



Frankenkracher

Technical Rider

Document Revision

- Updated: April 28th, 2024
- Check for latest document [here](#)

Contact

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General Stage Requirements

- Minimum 6x8 meters
- Protected against rain and excessive wind
- Two risers needed
 - Drum-Riser (min 3x2 meters)
 - Keyboard-Riser (min 3x2 meters)
- 230V power outlets according to stage-plot
 - Minimum one exclusive 16A phase
 - safety-conform (DGUV V3, GFCI, overvoltage-protected)
- One lockable backstage-room with mirror and clean toilets

Local Sound Company Requirements

- Professional and experienced sound rental company
 - no hobbyists / garage companies
- At least one experienced sound-technician on-site during event
 - Responsible for FOH mix
- Pro-grade equipment
 - Feel free to use what you like, but...
 - Well tuned & deployed PA system fitting the size & setting of the event
 - No DIY, low-budget or chinese clones equipment
- Local sound-tech may provide basic technical help to band if needed (see tech-doc of band-rack at the end of document)
 - e.g. change RF-channels on band's wireless systems if needed

We provide

- All on-stage equipment including
 - backline & instruments
 - microphones
 - stands
 - DI-boxes
 - power & signal cables
 - wireless mics & IEM systems
 - IEM-mixer
 - analog signal-splitters

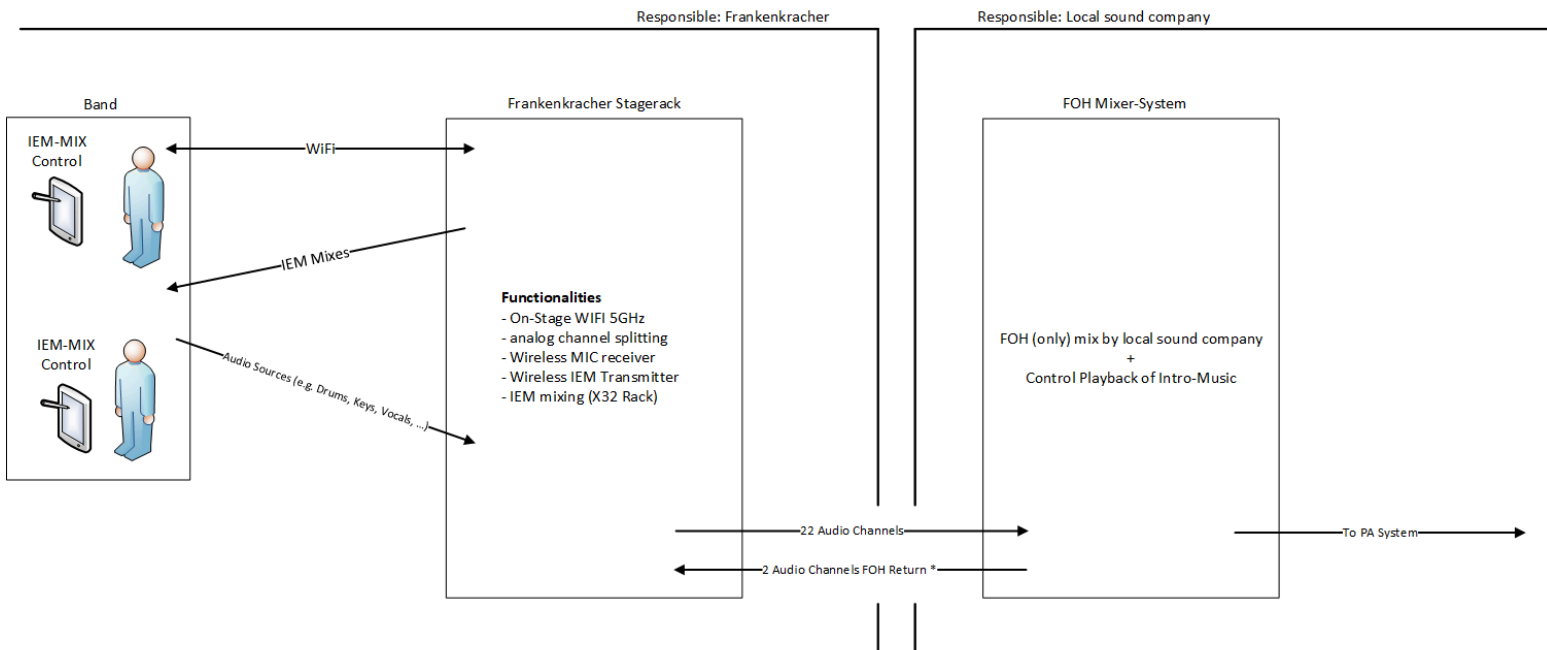
Additional Info Monitors:

Band is fully self-contained and will care about the IEM monitor mix on their own using a band-provided rack containing wireless receivers / transmitters, signal-splitters as well as an IEM mixer.

FOH Mix Infos

- FOH will receive 22 channels from the band's stage rack (galvanically isolated with signal splitter).
 - Channel-List may vary (eDrums vs acoustic-Drums)
-> **please clarify in advance**
 - All needed phantom-powers already supplied by IEM-mixer (expect one optional channel -> see channel-list)
 - Feel free to use GND-lift buttons on signal-splitters if needed
- FOH must return a Stereo-Mix back to the Stage-Rack including
 - Media-Playback (Intro-Music)
 - FOH Talkback
 - if possible -> Atmo-Mics
- FOH is responsible for playback of Intro-Music (provided via USB-Stick)
- The FOH tech should target a SPL of ~105 dBA in the "partyzone" around the stage.
 - If there are any SPL restrictions in place, please make us aware upfront, regardless of who is imposing the restrictions.
- **DO NOT** reconfigure the band's IEM-mixer (X32-Rack) in order to connect your FOH-mixer directly with AES50 or similar. Always use the analog-splitter outputs. Keep the band's rack as untouched as possible.

System Overview



* FOH needs to return a Stereo-Mix of Media-Playback + FOH-Talkback + (if possible atmo-microphone) to stage-rack

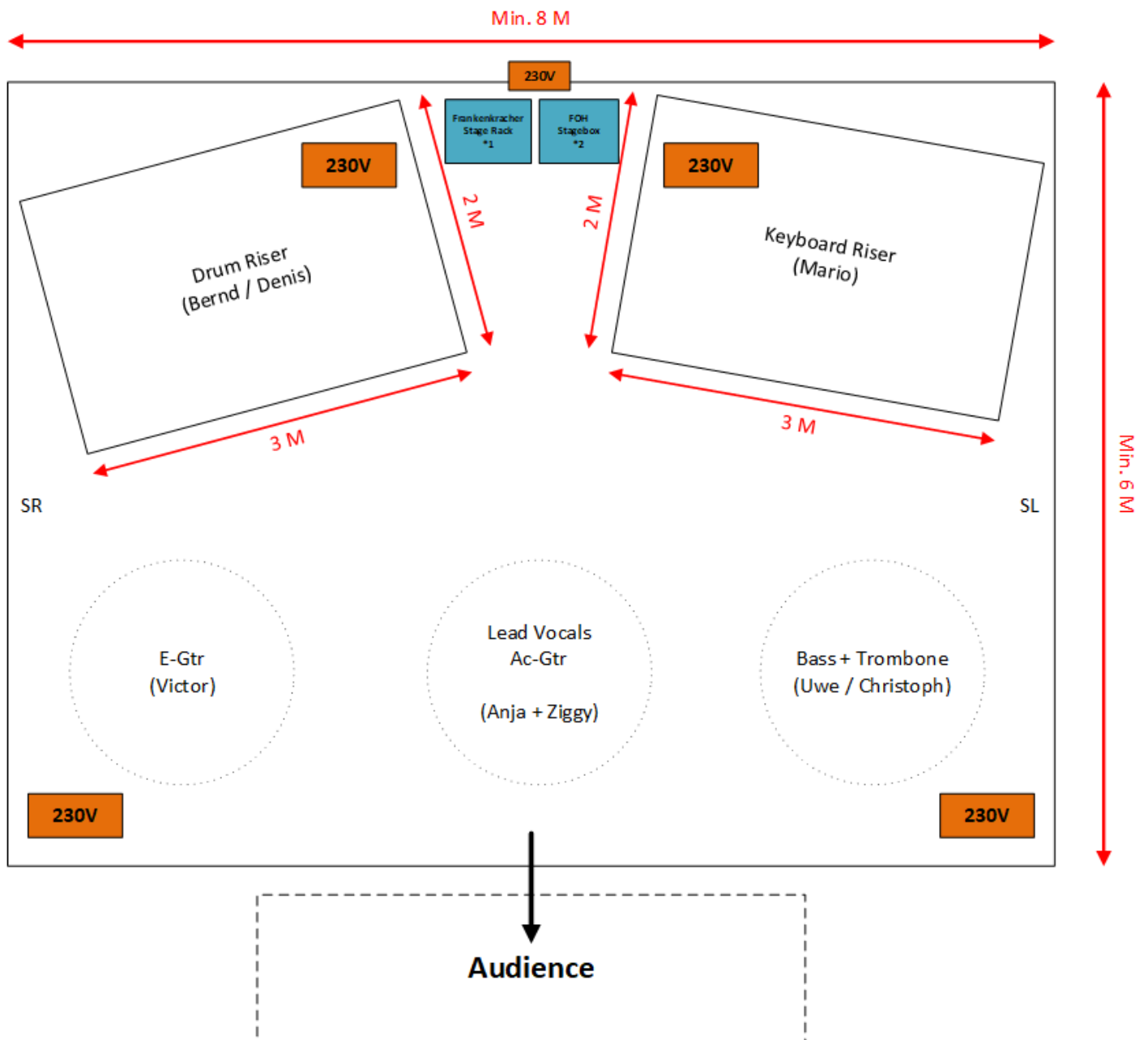
Channel List

Input & FOH-Out	Function	Channel-Name (Electronic Drums)	Channel-Name (Acoustic Drums)	IEM-Mixer (X32-Rack) Channel	Stereo-Link	Input-Type	Comment
1	Drums (Bernd/Denis)	Kick	Kick	1		External XLR Input	
2		Snare	Snare	2		External XLR Input	
3		Tom-L	Rack-Tom 1	3		External XLR Input	
4		Tom-R	Rack-Tom 2	4	Yes (eDrum only)	External XLR Input	
5		Hi-Hat	Floor-Tom	5		External XLR Input	
6		Ride	n.a.	n.a.		External XLR Input	
7		Crash-L	OH-L	6		External XLR Input	
8		Crash-R	OH-R	7	Yes	External XLR Input	
9	Electric Bass (Uwe)	Bass	Bass	8		External XLR Input	
10	Electric Guitar (Victor)	Gtr-L	Gtr-L	9	Yes	External XLR Input	
11		Gtr-R	Gtr-R	10		External XLR Input	
12	Acoustic Guitar (Ziggy)	AC Gtr	AC Gtr	11		External XLR Input	
13	Trombone (Uwe)	Trombone	Trombone	12		External XLR Input	
14	On-stage communication	Stage-Talkback	Stage-Talkback	X32 TB Input		External XLR Input	can be monitored on FOH shoutbox
15	Backing-Vocals (Victor)	Vox Victor	Vox Victor	13		External XLR Input	
16	Lead-Vocals (Ziggy)	Vox Ziggy	Vox Ziggy	14		External XLR Input	
17	Lead- / Backing- Vocals (Uwe)	Vox Uwe	Vox Uwe	15		Internal Wireless-Mic Receiver	
18	Lead-Vocals (Anja)	Vox Anja	Vox Anja	16		Internal Wireless-Mic Receiver	
19	Keyboard (Mario)	Keys-Top-L	Keys-Top-L	Aux 1		External XLR Input	
20		Keys-Top-R	Keys-Top-R	Aux 2	Yes	External XLR Input	
21		Keys-Bot-L	Keys-Bot-L	Aux 3		External XLR Input	
22		Keys-Bot-R	Keys-Bot-R	Aux 4	Yes	External XLR Input	
23	[From FOH] Music-Playback, FOH-Talkback, Atmo-Mic	FOH-Return-Left	FOH-Return-Left	Aux 5	Yes	External XLR Input	FOH doesn't need own signal back
24	[From FOH] Music-Playback, FOH-Talkback, Atmo-Mic	FOH-Return-Right	FOH-Return-Right	Aux 6		External XLR Input	FOH doesn't need own signal back

Stage Plot

*1 -> will be provided from band

*2 -> to be provided from local sound company



Band provided Stage Rack Documentation

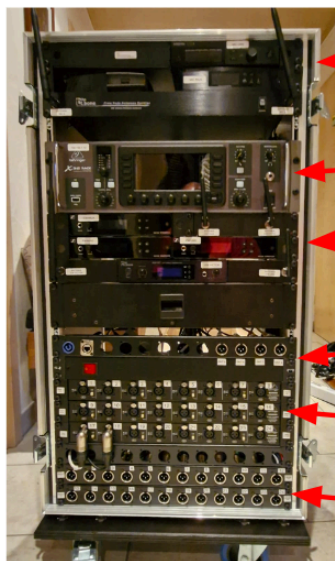
RF Systems Overview

Name	Wireless-Type	Device	Internal / External	Supported Frequency Range (MHz)	Comment
Anja	Mic	Shure QLXD4 (S50-Band)	Internal mounted	823-832 & 863-865	
Uwe	Mic	Shure SLXD4 (S50-Band)	Internal mounted	823-832 & 863-865	
Ziggy	Mic	Sennheiser XS Wireless	External connected	821-832 & 863-865	Ziggy will bring his own set
Anja	IEM	Sennheiser XSW IEM (B-Band)	Internal mounted	572-596	
Uwe	IEM	Sennheiser XSW IEM (B-Band)	Internal mounted	572-596	
Mario	IEM	Sennheiser XSW IEM (B-Band)	Internal mounted	572-596	
Victor	IEM	t.bone IEM100T	Internal mounted	863-865	
Ziggy	IEM	Sennheiser XSW IEM (B-Band)	External connected	572-596	Ziggy will bring his own set

IEM Mixes Overview

X32-Rack Mix Out	Name	Output	Wireless
1	Anja	Internal IEM Sender	Yes
2	Uwe	Internal IEM Sender	Yes
3	Mario	Internal IEM Sender	Yes
4	Victor	Internal IEM Sender	Yes
5	Ziggy	External XLR Output 5	Yes
6	Bernd / Denis	External XLR Output 6	No
7	Not used currently	External XLR Output 7	
8	Not used currently	External XLR Output 8	

Stage-Rack Overview



Wireless Mic Receivers (according to overview), Antenna Distributor & Stage-Router

IEM mixer (X32 Rack)

IEM senders according to overview

Power-Con Input; Ethernet to internal router; Mix-Outputs for wired IEM or external IEM-transmitters

Signal-Splitter Inputs (according to channel list); CH 17/18 internally from mic-receivers

Outputs to FOH stagebox (according to channel list)

Network-Settings

Router (FritzBox)

IP: 192.168.1.1

Sub: 255.255.255.0

DHCP-Range 192.168.1.100 - 192.168.1.200

X32-Rack

IP: 192.168.1.10 (fixed)