

TECHNICAL RIDER 2018

oho!koko

F.O.H.

We hands down prefer digital soundboards, but when the only digital option available is the budget variety we go for analogue instead.

Our preferred digital mixers are: Allen & Heath dLive, GLD, Soundcraft from the Vi series, Yamaha from the CL / QL series.

In the event of analogue mixers, we require:

- At least as many input channels as there are items on the input list
- PAD, low-cut filter, reverse polarity, 48V phantom power supply every channel;
- Four-point EQ, with at least two parametric equalizers;
- at least 4 switchable AUX transmissions.

Outboard minimum:

- 5 noise gates (models not lower than DBX 166XL)
- 8 compressors (models not lower than DBX 166XL)
- 2 effects processors (models not lower than Lexicon MX300; one in dual mode mono, the second in stereo)
- GEQ modeled in the sum of stereo models not lower than DBX 2231

The F.O.H. should be positioned straight in front and along the axis of the stage at a distance of about 2/3 the length of the entire auditorium. If not possible, due to, for example the structure, or architectural layout of the area, this setting may be modified, however the position of the sound engineer must not be to the side of the stage, to the side of the room or under the mezzanine. In the case of open-air concerts, it will be advisable to set the platform at a height of no more than 40 cm. **The execution stand should be protected against the effects of weather conditions** (sheltered from rainfall, wind and strong sunlight), and under the constant supervision of security personnel.

Front system:

- three-way;
- stereo;
- suitable for the sound surface;
- a professional - a well-known, recognized brand - "home-made" systems are unacceptable;
- grounded;
- free of noise, mains humming;

In the case of open air, we prefer line array systems, but **the system must not interfere with the stage lighting**. In the case of small rooms, hotel conference rooms, etc., please do not use large line array systems. In the case of wide stages, front fill speakers will be necessary for the first row. In the case of long rooms, please use a delay line.

If possible, please send it to the subbase from the AUX rail.

MONITORS

The band does not have their own MON. We kindly ask that you provide a qualified monitor contractor for the comfort of the artists.

- Alicja (voc) – IEM stereo (own)
- Marek (guitar) – XLR mono for mixer
- Tomek (dr) – XLR stereo for mixer

STAGE

The minimum dimension of the stage on which the Oho! Koko band's concert can take place is:

10m (width) x 4m (depth)

The stage should be dry, clean, stable, safe.

In the case of outdoor stages, professional shelter is required. It is required that the stage is shielded from three sides with professional stage nets. All elements of the stage should have valid safety certificates. The stage should be led by stable, dry, safe and lit stairs with a handrail.

ACOUSTIC TEST

During rehearsal and concert it is obligatory to have an experienced technical team responsible for sound equipment (minimum: monitor implementer, F.O.H. system engineer, stage technician).

The layout of the stage, including the location of equipment and monitors on the stage, is shown in the diagram. The system should be ready, tested and operational one hour before the band's arrival. The team needs 1.5 hours to set up and connect sound equipment and to perform a sound test.

Before each concert the technical crew is required to contact the performer at least 7 days in advance.

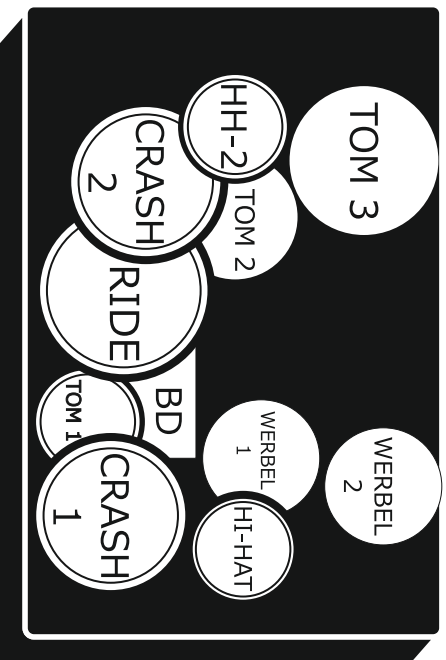
Input	Instruments	Mic/Equipment
1	Kick In	Beta52
2	Kick Out	e901
3	Snare 1 Top	Sm57
4	Snare 1 Bottom	SM57, ATM350
5	Snare 2	SM 57
6	Snare 2 Bott	SM57, ATM350
7	HH	Sm81
8	HH 2	Sm81
9	Tom	e904, e604
10	Tom	e904, e604
11	Floor Tom	e904, e604
12	OH L	Sm81
13	OH R	Sm81
14	SPDSX L	Di - Box
15	SPDSX P	Di - Box
16	Git L	Di - Box
17	Git P.	Di - Box
18	Voc Dry Alicja	Own
19	Voc Wet Alicja	Own
20	Voc Marek	Sm58

oho!koko

230 V

● **DRUMS**
1 - 15

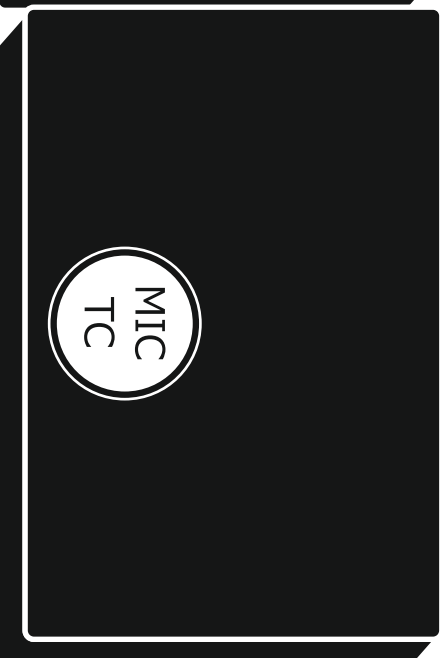
230 V 2x XLR



3x2 ROLLONG RISER

● **VOC**
18 - 19

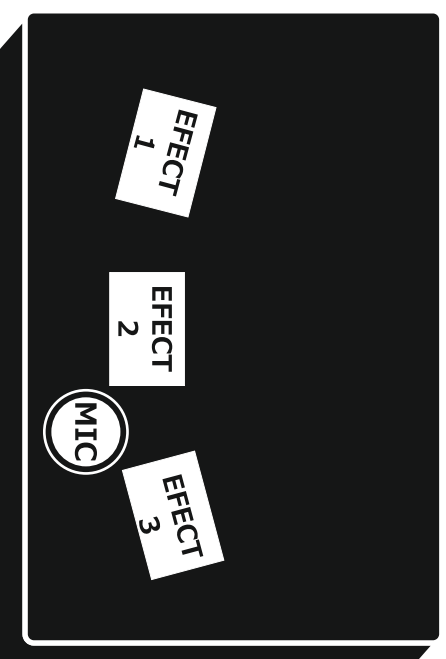
230 V VOC IEM



3x2 ROLLONG RISER

● **GUITAR**
16 - 17 GIT, 20 VOC

230 V GUITAR XLR



3x2 ROLLONG RISER

LIGHT

The lighting engineer's position should be facing the stage, on the axis of the stage, at a min height of 0.40m, so as the audience cannot interrupt the running of the concert.

All electrical connections should be made carefully and **in full accordance with applicable health and safety standards.**

All lighting equipment must be 100% operational, with similar lamp life time and full compatibility of gobos, and color etc. Equipment mode settings are listed in the table. Our team only accepts known-branded, odorless liquids for hazers!

Except for the Grand MA2 family table, which is an essential item of equipment, alternative lighting equipment is permitted (permitted alternatives are shown later in the document). During the concert, all light sources around the stage must be turned off.

Every change of equipment must be agreed with the lighting engineer in advance.

REPLACEMENTS

MA Lighting Grand MA 2 - The latest software is required! Each version of the table, also a set.

Command + Fader Wing necessarily with Robe Pointe touch screens.

Robe Pointe - Robin MMX / DLX / DLS Spot, Mega Pointe, DTS MAX, DTS EVO, Robe 700 Colorspot, CP QWO 800, CP Alpha Spot HPE, Mac 700 Spot, Mac Axiom Hybrid, Mac Quantum Profile, Mac Viper Profile Maverick MK2 Spot, Vari * Lite VL4000 Spot.

Robe Robin 600 LED WASH – Robin 600+/800/1200 LED, Robe Spider, CP Aleda K20, DTS NICK NRG, Martin 700 Wash, Mac 301, Mac Quantum Wash, LedWash, JB A7 VaryLED.

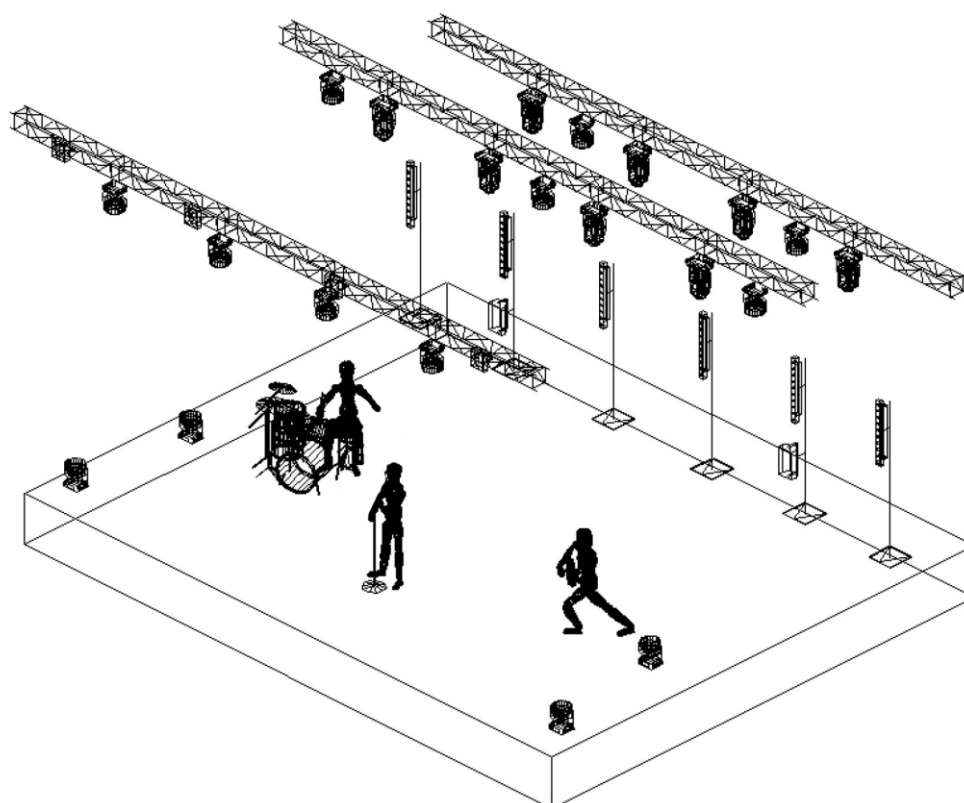
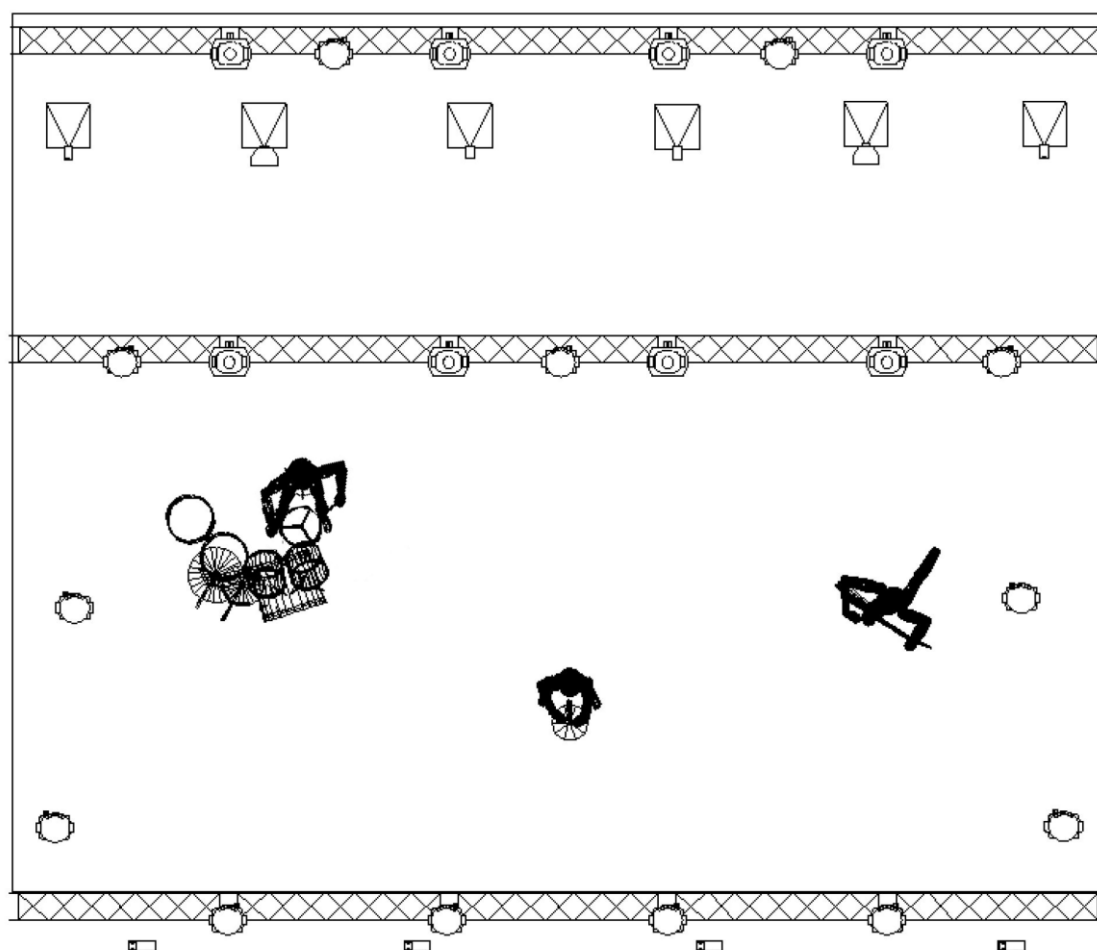
Martin Atomic 3000 - Martin Atomic 300 LED, Cameo Flash Matrix, SGM X5, SGM XC5, CLF Ares Base Haze PRO - Hazer Smoke Factory II, Unique 2.1, Martin Jam K1, MDG or other efficient Hazer with an additional fan.



DEVICE	QUANTITY	MOD
Robe Pointe	8	1
Robe Robin 600 LED wash	13	1*
Martin Atomic 3000	2	4ch
Sunstrip Activ DMX	6	10ch
Hazebase pro + fans	2	
Molefay blinder DWE	4	
MA 2 light	1	

*4x Robe Robin 600 on the front - MOD 3 !





Contact:
 Marek Szul
management@ohokoko.com
 +48 790 470 284