☐ Needs to be provided by presenter/venue/promoter.

☐ We provide and bring ouryself

REQUIRED EQUIPMENT

8 full-range loudspeaker systems with 8 (or minimum 2) subwoofers
placed in a square quad-position (see page 5 „AUDIO CONNECTIONS").
all 4 speakers same distance to centre performing position.
the speaker distance to the centre should be as far as possible to ensure, that the audience, which is in circles around centre performaing position, has still a good distance to the speakers to be able to perceive as much as possible quadrophonic sound projection.

16 short XLR-cables plus **stagebox/multicore**
connecting to the quad PA mixing console
– – – or – – –
16 long XLR-cables
connecting directly from audio-interfaces on stage to the quad PA mixing console

2 power socket with min. 3 plugs each

2 piano benches (with adjustable height)

1 small mixing desk
preferred: Mackie 802VLZ or Mackie 1202VLZ, http://tinyurl.com/htg2mun
Needs to be placed on stage next to performing position (see page 4 „STAGE POSITIONS")
Or other modell with minimum requirement: 1 stereo input with channel EQ (Hi/Low or Hi/Mid/Low)

tables/boxes/case for setting up the analogue synthesizer
according to SETUP OPTION 1, 2 or 3 **indicated on
page 2** „SYNTH SETUP OPTIONS"

1 small table (or box, case, stool)
60-80 cm high, 30 cm long, 30 cm wide
To place the small mixer/Mackie 802 on.

dimmed white light from ceiling (or stand/clip lamp or similar for synth)
needs to point onto synth panel with creating shadows.

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EQUIPMENT PROVIDED BY ARTISTS

2 laptop computers (MacBook Pro)

2 audio interfaces
> RME Fireface 400, https://tinyurl.com/y7rejxss
> MOTU UltraLite-mk3 Hybrid, http://tinyurl.com/zj6bf6w

8 TRS - XLR male adaptor wires (15 cm)
> connecting the MOTU audio interface to Quad PA mixer/multicore stage box

8 TRS - XLR male adaptor wires (ca. 60 cm)
> connecting the RME audio interface to Quad PA mixer/multicore stage box

1 analogue synthesizer
> modell: EMS Synthi AKS (inlcuding EMS KS touch-keyboard) https://tinyurl.com/y77cmmky
> with synth tripod stand

1 MIDI controller
> modell: Faderfox LV3, https://tinyurl.com/ydgcwl6n

1 stereo volume pedal
> modell: Boss FV-50L, https://tinyurl.com/y862os9e

4 TS wires (unbalanced quarter inch jack cables)
> connecting: synth > volume pedal > mixer

2 TRS - TRS wires (balanced quarter inch jack cables)
> connecting: mixer > audio interface

2 USB cables
> connecting: computer > audio interface, and computer > MIDI controller

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- Needs to be provided by presenter/venue/promoter.
- We provide and bring ouryself

SIGNAL ROUTING

Speaker 6

connections to Quad PA

connections to Quad PA

as TRS-XLR adapter cables are short,
connections to Quad PA :

- either **16 long XLR** from stage to Quad PA mixing console,

- or **16 short XLR** to stagebox/multicore

1 - 8

XLR.male

1 - 8

XLR.male

Speaker 1 w/ sub

Speaker 2 w/ sub

ca. 60 cm long

16 stereo-quarter-inch-jack
(**TRS**) on **XLR**-male
adapter cables
(provided by us)

TRS

ca. 15 cm long !

TRS

Analog Outputs 1 - 8

MainOut L/R   Out 1-6

Audio-Interface
Schmickler
(RME Fireface or similar)

Audio-Interface
Lehn
(MOTU
UltraLite-mk3 Hybrid)

USB

MOTU UltraLite-mk3
photo: http://tinyurl.com/zj6bf6w

Input 1/2

TRS   TRS

audience

Firewire

grey:
stage area
(centre)

Schmickler

Lehn

TRS   TRS

Quad
MIDI
Contr

USB

audience

Speaker 5

min. 2 m

TRS Out
L / R

USB

Computer
Lehn
(MacBook Pro)

USB

Speaker 7

Computer
Schmickler
(MacBook Pro)

**small
mixer**

for example Mackie 802 VLZ3 or VLZ4 or similar mixer
photo: http://tinyurl.com/htg2mun

audience

TS   TS

Speaker 4 w/ sub

TS   TS

Speaker 3 w/ sub

EMS Synthi AKS
Analogue
Synthesizer

Speaker 8

STAGE POSITIONS

Needs to be provided by presenter/venue/promoter.

We provide and bring ouryself

Quad Speaker 1 w/ sub

Quad Speaker 2 w/ sub

Quad Speaker 4 w/ sub

Quad Speaker 3 w/ sub

audience

audience

audience

piano bench

Schmickler

grey:
stage area
*audience can be
surrounded the
stage area as close
as possible*

MacBook **Computer**
and Audio-Interface
on stand
(no table required)

min. 2 m

table
100 - 120 cm long
62 (min) - 80 cm wide
73 - 80 cm high

TABLE

MIDI Con-troller

EMS **Synthesizer**

MacBook **Computer**

SMALL MIXER *)* (see p.1)

Lehn

piano bench

■ Needs to be provided by presenter/venue/promoter.

■ We provide and bring ouryself

SYNTH SETPUP (Lehn)

Table Setup
(synth setp with tripod stand on table)

Table Measures

100 – 120 cm

65 - max 80 cm

73-80 cm

black cloth

53 cm

61 cm

EMS Synthi A

EMS KS keyboard

1 small mixer	**1 table**	W: 100 -120 cm	D: min. 65 - max. 80 cm
1 small table		H: table surface: 73 - 80 cm (height under the table min. 68 cm)	
1 piano bench			

min 100 - max 120 cm

TABLE
73 - 80 cm high

min 62 - max 80 cm

MIDI Controller

EMS **Synthesizer**

MacBook **Computer**

STOOL / BOX / CASE ...
50 - 70 cm high
W x D : 40 x 30 cm

small mixer

Lehn

piano bench

black cloth
to cover table and boxes