

# The Machine

## Technical Requirements Rider

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### IF ANY TECHNICAL REQUIREMENT ON THIS RIDER CANNOT BE MET, PLEASE CONTACT:

<u>Manager</u>	<u>Tour Manager</u>	<u>Lighting</u>	<u>Sound</u>
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## 1. FRONT OF HOUSE/MONITOR REQUIREMENTS

### a. FOH Speakers:

Accepted speakers/manufacturers:

Vdosc, Adamson, Martin, Meyer, Clair, EAW, JBL, EV, Turbosound, Nexo, McCauley  
110 db (A-weighted) with headroom must be attainable at mix position

### b. FOH Consoles

Forty (40) mono channels with a minimum of four (4) stereo channels are required for the Machine's use only. Additional inputs will be required for support acts.

The following models are acceptable:

- i. Midas Heritage 1000, 2000, 3000, XL250, XL3, XL4
- ii. Yamaha PM 4000, 5000
- iii. Soundcraft MH4, series 4, 5
- iv. Crest X8 VCA or XVCA
- v. Allen and Heath GL4000, ML4000, 5000 only
- vi. Digital Models acceptable *with advance notice*

### c. FOH Dynamics/EFX/Processing (for the Machine's use only)

- i. Ten (10) channels of insertable compression (DBX, BSS, TC, Drawmer)
- ii. Four (4) channels of insertable gates (DBX, BSS, Ashly, Drawmer)
- iii. One (1) 1/3 octave stereo EQ (Klark Teknik, BSS, Ashly, DBX, etc) is required for each zone of loudspeakers
- iv. Two (2) SPX-2000's or TC Electronic M-3000's or equivalent

### d. FOH System Tech

One (1) competent FOH system tech

### e. Monitor Consoles:

Forty (40) mono channels with a minimum of two (2) stereo channels are required for the Machine's use only.

### f. Monitor Dynamics/EFX/Processing (for the Machine's use only)

- i. Four (4) channels of insertable compression (DBX, BSS, TC, Drawmer)
- ii. Four (4) channels of insertable gates (DBX, BSS, Ashly, Drawmer)
- iii. One (1) 1/3 octave stereo EQ (Klark Teknik, BSS, Ashly, DBX, etc) is required for each wedge mix
- iv. Two (2) SPX-2000's or equivalent

### g. Monitor Speakers

A total of ten (10) mixes will be required

Two (2) wedge mixes will be required

Wedges will be Bi-amp 12" or 15" by 2". Any of the above listed FOH manufacturers will be acceptable.

When the Machine is contracted to provide their own backline, the Machine will provide four (4) stereo In-Ear Monitors (complete with transmitters, receivers, and ear buds). In addition, the Machine will provide a drum sub and necessary processing for the drum mix. Further, the Machine will provide a splitter to interface with the drummer's mixer ONLY. House splitter will be required to feed the House FOH and monitor consoles. In other words, the drummer will mix his own monitor only.

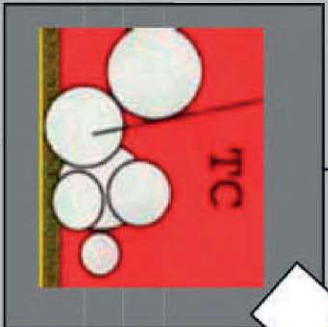
When the Machine is NOT contracted to provide their own backline, the sound company will provide four (4) stereo In-Ear Monitors (complete with transmitters, receivers, and ear buds). Shure PSM 600 transmitter and receiver with SCL5 ear buds. In addition, the sound company must provide a single 18" sub or dual 15" sub for the drum mix with a minimum of 1500 watts of power.

### h. Monitor Engineer:

One (1) competent Monitor Engineer

16 Feet

DRUMS 8'X8' Riser  
(18" or 12")



Stage Power  
Drum  
FX  
Inputs 23, 24

Inputs 1-11

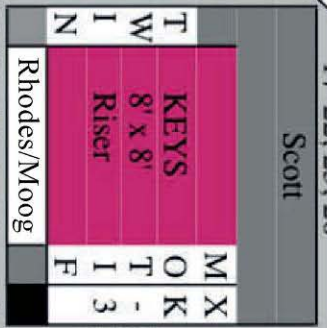
Stage Power

Bass | Bass  
Cab | FX  
Inputs 12, 16  
IEM Mix 3 (stereo)

Leslie



Inputs  
17-22, 25, 26



IEM Mix 1 (stereo)

Marshall

GUITAR

Inputs  
13, 14  
Stage  
Power



Joe - 8'x6'

IEM Mix 2 (stereo)

BASS

Ryan - 8'x6'



Input 28

Stage Power

2. STAGE PLOT

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### 3. INPUT LIST

House Input	Drum Split	Instrument	MIC	FOH Insert	Mic Stand	48 Volts
1	YES	Kick	Beta 91	Gate 1		Yes
2	YES	Snare	SM 57		Short Boom	
3	NO	HH	AKG 451		Short Boom	Yes
4	YES	Rack 1	Senn. 904	Gate 2		
5	YES	Rack 2	Senn. 904	Gate 3		
6	YES	Option	Senn. 904	Gate 4		
7	YES	Floor Tom	Shure B52	Gate 5		
8	YES	Rotos	2x SM 57	Comp 5	Tall Boom	
9	NO	Percussion Pad	DI		Short Boom	Yes
10	YES	OH SR	AT 4050		Tall Boom	Yes
11	NO	OH SL	AT 4050		Tall Boom	Yes
12	YES	Bass	XLR	Comp 6		
13	YES	Joe Gtr DI Rack	Sans Amp			
14	YES	Joe Gtr Mic	Senn. 906		Z Bar	
15	YES	Joe Talkbox	SM 57	Comp 7	Tall Boom	
16	NO	Ryan Gtr DI	Radial Pro DI			
17	YES	Motif Left	Radial J DI			
18	YES	Motif Right	Radial J DI			
19	YES	Moog	DI DSR			
20	YES	Leslie Top Left	Senn. 604			
21	NO	Leslie Top Right	Senn. 604			
22	NO	Leslie Bottom	Senn. 604			
23		Sampler Left	DI DSC			
24		Sampler Right	DI DSC			
25	YES	Rhodes	Senn. 609		Z Bar	
26	YES	Scott Vox	Beta 88	Comp 8		
27	YES	Joe Vox	Senn. 835	Comp 9	Tall Boom	Yes
28	YES	Ryan Vox	Senn. 835	Comp 10	Tall Boom	
29	NO	Ambient Mic SL	MXL 603		Short Boom	Yes
30	NO	Ambient Mic SR	MXL 603		Short Boom	Yes
31		Ride Cymbal	Senn. 904			
32		Sax/Melodica	Beta 58			
33		Guest Vox	Beta 58			
34		Spare				
35		Spare				
40		FOH Talk to IEM	SM 58			
ST 1		House FOH FX				
ST 2		House FOH FX				
ST 3		House FOH FX				
ST 4		iPod				
Aux 1		Machine FOH FX 1	XLR			
Aux 2		Machine FOH FX 2	XLR			
Aux 3		Machine FOH FX 3	XLR			
Aux 4		House FOH FX 1				
Aux 5		House FOH FX 2				
Aux 6		House FOH FX 3				
Aux 7		FOH Talk to Stage				
Aux 8		(Subs)				
Group 1		Drums Left		Comp 1		
Group 2		Drums Right		Comp 2 (link to 1)		
Group 3		Keys Left		Comp 3		
Group 4		Keys Right		Comp 4 (link to 3)		
VCA 1		Drums				
VCA 2		Bass				
VCA 3		Guitar				
VCA 4		Keys/Sampler				
VCA 5		Vocals				
VCA 6		FX				
VCA 7						
VCA 8		ALL				

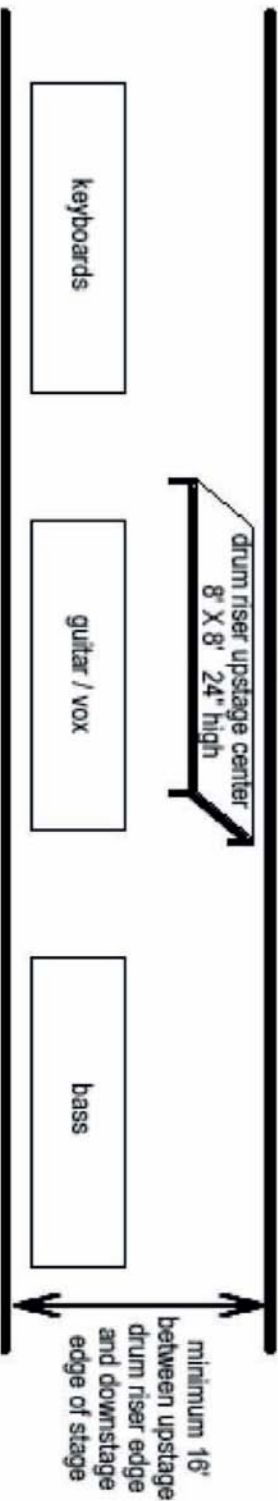
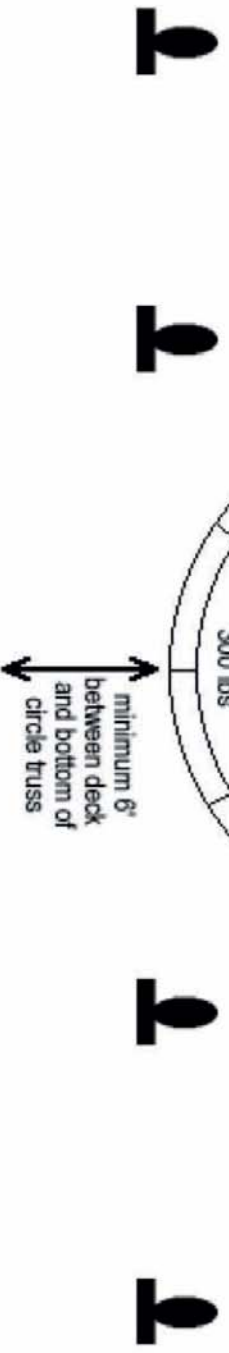
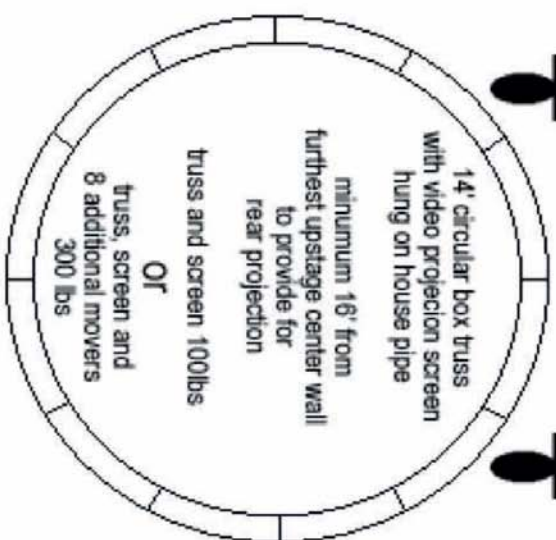
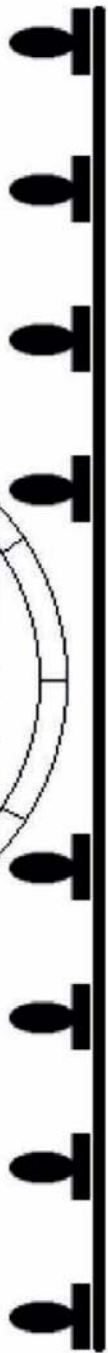
Monitors					
(mono inputs same as FOH)					
ST Ret 1		Reverb (house provides)			
Aux 1		Bass IEM L			
Aux 2		Bass IEM R			
Aux 3		Guitar IEM L			
Aux 4		Guitar IEM R			
Aux 5		Keys IEM L			
Aux 6		Keys IEM R			
Aux 7		(Reverb TBD)			
Aux 8		(Sax TBD)	Wedge DSCL		
Aux 9		(Fem Vox TBD)	Wedge DSCL		
Aux 10		FOH Talk to Stage	Wedge DSC		

#### 4. LIGHTING REQUIREMENTS

- Please contact Lighting Designer at least 2 weeks prior to event to discuss any changes or any minimum requirements that cannot be met to hang the full show.
- House pipe must be available to hang circle truss at minimum of 20 feet. The truss and screen weigh 100 lbs.
- When possible, 8 additional moving lights may be hung on circle also. This brings the weight to approx. 300 lbs.
- House pipe must be available to hang 8 moving lights at a height of 22'. Each light weighs 75 lbs. If pipe is not available, The Machine will provide ground support lifts for the moving lights only. (NOT the circle truss!)
- Power requirements: 1 x 100amp single phase service within 100 feet of the performance area.
- Lighting data lines: The Machine requires two (2) 3-pin or 5-pin dmx lines from the stage to lighting FOH area (male end of connector at FOH).
- The Machine will have access to all house lighting, house consoles, and the ability to re-focus any fixtures needed to be re-focused.
- A minimum of (24) 1k par 64' upstage and (24) 1k par 64's downstage with (4) leko specials with acceptable gel colors given by The Machine's LD.
- Acceptable gel colors: L126(magenta), L135(amber), L119(dark blue), L139(green), L106(red), L180(violet), L181(congo) or similar colors. Plot and gel patterns to be discussed prior to show depending on house plot.
- The Machine will require at least two dedicated lighting stagehands familiar with electrics and rigging to hang the show with The Machine's LD and crew.
- The Machine carries their own moving lights, circle truss, projector, and screen for all video.
- 4-6 hours is required to properly hand and focus The Machine's lighting plot.
- A water-based hazer (Le Maitre diffusion with Neutron fluid) WILL be used for the event. The Venue is responsible to make sure any requirements (fire codes, fees, etc.) are taken care of prior to the date of the show. Haze will start being used at time of focus until the show ends.
- If any of these requirements cannot be met, they MUST be discussed with The Machine's LD to come to an acceptable solution.

# "The Machine" lighting plot

22' trim  
house pipe




**Optima Matrix 575 spot moving head**  
 75 lbs per unit  
 additional circle truss moving lights  
 25 lbs per unit

## 5. VIDEO REQUIREMENTS

- a. If THE MACHINE has been contracted to provide THE INTERSTELLAR LIGHT SHOW with Video:
  - i. There must be house pipe to fly circle trussing (14' diameter), 20' from downstage edge with trim height of 24' - *NO EXCEPTIONS*.
  - ii. There must be a minimum of 16' of depth from circle truss's location to upstage edge for video projector, also flown from house pipe.
  - iii. If house pipe is not available upstage, please provide Genie tower or other flying methods (to be approved by Machine's road manager)
- b. If PURCHASER is contracted to provide VIDEO:
  - i. Please provide a 14' diameter circular truss with Screen. The screen should be capable of rear projection, and would be the preferred method.
  - ii. If purchaser does not have appropriate area for rear projection, please make sure there is a functioning remote for the DVD player as well as required lumen amounts for FRONT PROJECTION.
  - iii. Please advance with The Machine's Lighting director to insure that there is appropriate stage to ceiling height to accommodate the trussing.
- c. PROJECTOR - Sanyo XP55 or equivalent
  - i. must have minimum of 4500 Lumens for REAR PROJECTION
  - ii. must have minimum of 5500 Lumens for FRONT PROJECTION
- d. DVD PLAYER - Tascam 5500 or equivalent - must be multi format capable
- e. Video Mixer with two (2) inputs, three (3) outputs and one (1) cue output
- f. Two (2) on stage video monitors- (downstage center, drum riser)
- g. All necessary cables to connect all equipment.
- h. Two (2) additional technicians exclusively for video production. They will be under the direction of The Machine's lighting director. Duties will include assisting assembly of truss, screen and running DVD player.

## 6. POWER REQUIREMENTS

- a. A minimum of (4) four 20-amp circuits must be dedicated for the use of the Machine's backline. No other venue equipment can be connected to these circuits. The electrical ground for the backline shall be the same as the electrical ground for the sound system.
- b. A 220 volt, single phase, 100 amp/leg service terminated in a disconnect panel within 50ft. of the stage shall be provided for the exclusive use of The Machine's lighting tech. The electrical ground for the lighting systems (both house and the Machine's) shall be isolated from the electrical ground for the sound system and the Machine's backline.
- c. If The Machine has been contracted to provide THE INTERSTELLAR LIGHT SHOW with Video, there must be house pipe to fly circle trussing, 20' from downstage edge with trim height of 24' – *NO EXCEPTIONS*. One (1) 20-amp circuit shall be dedicated for the use of the Machine's Video system. The electrical ground for the video systems must be isolated from the electrical ground for the sound system and the Machine's backline. Video and Lighting can share electrical grounds.
- d. A power source adequate for all sound requirements will be provided. The electrical ground for the sound equipment will be isolated from all lighting and video equipment.

## 7. STAGING REQUIREMENTS

- a. Thirty-two (32) foot wide by twenty-four (24) foot deep stage with a twenty-four (24) foot trim. If the Machine has been contracted to provide THE INTERSTELLAR LIGHT SHOW, then the stage will be forty (40) feet deep.
- b. One eight (8) foot wide by eight (8) foot deep by sixteen (16) inches high drum riser.
- c. One eight (8) foot wide by eight (8) foot deep by twelve (12) inches high keyboard riser.

We hope this rider explains the needs of the artist in full. If you have any questions, or if any requirement on this rider cannot be met, please contact the appropriate staff member as listed at the beginning and end of this document.

Accepted and agreed,

\_\_\_\_\_  
Purchaser

\_\_\_\_\_  
Artist

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

**IF ANY TECHNICAL REQUIREMENT ON THIS RIDER CANNOT BE MET, PLEASE CONTACT:**

Manager

Barney Kilpatrick  
770-518-6434  
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Tour Manager

Walter Teperino  
561-779-8297  
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Sound

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