

Hessisches Staatstheater Wiesbaden Technical Rider Main Theatre Stage

Last updated 05.05.2023

Contact

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Brief description/ Stage area

Platforms I-V are 17m wide and 3m deep all around the platform.

Platforms I-III are so-called double-decker platforms; max. lift 4.50m. The clear height inside (visible) is 3.60m, the clear width approx. 12.20m. The floating floor forms the stage floor here. Platforms I-III can only be lowered to -0.40m.

Platforms IV-V are not double-decker platforms, here only the deck moves, the platform floor stays fixed; max. lift 3.0 m. Platforms IV-V can be lowered 1.98 m.

→ The speeds for raising/lowering the platforms are computer-controlled; the noise of this movement can be clearly heard during 'open' movement within a scene.

All platforms are equipped with tilt adjusters; the platforms can be tilted to a total tilt of approx. 10% - however, the tilt adjusters are not integrated into the computer control system.

All platforms can be accessed from the side in the understage area.

It is not possible to visually conceal the platforms when they move up/down, the gap through which they move is too small - i.e. technically visible equipment must be accepted.

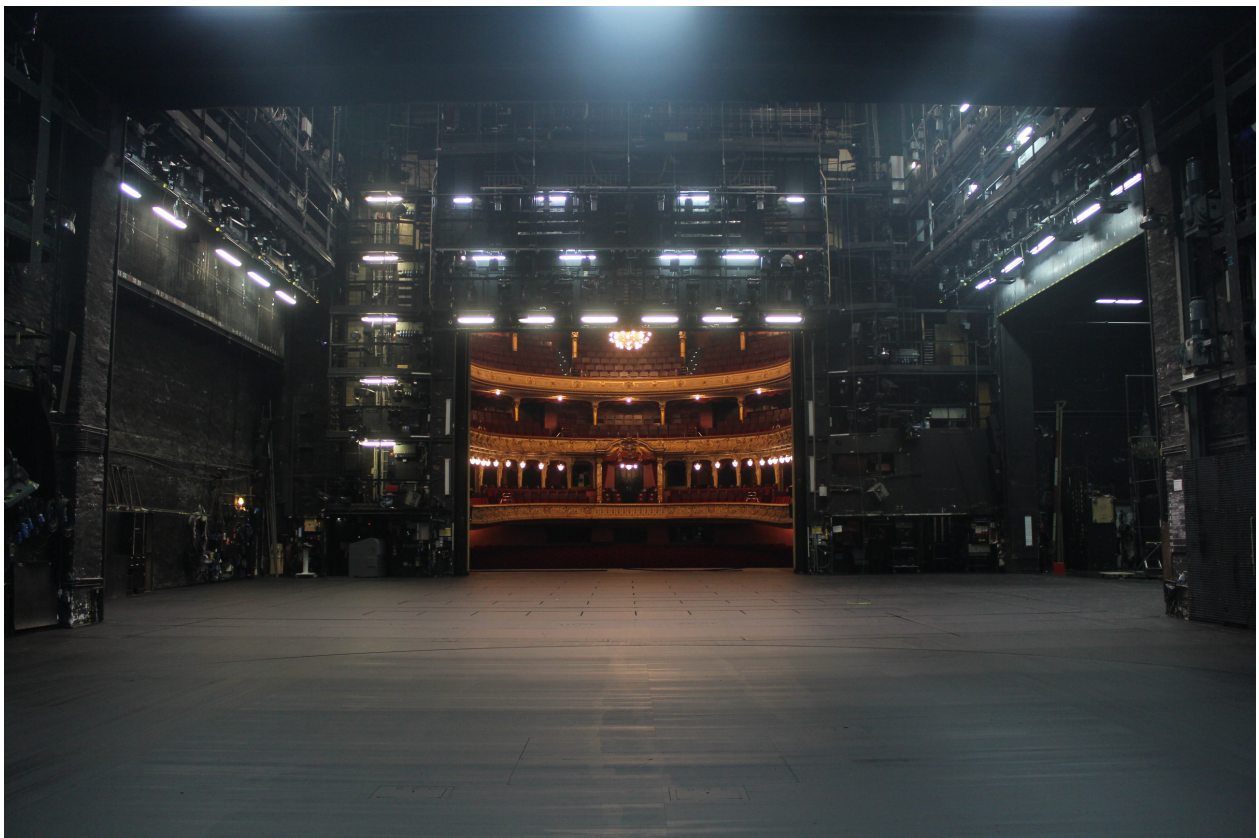
There is a drop trap system that can be moved under each platform; by opening the top sliders ('flaps', see floor plan), the drop trap can be moved between -2.90m and +/-0.0m.

The turntable of the revolving stage is integrated into the backstage carriage. It has a total area of 17.0m x 15.0m and an overall height of 0.40m, and can be lowered to +/-0.0m using all the platforms; not lower.

Using the tilted platforms and lowering the turntable at the same time is not possible.



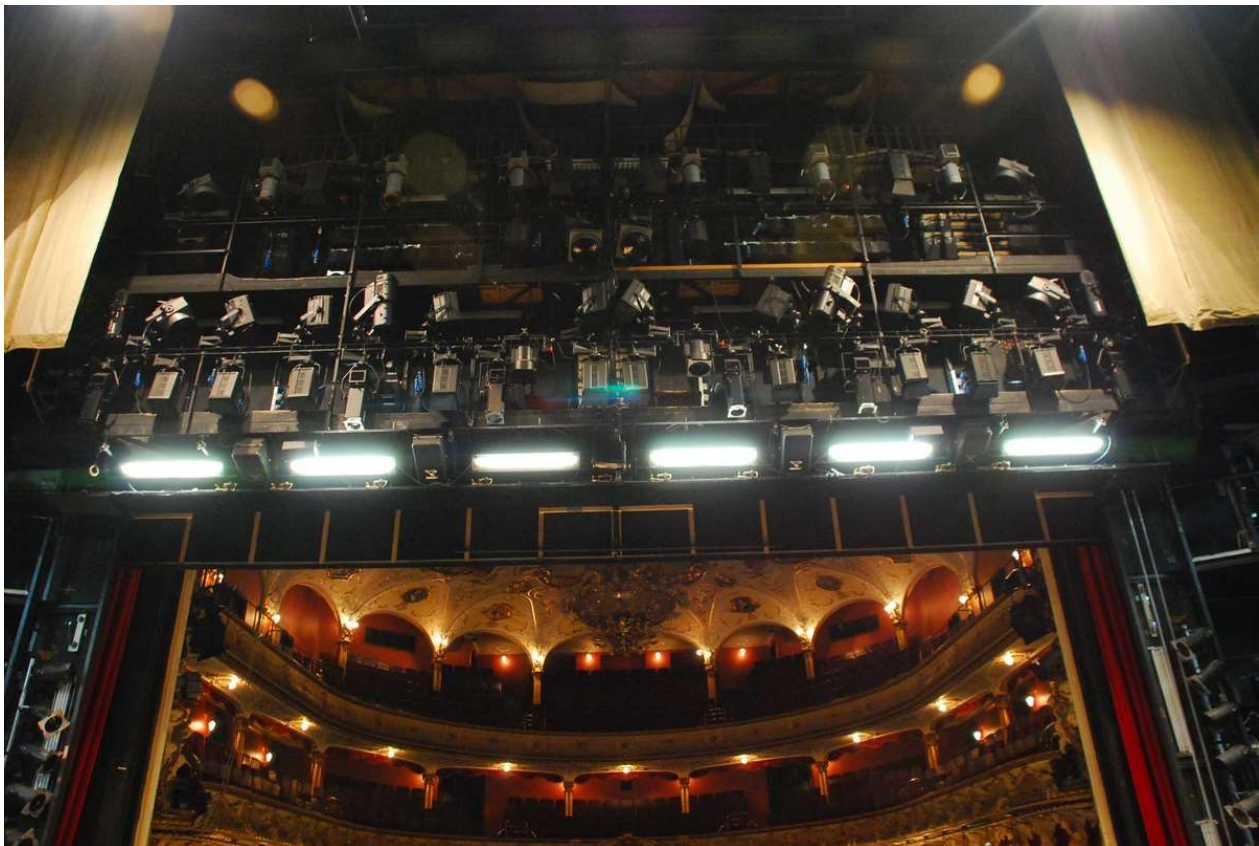
View of the proscenium arch from the auditorium



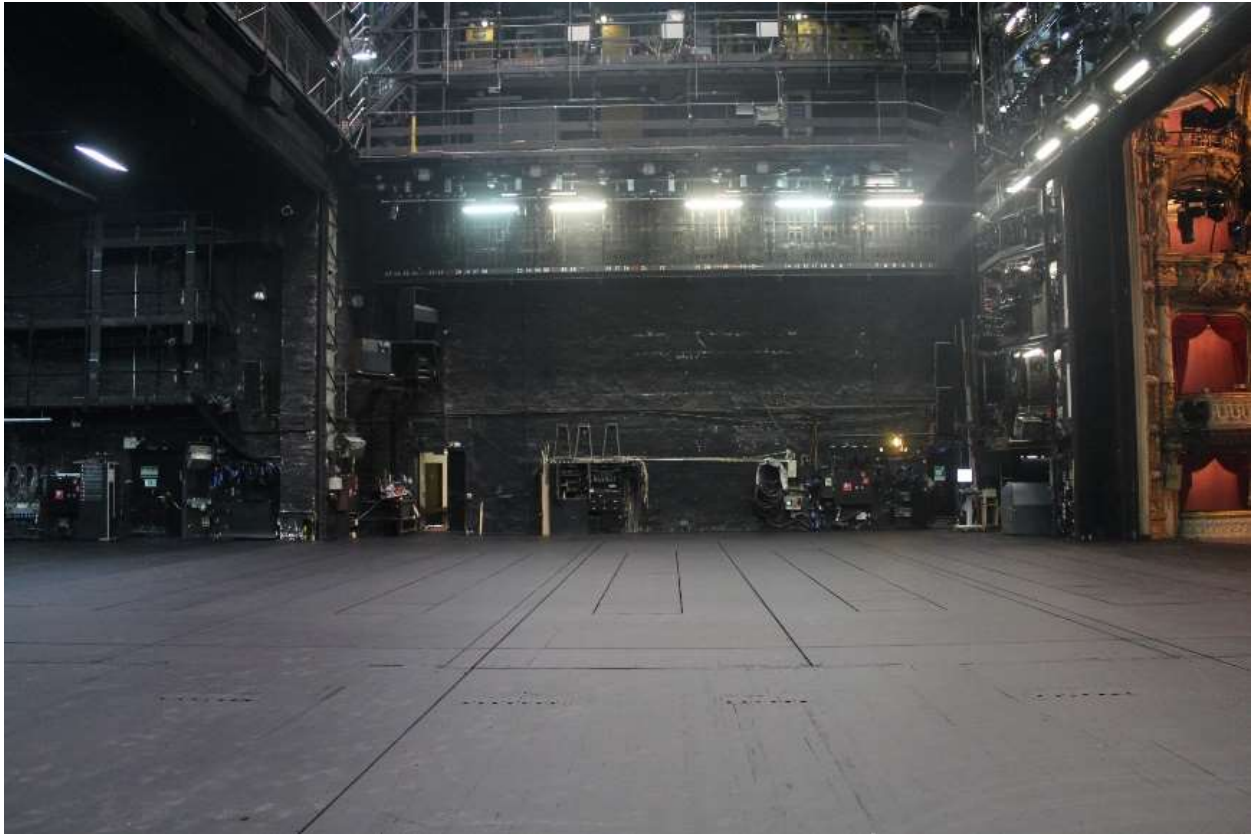
View into the auditorium from backstage



Iron curtain



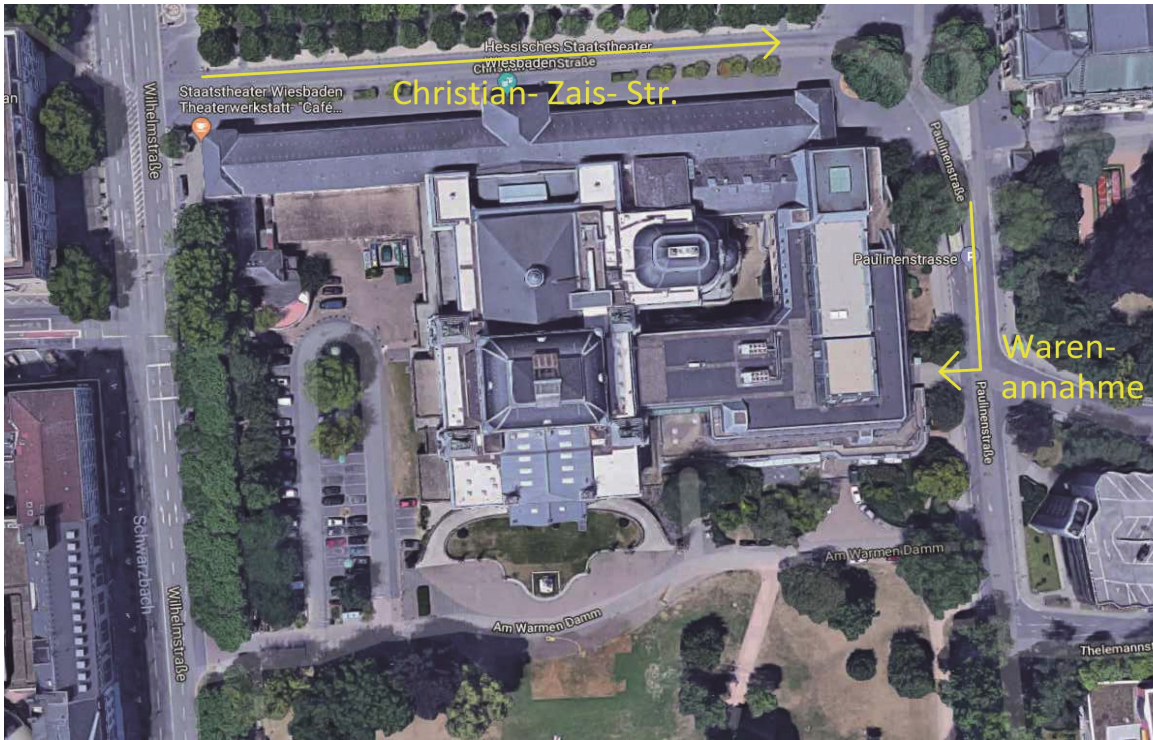
Proscenium bridge



View of the right side of the stage



View of the left side of the stage



Delivery scenery etc. (goods receiving area, loading bay)



Loading bay

1.1 Stage

1.1.1 Orchestra pit

Parapet	Height	0.93 m
Area	Depth to the forestage	4.58 m
	Width between the ends of the parapet	16.08 m
	Width between the proscenium boxes	12.23 m
	Width between the ends of the forestage	13.23 m
2 platforms	Lift; individually adjustable speed	0 to – 2.50 m
	Speed	0.20 m/s
Hoists	2 point hoists, can only be operated together; max. load	500 kg each
	Please enquire about whether they can be used	

1.1.2 Proscenium

Forestage	Height	1.17 m
Area	Depth from forestage to zero line	3.27 m
	Depth from parapet to zero line	7.87 m
	Width between the ends of the forestage	13.01 m
	Width under safety curtain	11.50 m
Prompter's box	Width x depth	0.76 x 0.76 m ²

(Zero line: rear edge of technical portal)

1.1.3 Portal

Dimensions	Depth from front edge of safety curtain to zero line	1,28 m
	Width under safety curtain	11.50 m
	Width of technical portal	11.98 m
	Height, adjustable	+ 3.30 bis + 8.40 m

Safety curtain/iron curtain with door; decorated with motifs on audience side

Width	13.00 m
Height	9.27 m
Thickness	0.20 m
Door; 2.50 m to left of centre; opens to stage right	

Main curtain	Red velvet; can open horizontally or vertically	
Zero track	Number of flybars	3
	Length	13.00 m
	Diameter	76 mm
	Load capacity	650 kg each
	Height	0.20 – 22.29 m
	Speed, continuously adjustable	0 – 1.80 m/s

1.1.4 Stage

Area	Width; inner panorama		17.81 m
	Depth; technical portal to panorama (MH 47)		17.00 m
Height	End position flyrods		2.65 m
	End position overhead lights (without spotlights)		21.20 m
	Height under 1st gallery		9.80 m
Backstage	Through access; width x height		18.00 x 9.00 m
Sides of stage	Through access; width x height		12.54 x 8.49 m
Platforms	Double-decker platforms I - III	max. 12 t	-0.40 to +4.50 m
	Platforms IV- V	max. 12 t	-1.90 bis +3.00 m
	Tilt	continuously adjustable	max. 10 %
	Lift speed	continuously adjustable	0 to 0.12 m/s
Drop trap	Can be moved under all platforms	max. 2 t	10 m x 1 m
	Lift speed	4 settings	max. 0.12 m/s
Backstage carriage	Overall height	can be lowered	0.40 m
	Turntable	diameter	14.00 m
	Rotating speed	0° to 360°	ca. 60 s
Side stage carriages (out of order)	Area	2 units	17 m x 6 m
	Overall height	can be lowered	0.20 m

1.1.5 Overstage machinery

	Number	Ø	Length	Load capacity	Lift (m)	Lift speed
Mechanical hoists (MH)	40 units	76 mm	17 m	650 kg each	0.20 - 22.65	0 – 1.80 m/s
Manual hoists (MANH)	7 units	76 mm	17 m	300 kg each	0.20 - 22.65	0 – 1.80 m/s
Panorama hoists (2 left, 2 right)	4 units	76 mm	15 m	650 kg each	0.20 - 22.65	0 – 1.80 m/s
Point hoists	46 units	/	/	350 kg each	0.20 - 22.65	0 – 1.80 m/s
Overhead lighting hoists	5 units	60 mm	12 m	600 kg each	0.20 - 21.20	0 – 0.50 m/s
Gallery hoists (5 left, 5 right)	10 units	48 mm	2.5m	120 kg each	/	/

1.2 Transport to and from the theatre

Loading bay	Height	1.08 m
Loading bay gate	Narrowest and lowest point; width x height	2.05 x 2.80 m
Loading path	Distance from storage to stage	approx. 75 m

1.3 Lighting

1.3.1 Lighting booth and back-up console

The lighting control system consists of a Transtechnik Prisma NT + Booster (NTX) as the main console and a Transtechnik Prisma NT + Booster (NTX) as a backup console.

1.3.2 Fixed positions

Auditorium:

2x Robert Juliat D'artagnant 2.5kW HMI + Rainbow 8"

2x 2.5 kW Arri Fresnel lens HMI + H&G DarkVader 300 + H&G MagMax 300

15x JB-lighting P18 HC

6x JB-lighting P12 HC

2x 5kW Arri Fresnel halogen

2x 2kW ENI follow spots halogen + Rainbow 8"

1x PANI 6kW stage projector + zoom optics spot + Rainbow 12" 6x Chauvet Ovation E-910C

2x ENI 1kW profile spots (conductor) 6x 2kW ENI zoom + Rainbow 8"

2x 2.5 kW Altmann follow spot HMI + H&G SH80 + Rainbow 8" 2x 1.2kW Altmann zoom halogen

Portal bridge:

6x Mac Viper Performance

6x 2kW Strand Alto F

4x 1,2kW Altmann Zoom 2x 500W low-voltage follow spots 4x 2kW Strand Alto PC 6x 2kW ENI profile spots 26°

Overstage lighting bridges (5):

Each equipped with:

6x MacEncore LED wash (PC) warm 5x MacEncore LED Wash (PC) cold 6x 4flg fluorescent lights (RGB+Coolwhite)

Portal towers left and right:

Each equipped with:

2x MacEncore LED wash (PC) cold 1x JB-lighting P18 HC

1x 2,5 kW Arri Fresnel lens HMI + H&G DarkVader 300 + H&G MagMax 300 2x 2kW ADB PC

Gallery left and right:

Each equipped with:

6x 2kW Altmann zoom 6x 2kW ENI zoom

Track/Aisle towers (10):

Each equipped with:

4x 1,2kW Altmann zoom 2x 1kW PAR 64

Track/Aisle towers (12):

Each equipped with:

2x Robe Perfect 100 RGBW 4x 1kW PAR 64

1.3.3 Mobile equipment

Number of devices

8	2.5 kW Arri Fresnel lens HMI + H&G DarkVader 300 + H&G MagMax 300
12	MacViper performance 16bit
12	MacViper wash 16bit
10	Aisle towers/track stands
12	Partowers
4	ETC Fos4 Fluter
14	Startube RGBW
10	LDDE Slim FR1440
6	LDDE Nanopix 1200
16	Swoboda

1.3.4. Colour scrollers

H&G Madmax 300:

Hagenbach & Grill MagMax 300

Pos	LEE	Rosco	%	Set
1	117	66	0%	0
2	116	95	4%	10
3	161	367	8%	20
4	183	69	12%	30
5	HT181 /		16%	40
6	HT119 /		20%	51
7	HT197 /		24%	61
8	200	3220	30%	76
9	201	3202	36%	91
10	202	3204	40%	102
11	203	3208	44%	112
12	130	0	48%	122
13	152	304	52%	132
14	206	3409	56%	142
15	205	3408	60%	153
16	204	3407	64%	163
17	105	21	68%	173
18	106	26	72%	185
19	113	342	76%	193
20	101	312	82%	209
21	138	388	86%	219
22	242	93	90%	229
23	HT124 /		100%	255

Hagenbach & Grill MagVader 350:

HB Arri

X

Pos	LEE	Rosco	%	Set
1	130	0	0%	0

2	144	L144	10%	25
3	201	3202	25%	63
4	200	3220	40%	102
5	197	HT197	50%	127
6	HT119	/	65%	165
7	71	605	80%	204
8	242	93	100%	255

Rainbow 8" + 12":

	VB			
Pos	LEE	Rosco	%	Set
1	HT124	/	0%	0
2	242	93	4%	10
3	138	388	8%	20
4	117	66	12%	30
5	140	72	16%	40
6	161	367	20%	51
7	132	68	25%	63
8	HT181	/	28%	71
9	HT119	/	34%	86
10	200	3220	36%	92
11	201	3202	41%	104
12	202	3204	44%	113
13	203	3208	50%	127
14	130	0	54%	135
15	152	304	58%	147
16	206	3409	61%	157
17	205	3408	65%	166
18	204	3407	70%	178
19	105	21	74%	188
20	147	317	78%	199
21	101	312	83%	212
22	164	25	87%	223
23	106	26	91%	232
24	113	342	94%	241
25	136	52	100%	255

1.3.5 Distributors and electrical connections in the stage area

Left side

- 1x 125A CEE direct
- 6x 32A CEE direct
- 16x 32A dimmable
- 40x 10A dimmable
- 2x 16A switchable

Right side

- 1x 125A CEE
- 6x 32A CEE
- 16x 32A dimmable

	40x 10A dimmable 2x 16A switchable
Portal tower left	16x 32A dimmable 2x 32A CEE direct 8x 16A switchable
Portal tower right	16x 32A dimmable 2x 32A CEE direct 8x 16A switchable
Turntable	6x 32A dimmable or direct
Backstage	2x 125A CEE direct 12x 32A dimmable 12x 10A dimmable 2x 32A CEE switchable 2x 16A 1pol switchable
Wings left	1x 32A 1pol direct 6x 16A dimmable 1x 32A dimmable
Wings right	1x 32A 1pol direct 6x 16A dimmable 1x 32A dimmable
Dome	6x 32A dimmable 1x 32A CEE direct 1x 16A switchable
Upper circle	30x 32A dimmable 2x 32A CEE direct 4x 16A switchable
Middle circle	8x 32A dimmable 2x 32A CEE direct 4x 16A switchable
Dress circle	10x 32A dimmable 2x 32A CEE switchable 4x 16A switchable
Stalls	6x 32A dimmable 2x 32A CEE direct 1x 16A switchable

1.4 Sound

1.4.1 Auditorium mixing desk

Mixer Stagetec Aurus Platinum

Yamaha CL-5 Yamaha CL-1 Yamaha QL-1

Audio network Yamaha Dante

Stagetec Nexus, Starrouter

Periphery Sound systems: SCS, Q-Lab

Abletonlive

DAWs: Steinberg wavelab, Steinberg Nuendo Waves soundgrid

1.4.2 Sound control desk, behind glass

Mixer Stagetec Aurus Platinum

Periphery see above periphery "auditorium mixing desk"

1.4.3 Distributor box structure

Stage and auditorium approx. 30 mic, line, video, LSP, listening channels 230 V light signals

4x network connections

Control console Stagetec Nexus (digital audio router)

Ghielmetti (analogue audio router) Dante network

1.4.4 Sound system

Portal Meyer Sound

Galileo

Stage Kling+Freitag

Syrincs

Mobile systems 3x Yamaha Rio

Mikroport (sound system made by Sennheiser) 10x transmission distance

2x In-ear Sennheiser various speakers mixer consoles (small)

100 Volt 62 amplifier channels on the stage and in the auditorium

1.5 Video

Front projection

Panasonic DZ21K, 20000 lumen, 1920 x 1200 pixel, light + 3 DLP-chip

Back projection

Eiki LC-XT5, 15000 lumen, 1024 x 768 pixel, light + LCD TFT panel

PC

Mac Pro, 32GB, NVIDIA Quadro K5000, OS X El Capitan

Software

Projection control with QLab 4

Laptop for mobile use with QLab 3

Cameras (used in both the small and the main stages)

Panasonic HDC-SD80	Camcorder
Panasonic NV-GS140	Camcorder
Panasonic NV-GS230	Camcorder
Sony DCR-VX2000	large camcorder
Sony PMW-100	large camcorder

1.6 Props

1.6.1 Fog machines (used in both the small and main stages)

Ground fog machines

	Number
Cyro Fog	2
Antari	1

Hazers

Unique	4
MDG	1

Fog machines

Viper 2.6	6
Viper NT	2
Viper S	3
Power Tiny	4
Tiny S	2