

**Endre-eNerd**

**Tech Rider**

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v1.0

# Contents

<b>1. General</b> .....	<b>3</b>
<b>2. Stage &amp; FOH position</b> .....	<b>3</b>
<b>3. Timing</b> .....	<b>4</b>
<b>4. Local crew</b> .....	<b>4</b>
<b>5. PA</b> .....	<b>4</b>
<b>6. FOH mixing desk</b> .....	<b>4</b>
<b>7. Input Channel list</b> .....	<b>5</b>
<b>8. FOH outboard FX</b> .....	<b>5</b>
<b>9. Microphones</b> .....	<b>5</b>
9.1. Trumpet / Sax / Vocals: .....	6
9.2. Drums: .....	6
9.3. Microphone Stands and Clamps .....	6
<b>10. Stage Monitoring</b> .....	<b>6</b>
<b>11. Stage Backline</b> .....	<b>7</b>
11.1. For All (except sax): .....	7
11.2. Trumpet.....	7
11.3. Vocals .....	7
11.4. Drums .....	7
11.4.1. Shells .....	7
11.4.2. Cymbals .....	8
11.4.3. Hardware.....	8
11.4.4. Drum rack.....	8
11.4.5. Other .....	8
<b>12. Visuals</b> .....	<b>9</b>
12.1. Lighting .....	9
12.2. Projection .....	9
<b>13. Contact</b> .....	<b>9</b>
<b>14. Appendix: Cheat Sheet</b> .....	<b>10</b>

## 1. General

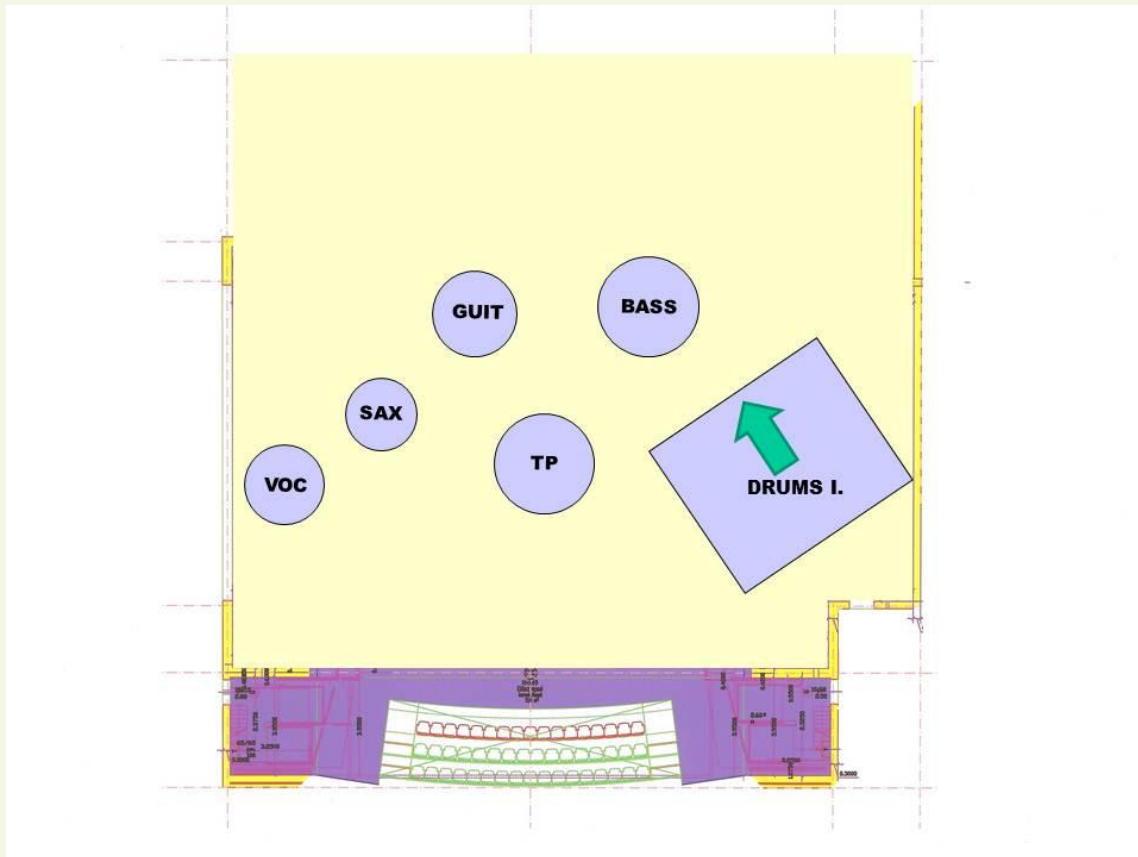
The present document sums up the key technical requirements of the Endre-eNerd (the Artist) performances. Please note that the requirements listed below are valid for Europe only and are based on the assumption that the Artist can provide

- the drum kit
- the cymbals
- the on-stage mixers
- the on-stage dynamic processors (3 x FMR Audio RNC 1773, SPL Transient Designer 4)
- the audio interface (RME Fireface 800)
- the in-ear monitor system including the splitters, preamps and personal mixers.

Overseas inquiries will be handled separately.

**IMPORTANT:** No changes to the below listed equipment and requirements can be made without the written approval of an authorized representative of the Endre-eNerd staff.

## 2. Stage & FOH position



- The stage has to be at least 6m x 4m, even and dry.
- There must be sufficient lighting for load in, set up, sound check and load out.

- Drum riser is not required, but if there is one, it should be at least 3m x 3m and not higher than 0.6m.
- The stage and FOH position including all the equipment should be secure and safe from access of unauthorized persons.
- Neither the controls on the FOH mixing console (or the saved scenes in case of a digital mixer) nor the FOH outboard effect settings nor the on-stage equipment settings can be altered after sound check.
- Any music to be played before or after the performance (including DJ sets) should be patched through the FOH mixer and all transitions should be handled by the Artist.

### **3. Timing**

Load in time is 15 minutes, in case if there's direct access to the stage from the car park. At least 120 minutes must be provided for set-up and 60 minutes for sound check. This time may be longer if there are technical problems e.g. the requested gear is not working as expected.

### **4. Local crew**

*Provided by the promoter.*

- A local technician with sufficient knowledge of the local sound, lighting and other electrical systems should be available during our entire presence at the venue from load in to load out, especially during load in, sound check and the performance itself.
- The promoter is expected to provide two local stagehands to load in and out the Artist's equipment.

### **5. PA**

*Provided by the promoter.*

There are no preferred brands (actually there are, but the list would be too long), but the PA system should be capable of handling a massive amount of low frequencies without choking the sound. The promoter is expected to share the specs of the PA and the dimensions of the venue with the Artist at least weeks before the show.

### **6. FOH mixing desk**

*Provided by the promoter.*

The FOH mixing desk shall be of a professional brand designed for high quality live sound applications (Yamaha, Midas, Allen & Heath, Crest i.e.) equipped with at least four groups and group inserts, with all channels input pre amps, EQ's and filters as well as all additional send and return possibilities and all the metering options in proper working condition. If the monitor mixing is handled from the FOH position, the mixing console must have at least 8 aux busses, 6 of

which have to be switchable to pre-fade and the remaining two should be post-fade, if monitor mixing is handle on-stage by the band, two post-fade auxes are enough.

IMPORTANT: The FOH mixing engineer is provided by the Artist.

## 7. Input Channel list

Ch.#	Instrument	Signal type	Stereo Group
01.	Bass Drum	balanced line (XLR)	1
02.	Snare Drum	balanced line (XLR)	1
03.	Toms-L	balanced line (XLR)	2
04.	Toms-R	balanced line (XLR)	2
05.	Overhead-L	balanced line (XLR)	3
06.	Overhead-R	balanced line (XLR)	3
07.	Computer-L	balanced line (XLR)	
08.	Computer-R	balanced line (XLR)	
09.	Vocoder/Wavedrum-L	balanced line (XLR)	
10.	Vocoder/Wavedrum-R	balanced line (XLR)	
11.	reserved		
12.	Bass Synth	unbalanced line (jack)	
13.	Bass-L	balanced line (jack)	
14.	Bass-R	balanced line (jack)	
15.	Guitar-L	unbalanced line (jack)	
16.	Guitar-R	unbalanced line (jack)	
17.	Trumpet-L	balanced line (XLR)	
18.	Trumpet-R	balanced line (XLR)	
19.	Vocals-L	balanced line (jack)	
20.	Vocals-R	balanced line (jack)	
21.	Sax	balanced mic	
22.	reserved		
23.	reserved		
24.	reserved		

## 8. FOH outboard FX

*Provided by the promoter.*

The FOH fx rack must contain

- at least two decent stereo and four mono compressors (Drawmer, Klark Teknik, SPL etc.)
- a quality master reverb
- a quality tap delay (can be hosted in a multi effects unit)

## 9. Microphones

*Provided by the promoter (unless stated otherwise).*

### 9.1. Trumpet / Sax / Vocals:

- 2 x EV RE20 RE-Series or equivalent for trumpet/sax (No AKG, no Shure, no Audio-Technica please!)
- 1 x Sennheiser MD431II Profipower, E 945 or equivalent for vocals. (No AKG, no Shure, no Audio-Technica please!)

### 9.2. Drums:

*Drum microphones are normally provided by the Artist. If for any reason it is not possible, the following drum mics are required:*

- 1 x Sennheiser E 902 or equivalent for bass drum
- 6 x Sennheiser E 904 toms/snare (no substitutes please)
- 2 x decent condenser cardioid mics for overhead, EarthWorks SR25 preferred

### 9.3. Microphone Stands and Clamps

*Provided by the promoter.*

- 2 x high boom stands /w clamps for overheads
- 3 x boom stands /w clamps at trumpet / sax / vocals

## 10. Stage Monitoring

*Normally the band members use their own In Ear monitoring system, including splitters, preamps and personal mixers.*

*If for any reason the Artist has to request monitoring from the promoter, it should meet the specs below:*

- 2 x separate monitor cue mixes (1, 2) at drums/bass to "In Ear" mixers - ¼" jack inputs!
- 4 x high quality floor monitors at guitars / trumpet / sax / vocals for monitor cue mixes 3,4,5,6

Or

- a personal in-ear monitoring system (Behringer Powerplay, Aviom or MyMix, Behringer preferred)
- 6 x personal mixers
- 1 x 16 Input module A/D
- 1 x 16 Input splitter

## 11. Stage Backline

*Provided by the promoter (unless stated otherwise).*

### 11.1. For All (except sax):

- 5 x 5 230V/50Hz power outlet at drums / bass / guitar / trumpet / vocals

### 11.2. Trumpet

- 1 x Mackie 802-VLZ3 mixer or equivalent
- 1 x Volume pedal (Boss FV-50L or similar)
- 1 x Wah-pedal (Dunlop Cry Baby preferred)

### 11.3. Vocals

- 1 x TC Electronic VoiceLive 1 FX pedal

### 11.4. Drums

*The drumkit is normally provided by the Artist. If for any reason the Artist has to request drums, hardware and accessories, they should meet the following specifications:*

- 1 x Behringer X32 Mixer (or Behringer DDX3216 /w ADAT Card, no other makes)
- 1 x RME Fireface 800
- 3 x FMR Audio RNC 1773
- 1 x SPL Transient Designer 4
- 1 x 12 U high 19" rack flightcase
- 1 x Behringer HA4700 or equivalent headphone preamp /w  $\geq 4$  outputs

#### 11.4.1. Shells

Use only top line Yamaha or DW Drums (e.g. Yamaha Recording Custom, DW Lacquer Custom)

- 1 x 22" bass drum (fitted with Evans EQ1-4 series batter/Evans EQ1, 3 resonant head /w a max. 10" diameter off centre hole)
- 1 x 14" snare drum (equipped with Remo Emperor X for batter head)
- 1 x 8" rack tom (/w Remo coated Ambassador batter/Remo clear Ambassador resonant head)
- 1 x 10" rack tom (/w Remo coated Ambassador batter/Remo clear Ambassador resonant head)
- 1 x 12" rack tom (/w Remo coated Ambassador batter/Remo clear Ambassador resonant head)

- 1 x 14" rack tom (/w Remo coated Ambassador batter/Remo clear Ambassador resonant head)
- 1 x 15" or 16" rack tom (/w Remo coated Ambassador batter/Remo clear Ambassador resonant head)

#### 11.4.2. Cymbals

Preferred: Turkish (branded Pasha on certain markets) Rockbeat or Fusion series

Alternatives: Meinl Byzance, Zildjian K series

- 14" Hi Hat
- 17" Crash (Thin or Medium)
- 19" Crash (Medium or Hard or Crash/Ride)
- 22" Ride (Dry) with normal or big bell
- 22" China (Any)
- 16" China (Thin)

#### 11.4.3. Hardware

- 1 x snare stand
- 1 x **cable** hi-hat stand with drop clutch (Pearl Eliminator series preferred)
- 1 x double bass drum pedal (Pearl Eliminator or Tama Iron Cobra preferred)
- 8 x cymbal boom arms with memory locks (Pearl CH-830 preferred)
- 1 x solidly built, round drum throne (adjustable height, no saddle-type seat)
- 4 x regular tom holders – e.g. Yamaha CL940B or CL945B (must be compatible with the drums supplied)
- 1 x long tom holder - Yamaha CL940LB or CL945LB (must be compatible with the drums supplied)

#### 11.4.4. Drum rack

- 1 x Gibraltar GRS-850DBL Road Series Drum Rack on Gibraltar SC-RC Casters
- 17 x Gibraltar GRSMC Multi Rack Clamp
- 17 x Gibraltar SC-GRSHML Memory Clamp
- 3 x Pearl AX-25 multi-clamp
- 2 x Pearl AX-25L multi-clamp (absolutely necessary for mounting the hi-hat!)
- 1 x Pearl TH-88 tom holder or equivalent (like Pearl TH 2000) (absolutely necessary for mounting the hi-hat!)

#### 11.4.5. Other

- 1 x drum carpet, min. size: 2m x 1.5m



IMPORTANT: Please note, that if the drums are to be supplied by the promoter, an extra two hours will be required for assembling and adjusting the drum hardware.

## **12. Visuals**

### **12.1. Lighting**

*Provided by the promoter.*

The venue should have a properly installed light system with scene memory capabilities. The operator of the light equipment is also provided by the promoter and she/he is expected to consult the Artist's representative for specific guidelines related to the performance.

### **12.2. Projection**

*Provided by the promoter.*

If the size and other technical parameters of the venue make it possible, the Artist will use a special projection technique on a semi-transparent screen *provided by the Artist*. The lights operator must consult the Artist on how to work efficiently with this projection technique.

## **13. Contact**

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## 14. Appendix: Cheat Sheet

Timing		
Activity	Starts at	Ends at
Load In		
Set Up		
Sound Check		
Performance		
Tear Down		
Load Out		

Stage			
Dimensions	W	D	H
Stage			
Drum riser			

PA System								
Speakers/Line arrays			Subwoofers			Amplifiers		
Brand	Model	Qty	Brand	Model	Qty	Brand	Model	Qty

FOH Mixing Desk					
Brand			Model		
FOH Outboard FX					
Compressors/Gates			Reverb/Multi FX		
Brand	Model	Qty	Brand	Model	Qty
Delay/Multi FX			Other Signal Processors		
Brand	Model	Qty	Brand	Model	Qty

Microphones			
Instr.	Brand	Model	Qty
Trumpet			
Sax			
Vocals			
Drum mics			
Is this required? (Y/N) Skip the rest of this table if NOT.			
Bass Drum			
Snare Drum			
Toms 1-5	Sennheiser	e-904	6
Overheads			

Stage monitoring	
Is this required? (Y/N) Skip this table if NOT.	
From FOH Mixer? (Y/N)	
Monitor Mixer	
Brand	Model
In Ear Monitor Mixer	
Brand	Model
A/D Input Modules	Qty
Personal Mixers	Qty

Stage Backline			
For All			
			Qty
Power Outlets			
Trumpet			
	Brand	Model	Note
Mixer			Mackie 802-VLZ3 or equivalent
Volume Pedal			Boss FV-50L or equivalent
Wah-Pedal			Dunlop Cry Baby preferred

Vocals			
Is this required? (Y/N) Skip this table if NOT.			
	Brand	Model	Note
FX Pedal	TC Electronic	VoiceLive 1	No substitute

Drums						
Is this required? (Y/N) Skip this table if NOT.						
Shell Set		Brand		Model		
Drum	Size	Batter Head		Resonant Head		
Bass Drum	22"	Remo Coated Ambassador				
Tom 1	8"	Remo Coated Ambassador				
Tom 2	10"	Remo Coated Ambassador				
Tom 3	12"	Remo Coated Ambassador				
Tom 4	14"	Remo Coated Ambassador				
Tom 5	15" or 16"	Remo Coated Ambassador				
Snare Drum	Brand	Model	Size	Batter Head	Resonant Head	
			14"	Remo Emperor X		

Cymbals	Size	Brand	Model
Is this required? (Y/N) Skip this table if NOT.			
Hi-Hat	14"		
Crash 1 (Thin to Medium)	17"		
Crash 2 (Hard or Crash Ride)	19"		
Ride	22"		
China 1	22"		
China 2 (Thin)	16"		

Hardware	Brand	Model	Qty
Is this required? (Y/N) Skip this table if NOT.			
Cable Hi-Hat			1
Snare Stand			1
Double Bass Drum Pedal			1
Cymbal Boom Arms			8
Drum Throne			1
Tom Holders (short)			4
Tom Holders (long)			1

Drum Rack	Brand	Model	Qty	Note
Is this required? (Y/N) Skip this table if NOT.				
Base rack+casters	Gibraltar	GRS-850DBL on SC-RC Casters	1	
Multi Rack Clamp	Gibraltar	GRSMC Multi Rack Clamp	17	
Memory Clamp	Gibraltar	SC-GRSHML	17	
Multi Clamp	Pearl	AX-25	3	
Multi Clamp (long)	Pearl	AX-25L	2	required for mounting the hi-hat!
Tom Arm	Pearl	TH-88	1	or Pearl TH 2000, for mounting the hi-hat!

Other	Dimensions	
<b>Is this required? (Y/N) Skip this table if NOT.</b>		
Drum Rug	W: > 2m	D: > 1.5m
Flightcase	12 U high 19" rack	

Electronics				
<b>Is this required? (Y/N) Skip this table if NOT.</b>				
	Brand	Model	Qty	Note
Mixer	Behringer	X32	1	or Behringer DDX3216 /w ADAT Card, no other makes
Audio I/O	RME	Fireface 800	1	No other makes
Compressor	FMR Audio	RNC 1773	3	No other makes
Dynamic Processor	SPL	Transient Designer 4	1	No other makes
Headphone Amps	Behringer	HA4700	1	or equivalent headphone preamp /w >= 4 outputs