SaD - Symphony and Metallica
TECH RIDER – Upd. June 2025

STAGE

- **STAGE**: a min stage area of 12x10m is recommended. It shall be clean and clear.
- **STAGE BARRIERS**: for security reasons and for a better audio experience, stage must be limited by barriers / barricade set at least 1,5m from stage front. That will also allow photographers / cameramen with photo pass to walk in.
- **DRUM PLATFORM + SHIELD**: **3x2m h0.6m platform for the drumset is required.** A plexiglass shield is necessary to contain drum sound and it shall be provided by venue's service. Shield shall be flexible and composed by modules 60cm wide and 160cm high. Recommended shield shall be at least 6 modules (total size 3.6 x 1.6 m). Best is with 7 modules.
- **BACKGROUND (+ LEDwall when available)**: a black background / curtain is required on the back of stage. If a LED wall (or projector) is available, the show can be featured with videoshow controlled by sound engineer. Please provide with HDMI cable and / or adapter at the main FOH desk station. The recommended LEDwall resolution is 1920x1080 (Full HD) but the PC software can adjust it in case it's different.
- **CHAIRS: 19 identical chairs (black, no armrest) are required** and shall be prepared on stage as specified on stage plot layout.
- **PODIUM**: a podium shall be prepared on stage for director. Alternatively, a platform 1x1m h0,30m would fit, or alternatively a standard platform 2x1m h0,30m perpendicular to drum platform.

AUDIO

- PA: adequate power for the venue. If hung, the PA must be previously calibrated and delayed correctly by a professional audio engineer.
- **BAND SOUND ENGINEER**: band comes with **own sound engineer, Michele Scatena (Whatsapp +39 340 612 4127, michele.scatena3@gmail.com , spoken languages: English, Italian)**, who manages videoclips launch as well.
- **BAND STAGE MIXER**: band has his **own FOH mixer which also controls IN-EAR monitors**. 48V phantom is supplied by band FOH mixer) through 5GHz WiFi router on stage. Cables must match the attached channel list
- **ORCHESTRA STAGE MIXER (by venue's service):** orchestra + director require a dedicated digital stage mixer (min 24CH) with at least 2 AUX with a sound engineer (MON). Orchestra stage mixer with own sound engineer are provided by venue. Orchestra stage mixer is connected to MAIN FOH MIXER.
- **BAND FOH MIXER**: band comes with **own digital FOH mixer** (mod. Midas 32R + Midas DL32). The stage box DL32 shall be placed on stage and connected to BAND FOH mixer on the main desk station by **2x Ethernet cable (Type CAT 5E/6 or above – STP) one with ETERCON connectors and one with RJ45 connectors** previously installed by venue service. If this is not possible, please inform band sound engineer in advance. It's strongly recommended to pass the cable outside the stage and protect it by a cable duct.
  BAND FOH Mixer shall connect directly to main venue FOH mixer through 2x XLR cables (as left and right channels).
- **MAIN FOH MIXER**: in FOH position. Mixer MUST have at least 24CH. Recommended models are: Midas M series, Yamaha CL series or QL series or PM series, Digico SD series or S Series or Quantum.
  The BAND FOH mixer, as above mentioned, will connect directly to main FOH mixer through 2x XLR cables (as left and right channels) directly on the main desk station. Main desk station shall have enough free space to contain both mixers.

NOTE: the two mixers are necessary because in this way the soundcheck for the band will be much quicker as sounds are yet previously prepared.

- The orchestra and director voice are connected directly to a stage box coming from the ORCHESTRA STAGE MIXER. Stage box is provided by venue, not by band.
- WEDGE MONITORS: wedge monitors are not required at all. They can't be used otherwise the "metronome click" would be hearable by audience.
- **FRONT FILLS: due to the use of digital amplifiers, the <u>stage is MUTE</u> (except for acoustic drumset and orchestra) therefore on a 12x10 stage at least 3x FRONT FILL speakers are required for the first rows audience. Quantity increases accordingly to stage width.**
- BAND MICROPHONES: band comes with own microphones
- **ORCHESTRA MICROPHONES**: are all provided by venue. In case of trouble, please advise band FOH sound engineer well in advance. See attached equipment list
- **DIRECTOR'S MICROPHONE + wireless systems**: venue shall provide with 1 <mark>wireless</mark> headband microphone + 1 wireless system for headphones. Headphones are brought by Director himself.
- CABLES & MIC STANDS: **band does NOT bring cables neither mic stands** (except for the 3 front vocals who use <u>own mic stands)</u>. See channels list for details.
- ORCHESTRA HEADPHONES: in-ear phones for all orchestra members are provided by band (or brought by orchestra musicians themselves).
- **HEADPHONES PRE-AMP**: 1 headphones pre-amp (4 outputs) is provided by band along with 4x 5-WAY mini jack female splitters. The ORCHESTRA STAGE MIXER supplied by venue will connect to the headphones' pre-amp with 1 AUX channel. The headphones preamp requires 4x 15m MALE JACK to MINI JACK 3.5 FEMALE cables provided by band. See stage plot in blue color.

NOTE: Orchestra musicians, in their headphones, shall hear only: sequences, metronome click and director's voice

EQUIPMENT TO BE PREPARED BY VENUE'S SERVICE (<u>SUMMARY</u>)

<u>Please print this sheet and check with a V each box when material is prepared and placed in the designed area. Once done please give it to BAND SOUND ENGINEER upon arrival.</u>

#	CHECK	QTY	DESCRIPTION
1		-	Safety barriers / concert barricade at 1.5m from stage
2		1	Plexiglass shield 6 modules 0.6m x h1.6m (total 3.6m)
3		-	Black background / curtain
4		1	Drum platform 3x2m H0,6m
5		3	Front fills
6		19	Black chairs for orchestra (no armrest, equal each other)
7		1	Ethernet cable CAT5E/6 STP with ETERCON from band stage box DL-32 to main station desk
8		1	Ethernet cable CAT5E/6 STP with RJ45 from band stage ROUTER to main station desk
9		1	24ch Orchestra stage mixer with monitor sound engineer (MON) connected to MAIN FOH mixer
10		7	230V supply sockets as placed on stage plot
11		11	10m XLR cables for orchestra on right side
12		9	10m XLR cables for orchestra on left side
13		8	5m XLR cables for drumset
14		3	10m XLR cables for drumset
15		5	3m JACK TRS to XLR (male) cables from PC with sequences to Band Stage Box
16		1	10m JACK TRS to XLR (female) cable from stage mixer to headphones preamp
17		3	3m JACK TRS to XLR (male) cables from PC to Orchestra Stage Box
18		8	10m XLR cables for front guitars + bass + voices
19		1	Wireless headband microphone for director
20		1	Wireless system for director headphones
21		10	Long mic stands
22		--	Venue MAIN FOH Digital 24Ch mixer connected to PA
23		1	Director's podium (or 1x1 h0,30m or 2x1 h0,30m platform)
24		1	HDMI cable on main desk station for videoshow if LEDWALL is present (optional)
25		3	Analogic multicore stage box with 12 INPUTS available (for drumset, orchestra left, orchestra right)
26		1	Analogic multicore stage box with 8 INPUTS available (for front guitars and voices)
27		1	Analogic multicore stage box with 4 INPUTS available (for front guitars and voices)

BAND CHANNELS LIST
(BAND STAGE BOX TO BAND FOH MIXER)

CH	DESC	MIC	OTB	MIC STAND
1	Kick 1	AUDIX D6 (by SAD)	Comp / Gate	NO
2	Kick 2	AUDIX D6 (by SAD)	Comp / Gate	NO
3	Snare Up	m201 (by SAD)	Comp	CLAMP
4	Snare Down	m201 (by SAD)	Comp	CLAMP
5	Hi-Hat	i53 (by SAD)		CLAMP
6	Tom 1	AUDIX D2 (by SAD)	Comp / Gate	CLAMP
7	Tom 2	AUDIX D2 (by SAD)	Comp / Gate	CLAMP
8	Floor Tom 1	AUDIX D4 (by SAD)	Comp / Gate	CLAMP
9	Floor Tom 2	AUDIX D4 (by SAD)	Comp / Gate	CLAMP
10	Overhead L	AUDIX ADX51 (by SAD)		long
11	Overhead R	AUDIX ADX51 (by SAD)		long
12	Bass DI	MONO D.I. (by SAD) + XLR	Comp	
13	GT Center L	XLR		
14	GT Center R	XLR		
15	GT Lead Right L	XLR		
16	GT Lead Right R	XLR		
17	Back Vocal Left (BASSIST)	SHURE SH 55 (by SAD)		By SAD
18	Back Vocal Right (GUITARIST)	SHURE SH 55 (by SAD)		By SAD
19	Lead vocal (Center)	SHURE SH 55 (by SAD)		By SAD
20	Metronome CLICK	XLR		
21	Click vocal reference	XLR		
22	Sequence STRINGS	XLR		
23	Sequence WINDS + BRASS	XLR		
24	Sequence TIMPANI + HARP	XLR		

Legenda:
Orange = BY VENUE
Blue = BY SAD

ORCHESTRA STAGE MIXER CHANNELS LIST

--> All channels Output to Main FOH Mixer

CH	DESC	MIC	MIC STAND
1	VIOLIN I	DPA 4099 or similar	
2	VIOLIN I	DPA 4099 or similar	
3	VIOLIN I	DPA 4099 or similar	
4	VIOLIN I	DPA 4099 or similar	
5	VIOLIN II	DPA 4099 or similar	
6	VIOLIN II	DPA 4099 or similar	
7	VIOLA	DPA 4099 or similar	
8	VIOLA	DPA 4099 or similar	
9	CELLO	DPA 4099 or similar	
10	CELLO	DPA 4099 or similar	
11	D. BASS	DPA 4099 or similar	
12	FLUTE	Shure SM58 or similar	Long
13	OBOE	Shure SM58 or similar	Long
14	CLARINET	Shure SM58 or similar	Long
15	HORN	Shure SM58 or similar	Long
16	TRUMPET	Shure SM58 or similar	Long
17	TROMBONE	Shure SM58 or similar	Long
18	TIMPANI L	Shure SM58 or similar	Long
19	TIMPANI R	Shure SM58 or similar	Long
20	HARP	Schertler DYN H P48	
21	DIRECTOR'S VOICE	WIRELESS HEADBAND MIC	
22	METRONOME CLICK	XLR	
23	SEQUENCE MIX 1	XLR	
24	SEQUENCE MIX 2	XLR	

Legenda:
Orange = BY VENUE
Blue = BY SAD

MAIN FOH MIXER CHANNELS LIST

CH	DESCRIPTION
1	VIOLIN I
2	VIOLIN I
3	VIOLIN I
4	VIOLIN I
5	VIOLIN II
6	VIOLIN II
7	VIOLA
8	VIOLA
9	CELLO
10	CELLO
11	D. BASS
12	FLUTE
13	OBOE
14	CLARINET
15	HORN
16	TRUMPET
17	TROMBONE
18	TIMPANI L
19	TIMPANI R
20	HARP
21	BAND FOH MIXER L
22	BAND FOH MIXER R

RECOMMENDED STAGE 12X10M
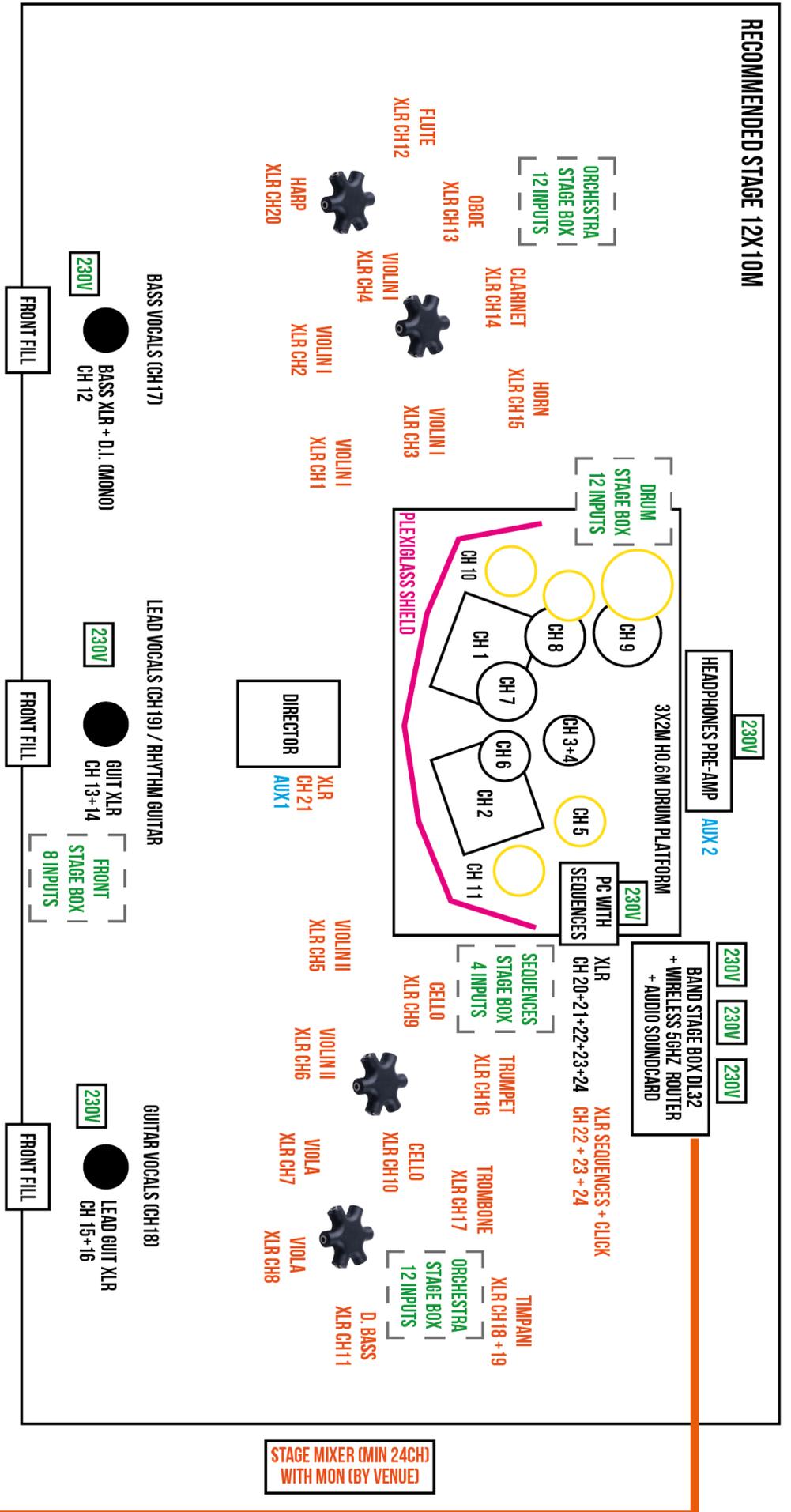
SAFETY BARRIERS / CONCERT BARRICADE (AT LEAST 1,5M FAR FROM STAGE)

SYMPHONY & METALLICA

ORCHESTRA STAGE BOX 12 INPUTS

FLUTE XLR CH12

HARP XLR CH20

OBOE XLR CH13

CLARINET XLR CH14

VIOLIN I XLR CH4

VIOLIN I XLR CH2

VIOLIN I XLR CH3

VIOLIN I XLR CH1

HORN XLR CH15

230V

BASS VOCALS (CH17)

BASS XLR + D.I. (MONO) CH 12

FRONT FILL

DRUM STAGE BOX 12 INPUTS

PLEXIGLASS SHIELD

CH 10

CH 8

CH 9

CH 1

CH 7

CH 3+4

CH 6

CH 2

CH 5

CH 11

3X2M H0.6M DRUM PLATFORM

HEADPHONES PRE-AMP   AUX 2

230V

PC WITH SEQUENCES

XLR CH 20+21+22+23+24

230V

SEQUENCES STAGE BOX 4 INPUTS

CELLO XLR CH9

VIOLIN II XLR CH5

TRUMPET XLR CH16

BAND STAGE BOX DL32 + WIRELESS 5GHZ ROUTER + AUDIO SOUNDCARD

230V
230V
230V

XLR SEQUENCES + CLICK CH 22 + 23 + 24

DIRECTOR

XLR CH 21   AUX1

LEAD VOCALS (CH19) / RHYTHM GUITAR

230V

GUIT XLR CH 13+14

FRONT FILL

FRONT STAGE BOX 8 INPUTS

VIOLIN II XLR CH6

CELLO XLR CH10

VIOLA XLR CH7

VIOLA XLR CH8

TROMBONE XLR CH17

TIMPANI XLR CH18 + 19

ORCHESTRA STAGE BOX 12 INPUTS

D. BASS XLR CH11

230V

GUITAR VOCALS (CH18)

LEAD GUIT XLR CH 15+16

FRONT FILL

MAIN DESK STATION

MAIN FOH MIXER (MIN 24CH) BY VENUE

BAND FOH MIXER (MIDAS M32R) BY SAD

PC LAPTOP HDMI (FOR VIDEOSHOW)

1x ETHERNET CABLE - RJ45 CONNECTORS
CABLE SPEC.: CAT5E/6 OR ABOVE - STP TYPE
1x ETHERNET CABLE - ETERCON CONNECTORS
CABLE SPEC.: CAT5E/6 OR ABOVE - STP TYPE

STAGE MIXER (MIN 24CH) WITH MON (BY VENUE)

LIGHTING

- LIGHTING ENGINEERS: band comes with 1 own lighting engineer **Matteo Nato (whatsapp +39 338 540 3820, email nato.matteo@gmail.com , spoken languages: English, Deutsch, Italian)**. At least one venue's service lighting engineer must be available: it's necessary that the venue's service qualified lighting engineer knows exactly the patch, addresses and universes of the lights. He also must be familiar with the material and wiring used.
- LIGHTING CONSOLE: to use custom lights programs specific for the show, it's required to get a ==GrandMA Light== as ==lighting desk console==. The recommended model would be **GrandMA3** (alternatively GrandMA2 is fine anyway). In case any of these models are not available, our light engineer must know it well in advance in order to hire the required lighting console. **In this case the band will add the rent cost on top of the agreed amount.** Lighting console must be installed and tested with lights before the band arrival.
- **LIGHTS PLOT:** a recommended lighting plot is attached to this document. Light types, models and layout can be different but **our lighting Engineer must know the official set and layout in order to customize the scene at least 2 weeks before the show.** As soon as venue's service has defined the official plot, please send it to sadmetallica@gmail.com.

RECOMMENDED LIGHTING EQUIPMENT TO BE PREPARED BY VENUE'S SERVICE (SUMMARY):

#	CHECK	DESCRIPTION
1		**REQUIRED Lighting console: GrandMA3 Light (or alternatively GrandMA2 Light) + 1x Venue lights engineer**
2		1x power strip in the FOH control room with min 5x sockets is required to power the lighting console, any screen and computer
3		5x PC 1000W spotlights complete with fixed aiming flags for the 4 musicians (4 in front and 1 for drummer). NOTE: PC lights can be replaced by SPOT moving heads
4		8x PC 1000W spotlights (4 each side) complete with flags for fixed aiming at orchestra members
5		1x PC 1000W spotlight complete with flags for fixed aiming on conductor
6		8x WASH discharge/Led moving heads (type Prolights Diamond, Robe Led beam 350) for stage front
7		8x (or more) 2-lamp blinders (DWE) facing the audience
8		16x WASH discharge/Led moving heads (Type Prolights Diamond, Robe Led beam 350) for stage colour on lighting truss
9		14x BEAM moving heads (Type Robe Pointe, Clay Paky Sharpy or Sharpy Plus) for backlighting on lighting truss
10		8x BEAM moving heads (Robe Pointe, Clay Paky Sharpy Plus type) on the back side on the ground
11		6x BEAM moving heads (Robe Pointe type, Clay Paky Sharpy Plus) on the front sides on the ground
12		2x (or more) smoke machines on the ground stage sides
13		8x or 12x Martin Atomic 3000 Strobes (or similar) for backlighting
14		4x DMX512 transports (3 or 5 poles depending on the method used by the service) of suitable size, required for connection from the FOH station to the stage/roof/splitters. NOTE: discuss in advance with the lighting technician for alternative types of transport and signal diffusion

LIGHTING TRUSS (ROOF) PLOT

LEGENDA:
W = WASH
PC = PC
B = BEAM
AT = ATOMIC 3000
DWE = BLINDER

LIGHTING TRUSS FRONT

LIGHTING TRUSS CENTRAL 2

LIGHTING TRUSS CENTRAL 1

LIGHTING TRUSS BACK

3D VIEW