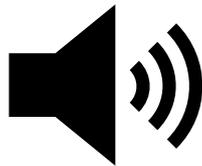


AUDIO SPECIFICATIONS ARENA KURSAAL BERN



FIXED PA INSTALLATION

Article	Manufacturer / Type	Location	Quantity	Comments
Mixing Console	Yamaha DM7	Audio control	1	
Stagebox	Yamaha Rio 3224-D3	Stage	1	Mobile, freely patchable
Stagebox	Yamaha Rio 3224-D3	Amp room	1	Fixed installation
Stagebox	Yamaha Rio 1608-D3	Video control	1	Fixed installation
Audio Matrix	Lake LMX 88	Amp room	1	L/R/FF/Sub or L/R Analog or AES/EBU from control or stage
Main PA L/R/L	d&b, CCL8	flown	6 each	With ArrayProcessing
Outfills	d&b Y7P	flown	1 each	
Delays Balcony	d&b Y7P	flown	5	
Nearfills	d&b 44S	Stage edge	7	Mobile, freely positionable
Center Subs	d&b CCL-SUB	flown	2	
Amplifier	d&b 40D	Amp room	6	
Amplifier	d&b 25D	Amp room	4	

OPTIONAL BOOKABLE SOUND SYSTEM

Supplement Sound System

Article	Manufacturer / Type	Location	Quantity	Comments
Subs floor	d&b KSL-SUB	On floor L/R of stage or center behind stage without live act	1 each	
Monitors	d&b E8	Variable	4	
Amplifier	d&b 40D	Amp room	6	
Amplifier	d&b 25D	Amp room	4	

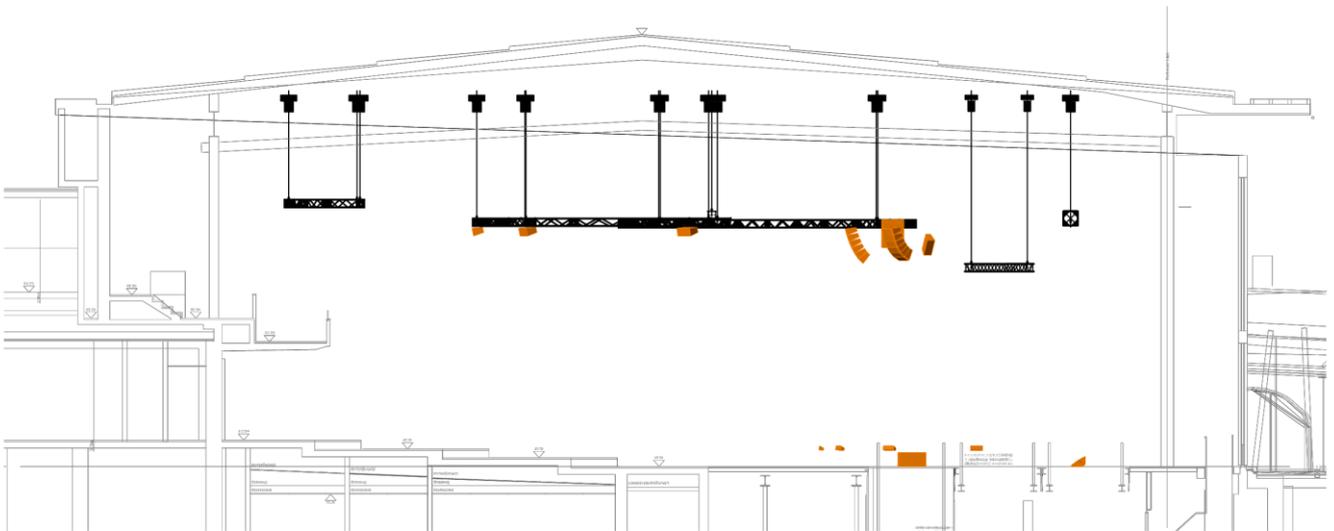
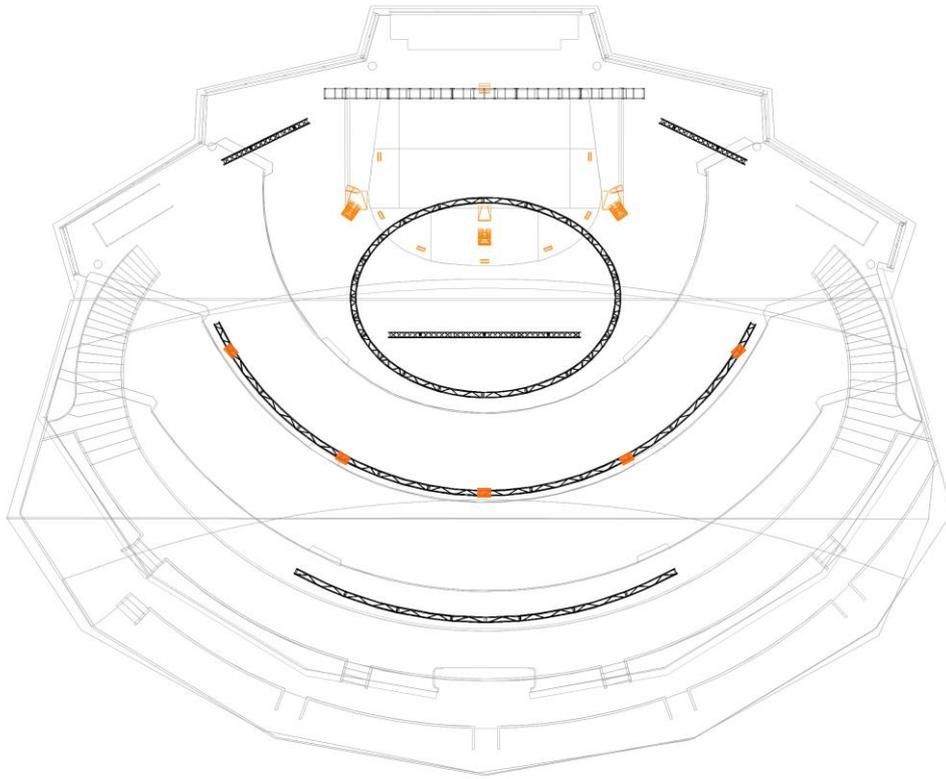
Microphones

Article	Manufacturer / Type	Location	Quantity	Comments
Wireless Receiver	Shure Axient D	Audio control	14 channels	
Bodypack with DPA Headset	Shure Axient ADX1 / DPA 4266		12 pcs	
Handheld Transmitter	Shure Axient ADX2, KSM9		6 pcs	
In-Ear IFB Earpiece	Shure PSM1000		2 channels	Can be used via intercom station or as regular in-ear monitoring
Lectern microphone	Sennheiser ME36		2 pcs	Only available as set

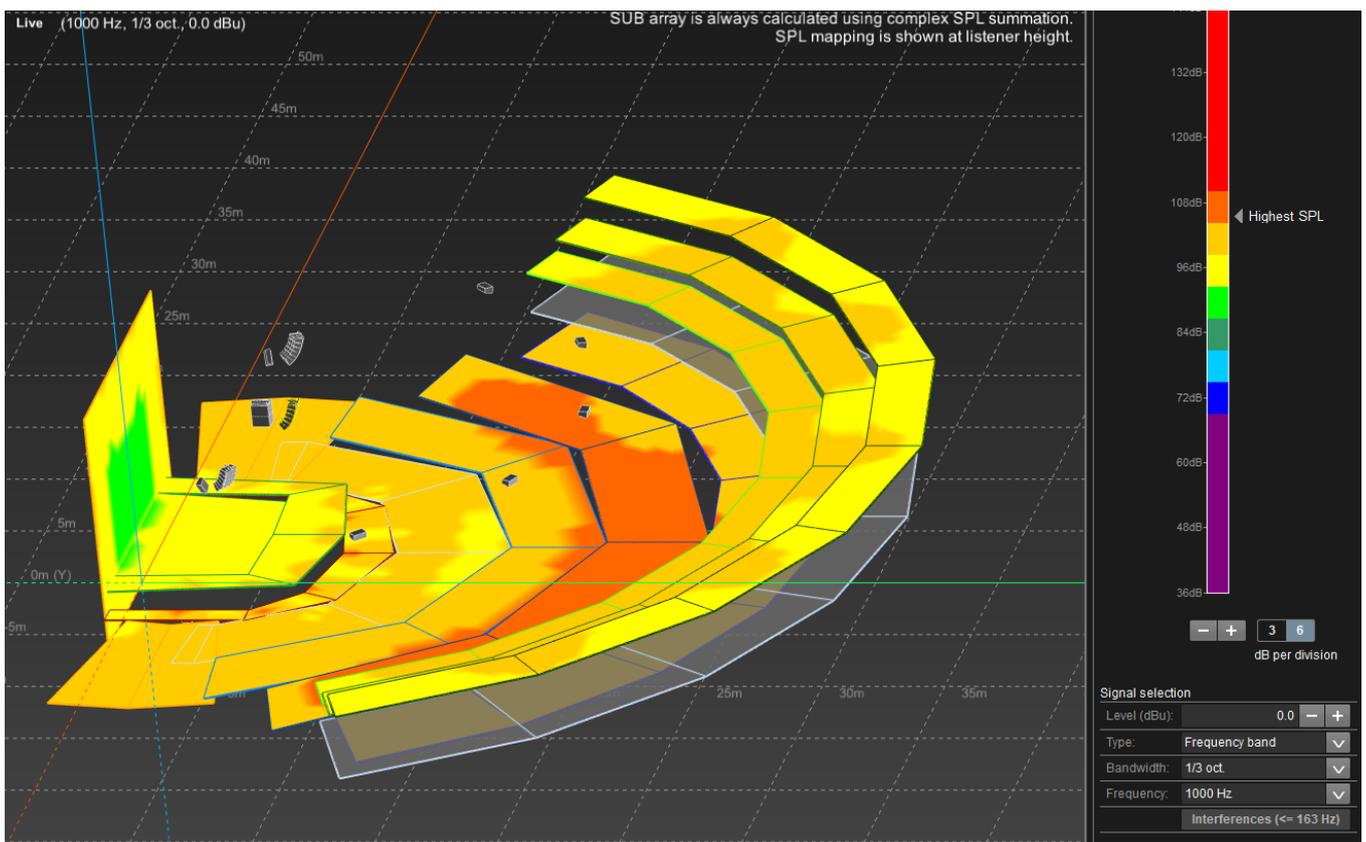
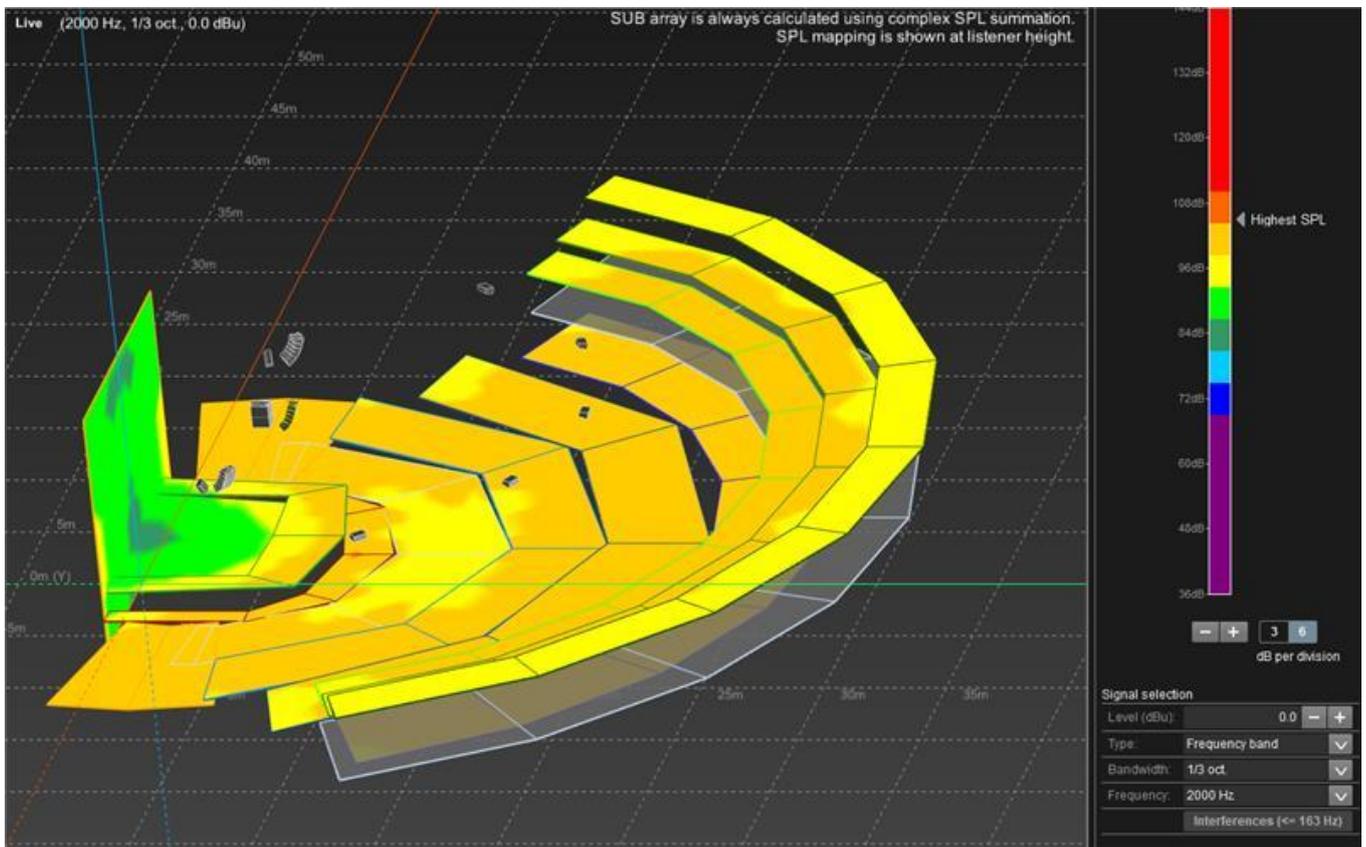
Various microphones and DI boxes are available for bands.
Various stands and patch options are also available.

Please contact your consultant for ordering and clarification of details.

VISUALISATION



ABDECKUNG



ARRAY L/R

Array settings

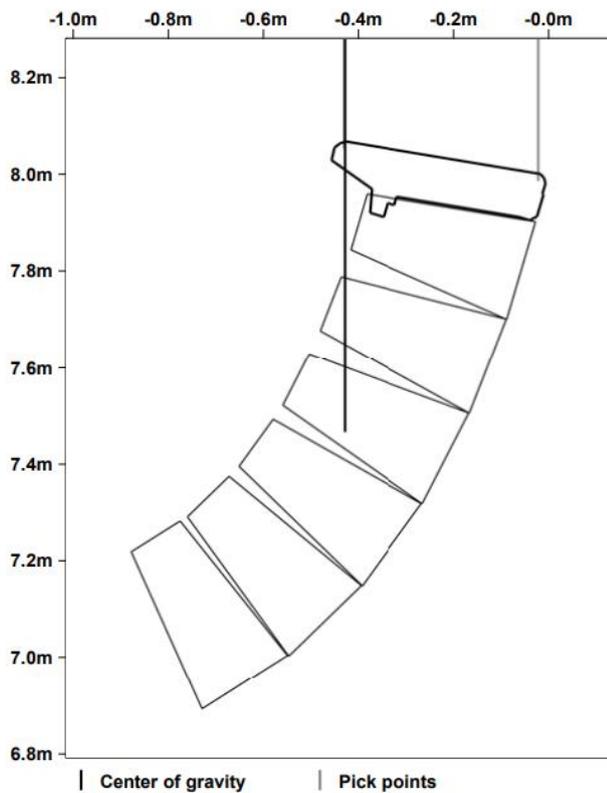
Position x:	5.90 m	Position y:	-6.50 m
Frame height front (z):	8.00 m	No. of CCL-SUB:	0
Horizontal aiming:	-34.00 °	No. of CCL8:	6
Frame angle:	-16.50 °	No. of CCL12:	0
Delay (abs.):	6.2 ms		

TOPs

CUT: Off	CPL: Lo: -2.0 Mid: -3.5
----------	-------------------------

Cab.	Speaker	Setup	Level/dB	HFC	Abs.	Splay	Link
1	CCL8	AP	0.0	--	-16.5 °	--	--
2	CCL8	AP	0.0	--	-21.4 °	5.0 °	--
3	CCL8	AP	0.0	--	-27.4 °	6.0 °	--
4	CCL8	AP	0.0	--	-36.3 °	9.0 °	--
5	CCL8	AP	0.0	--	-46.3 °	10.0 °	--
6	CCL8	AP	0.0	--	-58.2 °	12.0 °	--

Array view



Pick points and load (L)

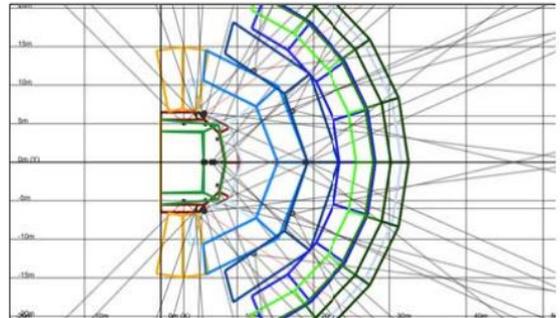
	Rear pick	Front pick	Distance	Single pick
X:	5.54 m	5.88 m	0.34 m	5.54 m
Y:	-6.26 m	-6.49 m	0.23 m	-6.26 m
Pick pt. hole:	24	1		24
Pick pt. pos.:	42.9 cm	1.8 cm		42.9 cm
Load:	110 kg	1 kg		111 kg

Load

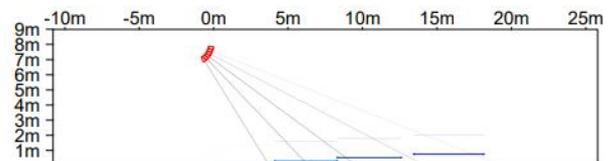
Load OK	within DGUV-17 limits	42% of load limit
Total weight:		111 kg
Height of lowest edg		6.89 m

Air absorption On

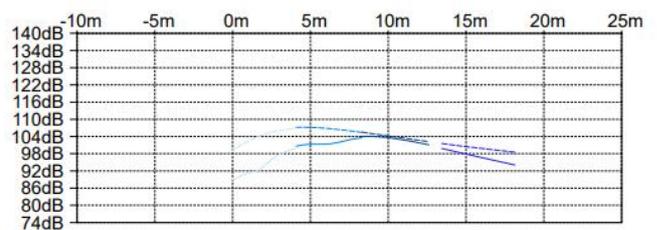
Temperature:	20 °C	Humidity:	60 %
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Main: Profile at -34 ° aiming



Main: Direct sound level vs. distance/dB SPL



Signal selection

Curve 1:	1000 Hz	Bandwidth:	1/1 oct.
Curve 2:	250 Hz	Level (dBu):	0.0

ARRAY CENTER

Array settings

Position x:	7.20 m	Position y:	0.00 m
Frame height front (z):	8.00 m	No. of CCL-SUB:	0
Horizontal aiming:	0.00 °	No. of CCL8:	6
Frame angle:	-14.60 °	No. of CCL12:	0
Delay (abs.):	9.7 ms		

TOPs

CUT: Off	CPL: Lo: -2.0 Mid: -3.5
----------	-------------------------

Cab.	Speaker	Setup	Level/dB	HFC	Abs.	Splay	Link
1	CCL8	AP	0.0	--	-14.6 °	--	--
2	CCL8	AP	0.0	--	-17.6 °	3.0 °	--
3	CCL8	AP	0.0	--	-22.5 °	5.0 °	--
4	CCL8	AP	0.0	--	-28.5 °	6.0 °	--
5	CCL8	AP	0.0	--	-36.4 °	8.0 °	--
6	CCL8	AP	0.0	--	-48.4 °	12.0 °	--

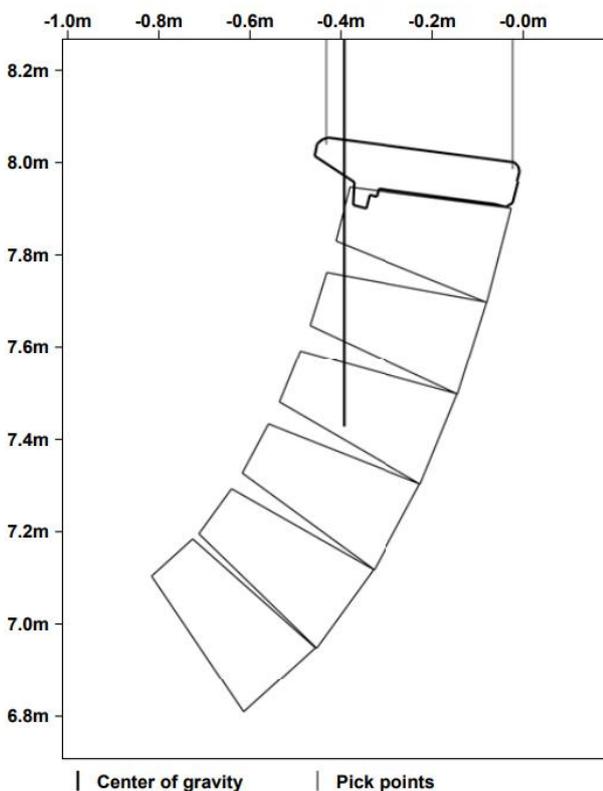
Load

Load OK	thin DGUV-17 limits	42% of load limit
Total weight:		111 kg
Height of lowest edg		6.81 m

Air absorption On

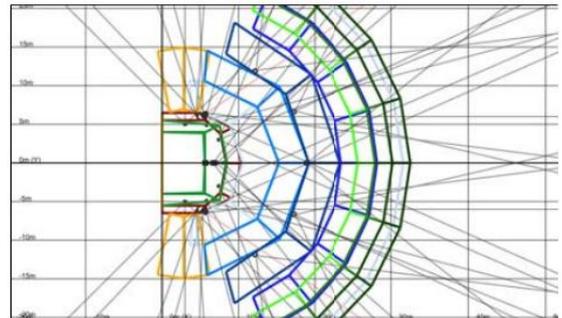
Temperature:	20 °C	Humidity:	60 %
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Array view

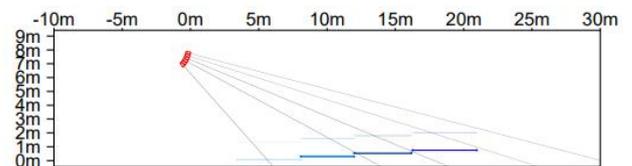


Pick points and load

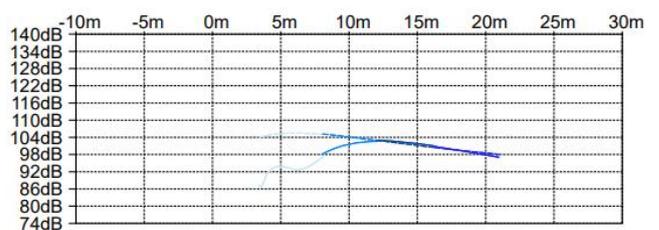
	Rear pick	Front pick	Distance	Single pick
X:	6.77 m	7.18 m	0.41 m	6.80 m
Y:	0.00 m	0.00 m	0.00 m	0.00 m
Pick pt. hole:	24	1		22
Pick pt. pos.:	42.9 cm	1.8 cm		39.3 cm
Load:	100 kg	11 kg		111 kg



Center: Profile at 0 ° aiming



Center: Direct sound level vs. distance/dB SPL



Signal selection

Curve 1:	1000 Hz	Bandwidth:	1/1 oct.
Curve 2:	250 Hz	Level (dBu):	0.0