

TECHNICAL RIDER

The folk- rock band

“LYAVONY”

update 17. 02. 2009

Ch	Instrument	Insert	Input	Out
1	Kick In	Gompressor/gate, EQ	ElectroVoice RE20 or AKG D-112 or BeyerdynamicTGX-50	Sub Mix 1-2; 7-8
2	Kick OUT	gate	Shure SM57	Sub Mix 1-2; 7-8
3	Snare Top	Gompressor/gate	Sennheiser MD 421 or Shure SM98A or Shure SM56 or Shure SM57	Sub Mix 1-2; 7-8
4	Snare Bottom	gate	Shure SM57	Sub Mix 1-2; 7-8
5	Hi-hat		Neumann KM 81 or AKG C300 BlueLine or Shure SM81	Sub Mix 1-2; 7-8
6	Alt 1	gate	Sennheiser MD 421 or Shure SM98A or Shure SM57	Sub Mix 1-2; 7-8
7	Alt 2	gate	Sennheiser MD 421 or Shure SM98A or Shure SM57	Sub Mix 1-2; 7-8
8	Floor Tom	gate	Sennheiser MD 421 or Shure SM98A or Shure SM57	Sub Mix 1-2; 7-8
9	Overhead L.		Audiotechnica AT4050 or Shure SM81	Sub Mix 1-2; 7-8
10	Overhead R.		Audiotechnica AT4050 or Shure SM81	Sub Mix 1-2; 7-8
11 Bass Guitar				
		Gompressor, EQ	DiBox or Audio Technica ATM35 or Sennheiser 421 or Shure SM57	Sub Mix 1-2; 7-8
12	E Guitar L		DiBox	Mix; Sub Mix7-8
13	E Guitar R		DiBox	Mix; Sub Mix7-8
14	E Guitar combo	Gompressor	SM57	Mix; Sub Mix7-8
15	Keyb. L		DiBox	Mix; Sub Mix7-8
16	Keyb. R		DiBox	Mix; Sub Mix7-8
17	Viola		DiBox	Mix; Sub Mix7-8
18 Vocal from Keyb				
			SHURE Beta 58A or Beyerdynamic M700TG or AKG C5900	Sub Mix 5-6
19 Vocal from Bass				
			SHURE Beta 58A or Beyerdynamic M700TG or AKG C5900	Sub Mix 5-6
20	Vocal	Gompressor	SHURE Beta 58A or Beyerdynamic M700TG or AKG C5900	Sub Mix 5-6
21	Vocal	Gompressor	SHURE Beta 58A or Beyerdynamic M700TG or AKG C5900	Sub Mix 5-6
22	Vocal	Gompressor	SHURE Beta 58A or Beyerdynamic M700TG or AKG C5900	Sub Mix 5-6
23	Vocal	Gompressor	SHURE Beta 58A or Beyerdynamic M700TG or AKG C5900	Sub Mix 5-6
24	Audio interface		line	DirOut to InEar, MIX
25	Audio interface		line	DirOut to InEar, MIX
26	Audio interface		line	DirOut to InEar, MIX
27	Return Room dimentions L			Mix
28	Return Room dimentions R			Mix
29	Return Hall dimentions L			Mix
30	Return Hall dimentions R			Mix
31	Return Delay dimentions L			Mix
32	Return Delay dimentions R			Mix

where...: E. Guitar (in stage, after footsw processor) from 2 (L,R) chanells (DiBox method)- one chanell (L) connect to guitar combo amplifier . **SubMix1-2-** Drums, **SubMix 3-4-** Instruments (can be..), **SubMix 5-6-** Vocals. **SubMix 7-8** connect to **SideFill** system only (see Stage plot). Talkback to stage.

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F.O.H. requirements

FOH Console organized & outboard:

a) Insert, Submix:

- 1-st chan. a) (**insert** compress/gate for **kick in** (1st channel)): Drawmer DL 251/DL 241XLR, dbx 160A, TLA, SPL
b) (**insert** four-band parametric Equaliser for **kick in** (1st channel)): TLA 5013, BSS, SPL Qure
- 2-nd chan. (**insert** compress for **kick out** (2nd channel)): Drawmer DL 251/DL 241XLR, dbx 160A, TLA, SPL
- 3-rd chan. (**insert** compress/gate for **snare top** (3rd channel)): Drawmer DL 251, dbx 160A, TLA, SPL
- 4-th chan. (**insert** gate for **snare bottom** (4th channel)): Drawmer, dbx, etc
- 5-th chan. (**insert** gate for **Tom 1**): Drawmer, dbx, etc
- 6-th chan. (**insert** gate for **Tom 2**): Drawmer, dbx, etc
- 7-th chan. (**insert** gate for **Floor Tom**): Drawmer, dbx, etc
- SubMix 1-2: (**insert** stereo compressor for **drum**: Focusrite, TLA, SPL, Summit, dbx (setup in bypass)

- 11-th chan. a) (**insert** compress for **bass**): Drawmer DL 251, TLA, SPL, dbx
b) (**insert** four-band parametric Equaliser for **bass** (one channel)): TLA 5013, BSS, SPL Qure
- 14-th chan. (**insert** compress for **E. Guitar**): Drawmer DL 251, TLA, SPL, dbx
- SubMix 3-4: can be..

- 20-th chan. (**insert** compress for **Vocal**): Drawmer, TLA, SPL, dbx
- 21-th chan. (**insert** compress for **Vocal**): Drawmer, TLA, SPL, dbx
- 22-th chan. (**insert** compress for **Vocal**): Drawmer, TLA, SPL, dbx
- 23-th chan. (**insert** compress for **Vocal**): Drawmer, TLA, SPL, dbx
- SubMix 5-6: (**insert** stereo compress for **vocals**: Focusrite, TLA, SPL, Summit, dbx (setup in bypass)

SubMix 7-8: for Side Fill system only (see Stage plot)

AuxSends – monitor systems **aux 1, aux 2, aux 3, aux 4, aux 5** (see Stage plot) and dimension processors:

- (**aux 6** Room): Yamaha SPX, TC Electronic, Lexicon
- (**aux 7** Concert Hall): Yamaha SPX, TC Electronic, Lexicon
- (**aux 8** Delay): TC Electronic, Lexicon (with TAP function).

Summary:

- 8* Pro Quality class mono compressors for insert console: Drawmer DL 251/DL 241XLR, dbx 160A, TLA, SPL, etc..
- 7* Pro Quality class mono gates for insert console: Drawmer, dbx, etc..
- 2* Pro Quality class stereo compressors for SubMix12&56: Focusrite, TLA, SPL, Summit, dbx, etc..
- 1* Dimension of (Room): Yamaha SPX, TC Electronic, Lexicon
- 1* Dimension of (Hall): Yamaha SPX, TC Electronic, Lexicon
- 1* Dimension of (Delay): TC Electronic, Lexicon (with TAP function).
- 1* MD player (bypass)- optional.
- Production of vendor: Alesis, Mackie, DOD, Behringer- to not offer!

b) FOH Master section:

1. System must have 1/3 (31 band) octave EQ's crossovers that can be controlled from mix position.
2. Pro audio 1/3 octave analyzer like KT DN60 or XTA is required to tune the system.

c) F.O.H system requirements:

System must be of **PRO Quality**: Turbo- Sound/ EAW/ Electro-Voice/ JBL, etc..

THE FRONT OF HOUSE SPEAKER FACILITIES NEED TO BE OF A SUITABLE SIZE TO FACILITATE AN EVEN DISPERSION OF VOLUME THROUGHOUT THE PROPOSED VENUE & CAPABLE OF 110db AT THE REAR OF THE VENUE WITH A MINIMUM OF DISTORTION.

F.O.H. Console: MIDAS Verona (Siena) series/ Soundcraft (MH series)/ ALLEN&HEATH (ML Series)

Minimum -32-mono, 4-stereo, 8-aux, 8-sub, full parametric per channel.

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Stage equipment

1. 6* large microphone stands.
2. 2- manuals stand for keyboard.
3. 5* Quality D.I.Boxes
4. Monitor system:
 - a) 1-st auxsend from FOH Console : 3* High quality Bi-Amp (active)floor monitors.
 - b) 2-nd auxsend from FOH Console: 1* High quality Bi-Amp (active)floor monitors.
 - c) 3-rd auxsend from FOH Console: 1* High quality Bi-Amp (active)floor monitors.
 - d) 4-th auxsend from FOH Console: 1* High quality Bi-Amp (active)floor monitors.
 - e) 5-th auxsend from FOH Console: 2* High quality Bi-Amp (active)floor monitors.
 - f) From FOH Console (SubMix 7-8)- (2) 2 or 3 Way active Side Fills capable of running a full mix (minimum 1kWt).
 - g) 7*chanells of insertable 1/3 octave EQs
5. Bass Amp&Cab : Ampeg/ Heghes&Kettner/ Gallien&Krueger (> 300 Wt).
6. Guitar Amp&Cab: Ampeg/ Messa Bugie/ Marshal /Hughes&Kettner/ Fender
7. All Drum Kit: DW/ Tama/ Pearl/ Yamaha.

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Notes

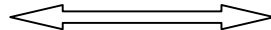
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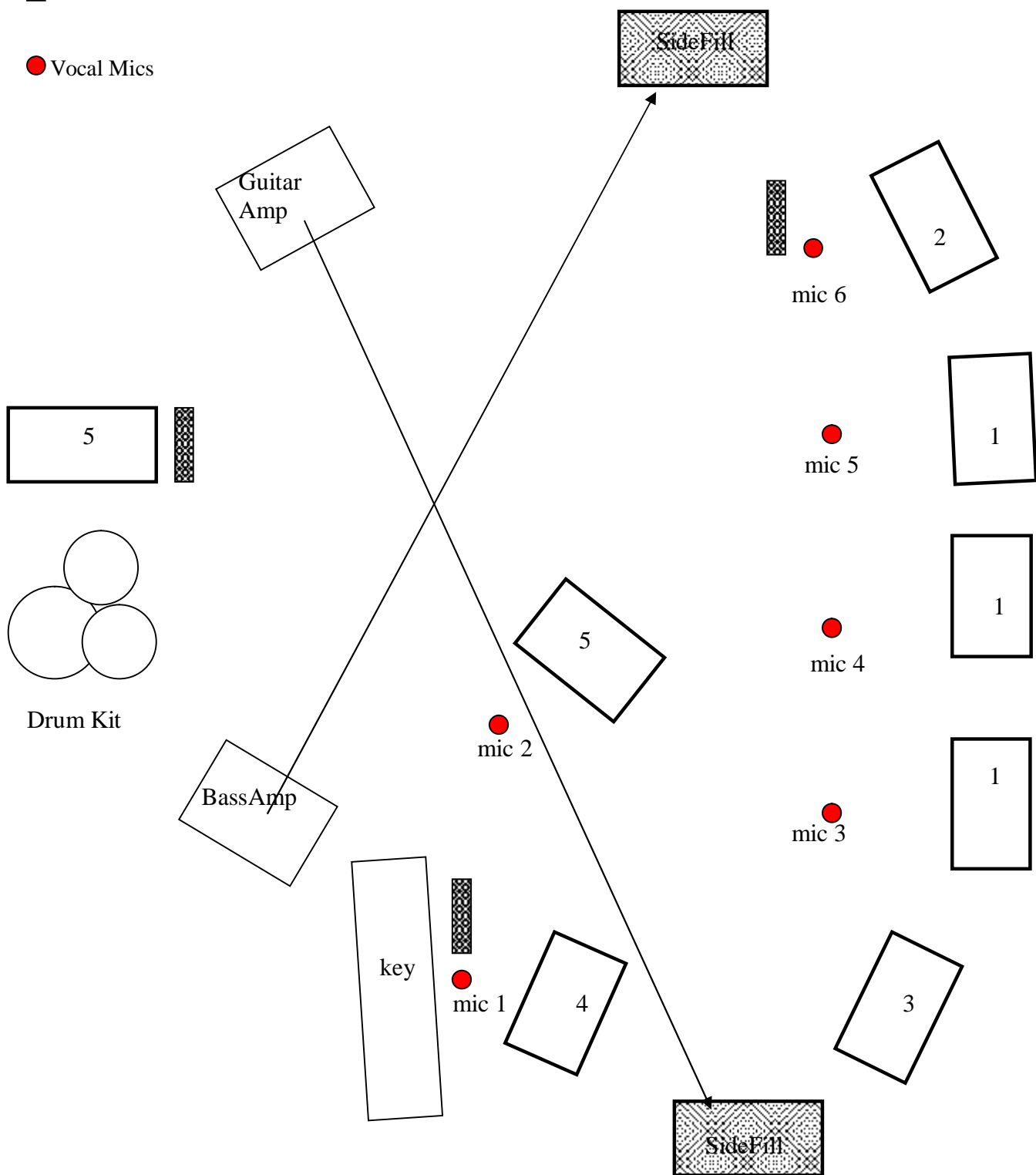
Stage Plot

- 1-st auxsend from FOH Console
- 2-nd auxsend from FOH Console
- 3-rd auxsend from FOH Console
- 4-th auxsend from FOH Console
- 5-th auxsend from FOH Console

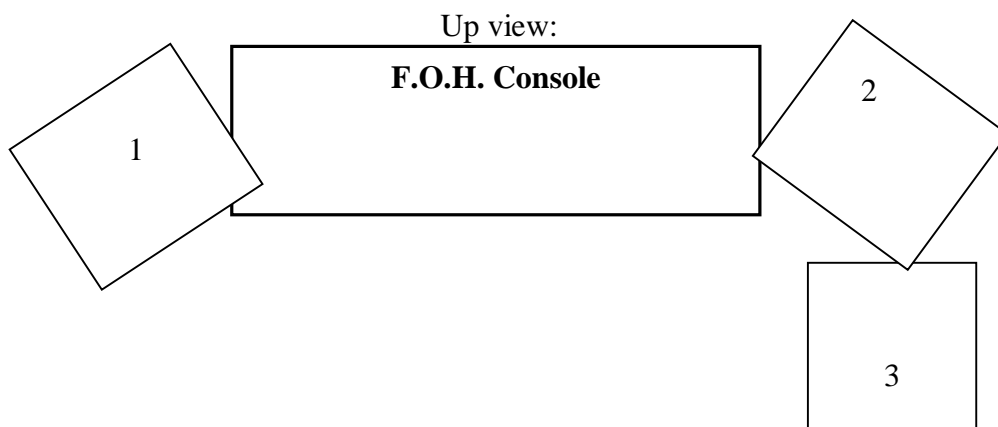
 220V AC drop

 Vocal Mics

Stage  Auditorium



F.O.H. Plot



1-st box: dynamic processors **insert**
for channels and **submix**,
dimension processors **aux**

2-nd box: master, md player,
EQs, Analyzer.

3-stand: stand or table for Laptop 17" inches (optional).

Can be:

1- st box

Room Dimention Aux 6
Hall Dimention Aux 7
Delay Dimention Aux 8
KickComp Snare Comp
Kick Gate Snare Gate
Bass Comp Guitar Comp
Kick Eq Bass Eq
Gate Gate Gate Gate
Voc Comp Voc Comp
Voc Comp Voc Comp

2-nd box

Analizer
MD
Drums SUB mix Compress
Voices SUB mix Compress
FOH EQ 31 Band Left
FOH EQ 31 Band Right
1-st monitor Line EQ
2-nd monitor Line EQ
3-rd monitor Line EQ
4-th monitor Line EQ
5-th monitor Line EQ

We use InEar system for the drummer. We require independent Direct Out's from FOH consol.

Thank you.