

## SOUND TECH RIDER FIDO

Tech advancing contact for FIDO is

mr. dave muscheidt

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### 1. SOUND IN GENERAL

After receiving this rider please ask your tech coordinator/production manager-type of person to send the local sound production info (tech contact info, sound equipment list + venue specs) by e-mail to:

muscheid@tiscali.ch

### Staff

The band is travelling with one sound engineer; F.O.H. .  
unless agreed differently with the management.

There is always needed atleast one soundengineer (monitor)  
with the locally provided or house sound  
system to be present from the time of the load in till end of the show:

1. One competent system engineer with knowledge of the PA system and venue in question.  
(can be the same person as monitor engineer)

2. One competent sound engineer to be in charge of onstage mic patching. This person should  
also have full knowledge of the provided monitor system and stage cabling  
. (can be the same person as monitor engineer)

3 (three) stagehands are needed to assist the strummers' crew for the load in / load out.  
All the local staff must be able to communicate in English/German language.

### Electricity

All equipment thatFIDOis carrying with them is working on 220-240Volts, 50Hz power.  
Outlets must be "Schuko"- or "Swiss"-type. These power outlets are needed at F.O.H.,  
Mon mix position and on the places shown in the stage plot.

### Stage

Minimum performance area 9m wide and 6m deep  
(unless determined differently with the band see contract).

These dimensions are excluding any PAmwings/towers, mon mix position etc.

Stage must be well lit during the set up and directly after  
the show.(working lights)

### Risers

We need in total 3 risers. To be carpeted in black and to have a black scrim  
in front and sides. On festivals we need the riser to be equipped with lockable wheels. On  
festivals the risers are needed 1 hour before the change over.

RISER : Drum riser 3m x 2m x 40cm (w/d/h). Height must incl. wheels

Brass riser 4m x 2m x 40cm (w/d/h). Height must incl. wheels (stage left)

Keys riser 2m x 2m x 40cm (w/d/h). Height must incl. wheels (stage right)

The whole soundsystem should be in place, tested and be ready to use before the  
arrival of the artists' crew

## 2. HOUSE SPEAKER SYSTEM

### System specs & design

A professional stereo system capable of providing undistorted 118 dBC at F.O.H. mix position. The idea is not play this loud but all sound systems just sound much better with alot of headroom.

When designing a sound system please have these things in mind:

- A majority of the MID/HI cabinets should be flown.
- The sound system coverage should be as even as possible starting from the first row (sound spectrum AND sound pressure).
- Wether stacking or flying, always try to avoid aiming the speakers towards any reflective surfaces. Try to have as much as possible direct sound from the PA to the audience.

Preferred manufacturers/systems are: Turbosound Flashlight/Floodlight , d&b C/B/Q-series, NEXO Alpha and GeoT, L'Acoustics V-Dosc, EV X-line series, Martin Audio W8L, EAW

### System optimizing

All system equalization should be done prioir to arrival of the artists' crew. This should be done using processors like BSS Soundweb or Omnidrives, Yamaha DME-series, XTA DP-series, Lake Contour and systems alike. If system processors are located onstage a remote control possibility with PC at F.O.H. mix position must be provided.

The whole soundsystem should be optimized for the venue and all possible separate sends in addition to the main left and right (front fills, under balcony fills, delay systems, etc.) are to be time aligned and equalized by a competent system engineer.

Artists' F.O.H. engineer needs 1 (one) stereo 31-band graphic EQ on the main outputs of the console to fine tune the system during the soundcheck and show (XTA, KT, BSS, TC)

## 3. F.O.H.

### Mix position

- F.O.H. mix position should be located in center no further than 100-110feet/30,5-34meters from the downstage edge. Mix position can not be under a balcony, on a balcony or at the back wall of the venue.

- F.O.H. console must be located on the floor, the same level as the audience is standing, NOT on a riser.

### F.O.H. Console

A dedicated F.O.H. console with a minimum of 32 mono and 4 stereo input channels and 8 VCA groups. Each input channel needs to have sweepable HF and LF-filters and fully parametric mid filters.

All professional consoles equipped with previously mentioned features are OK, but preferred consoles are Heritage and XL- series, Soundcraft Series5/mh 4 and Yamaha PM 5000.

no behringer!!!

### F.O.H. Outboard

Gates: 4 channels (Drawmer, BSS, KT, XTA)

Compressors: 4 (eight) channels (Drawmer,DBX, BSS, KT,XTA)

FX: 1 (one) digital delay (TC2290, D2, Roland SDE3000)

2 effects reverbs (TC, LEXICON)

SOUND TECH RIDER for F.O.H. misc.

- CD player connected for playback F.O.H.
- Intercom system between F.O.H and MON mix positions. MUST HAVE A BLAZON-TYPE VISIBLE BEACON CALL LIGHT AT BOTH ENDS.
- All F.O.H. mix position equipment racks and console has to have proper working lights.

#### 4. MONITOR SYSTEM

Monitor mix position

Preferred monitor position is on the same side as the easiest access to the artists' backstage. If stage access from backstage is possible/easy from both sides of the stage preferred position is STAGE LEFT.

Monitor console

Console needs to be capable of handling multiple mixes. 8 mono are needed (total of 8 separate mixes)excluding sidefills.

For inputs 32 channels is minimum. Each input channel needs to have sweepable HPF and a 4-band EQ with sweepable HF and LF and fully parametric mid filters.

All professional monitor consoles equipped with previously mentioned features are OK, no behringer.

Monitor outboard

31-band graphic EQ: 8 channels inserted on mon speaker groups (XTA, BSS, KT)  
(2 more in case there are sidefills)

Gates: 4 (four) channels (XTA, BSS, KT, Drawmer)

Monitor speakers

- 7(seven) HI POWER OUTPUT 2-way bi-amp wedges.(1 drum with drum sub)

Preferred models are: d&b audiotechnik M2, EAW SM400iH, SM 64/84, and ANY professional good sounding hi power output 2-way bi-amp floor monitor equipped with approx. 2x12" and 1x1,4" components.

- Sidefills are needed when stage width exceeds 10 meters. Sidefills need to be a 3-way tri-amp fullrange system including subs. Preferred systems are d&b audiotechnik C/B-series, NEXO Alpha, EAW 850 and all professional systems alike.

- 1 (one) 2\*15" OR 2\*18" drum sub.

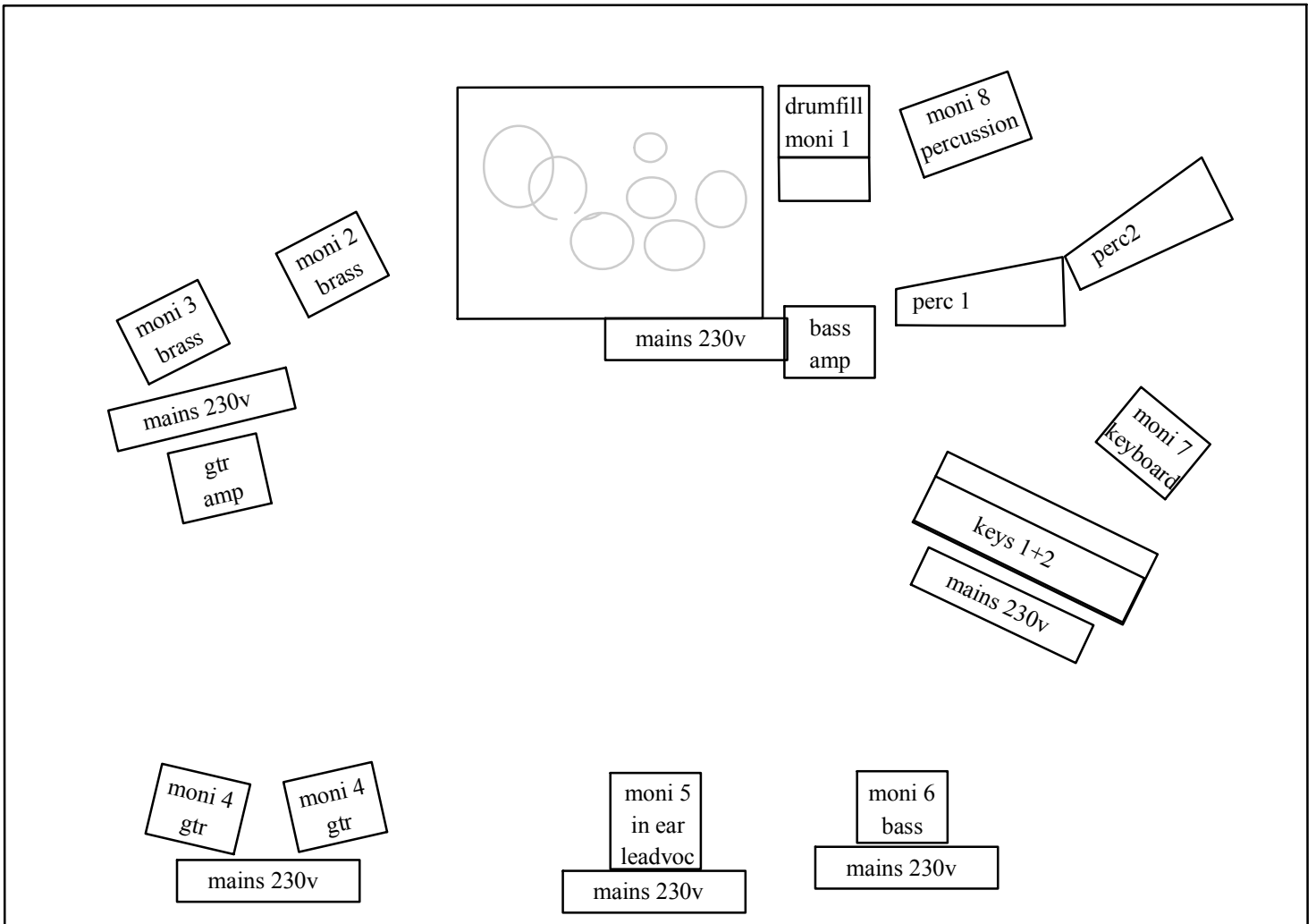
if you have any questions do not hesitate and call us!!!!!!

therefore we can workout the best solutions for your event!!

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# fido plays zappa stageplan



STAGE LEFT

STAGE RIGHT

01.kick 1	16.gtr.stage left
02.snare top	17.keys 1 left
03.snare bottom	18.keys 1 right
04.hats	19.keys 2 left
05. floor	20. keys 2 right
06 rack 2	21.brass1 (stage left)
07.rack 1	22.brass2(stage left)
08 oh left	23.brass3(stage left)
09.oh right	24 brass4(stage left)
10.perc. left	25.vox. drums
11.perc.right	26 vox gtr stage left
12.perc. left 2	27.vox center (lead)
13.perc.right 2	28. vox bass stage right
14.bass d.i.	29.vox percussion
15.bass mic	

# FIDO input list

CHANNEL	MIC    INSERTS
01.kick 1	sm91 / comp / gate
02.snare top	sm57 / comp / gate
03.snare bottom	sm57 / comp / gate
04.hats	akg blue line
05. floor	sm57 / comp / gate
06 rack 2	sm57 / comp / gate
07.rack 1	sm57 / comp / gate
08 oh left	akg blue line
09.oh right	akg blue line
10.perc. left	akg blue line
11.perc.right	akg blue line
12.perc. left 2	akg blue line
13.perc.right 2	akg blue line
14.bass d.i.	di /compressor
15.bass mic	sm57
16.gtr.stage left	sm57
17.keys 1 left	di /compressor
18.keys 1 right	di /compressor
19.keys 2 left	di /compressor
20. keys 2 right	di /compressor
21.brass1 (stage left)	sm58 / compressor
22.brass2(stage left)	sm58 / compressor
23.brass3(stage left)	sm58 / compressor
24 brass4(stage left)	sm58 / compressor
25.vox. drums	sm58 / compressor
26 vox gtr stage left	sm58 / compressor
27.vox center (lead)	sm58 / compressor
28. vox bass stage right	sm58 / compressor
29.vox percussion	sm58 / compressor

## IMPORTANT !

IF MONITORING IS DONE FROM THE FRONT OF HOUSE NO COMPRESSORS ON THE INSERTS (BRASS/ VOCALS)  
BUT ON A SUBGROUP ,

IN THAT CASE THE F.O.H. DESK NEEDS MINIMUM 10 AUX SENDS PRE/POST SWITCHABLE  
(MONI 1-8,DELAY SEND AND REV 1 SEND)

**NO BETA SERIES OF SHURE PLASE!!!**

**NO BEHRINGER!!!!**

IF YOU HAVE QUESTIONS PLEASE CALL:0041 78 874 5005 / OR MAIL:[muscheid@tiscali.ch](mailto:muscheid@tiscali.ch)