Lexicon R
31		FX instr. L				Effects processor 3 Yamaha/Lexicon L
32		FX instr. R				Effects processor 3 Yamaha/Lexicon R
AUX LIST audio						
Aux	Multi	Monitor / FX	Source channels	Pre / post	Remarks	
1		vocal	1, 2	Pre fader		
2		piano	3, 4	Pre fader		
3		drums	1, 2, 14 - 26	Pre fader		
4		strings	6, 7, 8, 9	Pre fader		(Directly controlled by mixer on stage)
5		rhythm fill	3, 4, 5, 10, 11, 12, 13	Pre fader		On auditorium-right side of stage
6		rhythm fill	3, 4, 5, 10, 11, 12, 13	Pre fader		On auditorium-right side of stage
7		FX vocals	1, 2	Post fader		Send to effects processor 1
8		FX strings	6, 7, 8, 9	Post fader		Send to effects processor 2
9		FX instr.	3, 4, 14 - 26	Post fader		Send to effects processor 3
10						
11						
12						



STAGELAYOUT BIGGLES BIG BAND

12 meters