TECHNICAL RIDER

VERSION 1.0 – January 2019

manege-reims.eu 1/18

OVERVIEW

Le Manège scène nationale – Reims, located in the Patte d'Oie Park, is a combination of two buildings designed by an architect from Reims called Narcisse Brunette at the end of the XIX century.

The first building named "Theatre" is a former horse riding arena, converted into a performing arts venue in 1991. This is a fully-fitted venue with an end-on format. It may also be rearranged as a one-level flat auditorium (tiered seats folded). These premises also host the offices of different departments.

The second venue called "Circus" was built in 1865 based on the model of the Paris Cirque d'été, (now demolished). The site also offers the possibility to host big tops on the natural-ground area located in the Patte d'Oie Park. In addition, Le Manège has a rehearsal studio located on street Tahure in Reims.

ACCESS AND PARKING

Le Manège – Scène nationale is located at 2 boulevard du général Leclerc in Reims.

Road access is from A4/A34 motorway exit 23 Reims-centre. The central railway station is a five-minute walk. The TGV (high-speed train) Champagne-Ardenne train station is located 15 minutes away by car or tram. Vehicle access to the courtyard is limited. Only staff and visiting companies may park, subject to availability, and in designated spaces. However the stage manager allocated to your performance might decide on different arrangements should the need arise.

Note: parking is not secure.

TECHNICAL GENERALITIES

The Manège Theater and the Circus are both equipped with a magnetic loop for the hearing impaired. Wi-Fi is also present in both places.

The Manège equipment stock includes stationery equipment allocated to each room and for the most part, mobile equipment shared between both venues, according to the performances received, the touring shows and the other varied activities generated by the facility. A list of the whole equipment is in the appendix of these tech-specs.

The technical staff schedule is planned two months prior each performance and becomes officially definite one month before the show.

The usual shifts are the following:

In the morning from 8:30 to 12:30

In the afternoon from 2pm to 6pm

At night from 7:30 pm to 11:30 pm

It is possible to work continually from 2pm to 8pm

Technical Team key contacts

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manege-reims.eu 2 /18

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manege-reims.eu 3 /18

THE THEATRE

The auditorium has a capacity of 459 numbered seats. The tiered seats consist of an upper part which is stationary, a lower part which may be folded (rows A to J). The control booth (open) is in the auditorium above the back row. In the case of a reduced audience (using only the lower part with 253 seats), the control booth can be installed in the middle of the auditorium.

There is also a configuration with a pit used occasionally.

GET-IN / GET-OUT

Truck access is via boulevard du général Leclerc. There is enough room to accommodate a semi-trailer for the getting-in / getting-out. The get-in access is on ground level through a 2.2m wide/3.4m high door.

STAGE INFORMATION AND DIMENSIONS

The stage is made of a lightly-coloured hard wood. The maximum tolerable overload is 500kg/m². It may be fitted with a black or white dance mat.

-Opening from wall to wall 16.67m

-Depth 12.83m

-Height to underside of grid 9.6m

-Maximum height to underside of bar 9m

With tiered seats folded, the one-level auditorium surface area is 16.67m x 25m

MASKING

Type of masking	Quantity	Material	Dimensions Width/Height	Colour
Legs	10	Velvet	2.70 x 8.92m	Black
	2	Velvet	1.40 x 8.30m	Black
	2	Velvet	4 x 8,40m	Black
Borders	7	Velvet	15.30 x 1.70m	Black
	1	Velvet	15.30 x 3.5m	Black
	1	Velvet	16 x 1m	Black
	1	Velvet	16 x 1.50m	Black
	1	Velvet	16 x 2m	Black
	1	Velvet	16 x 2.50m	Black
	1	Velvet	16 x 4m	Black
	1	Velvet	16 x 3m	Black
Background	2 ½ background	Velvet	9.30 x 8.50m	Black
House tabs	1	Velvet	2 x (9.40 x 8 m)	Pleated dark
				blue
Cyclorama*	1	PVC	12 x 7.50 m	White

^{*}Cyclorama can be used as a projection screen (front and rear)

manege-reims.eu 4 /18

STAGE TECHNICAL EQUIPMENT

The stage is equipped with fixed- speed motorized bars. The speed is different according to the type of bar. Also, house tab position, there are two bars: a PM1 motorized forestage bar, equipped with tab tracks and a PM2 that are moving downstage / upstage direction.

Bars	Safe working load	Speed	Length	Maximum height to underside of bars
1 to 10	250kg	13.3 m/min	14m	9m
T1,T2,T3	250Kg	5.2 m/min	14m	9m
PM1	300Kg	11.2 m/min	14m	8.8m
PM2	300Kg	13.6 m/mi,	14m	8.8m

Extensions of 50 cm stage left and stage right are installed on each bar to reach 15m length.

The theater is equipped with manual tab tracks to close the background with guillotine curtains. The same system exists on the FOH allowing a continuity of the occultation (the walls being light).

The auditorium is fitted with 3 mobile footbridges upstage to downstage direction, and one fixed lengthwise catwalk leading to mobile footbridges. (NB: No loading nor support on any footbridges or catwalks)

The building's structural steel work enables spot line rigging (see schemes). (Safe working load to be defined on a case-by-case basis.) The stage has ground rigging points consisting of 6 L-shaped rails (3 stage left and 3 stage right) with regular drilling withholding a pulling force of 800 kg per hole and a total of 1650 Kg per rail distributed evenly over several holes. Two rings with a safe working load of 1000kg are available stage left and stage right downstage position. (see schemes)

8 motors for a loading capacity of 1T, 4 motors for 250Kg, a set of come-alongs from 300kg to 1.5T, 1 Tralift chain hoist for a loading capacity of 500Kg, as well as steel and aluminum, square and triangular bridges of 300 and 400 of different lengths (4m, 3m, 2m), are part of the machinery equipment. We are also in possession of 40 scissors and 10 stickfoot podiums.

LIGHTS

The data protocol is DMX. The signal is distributed by HF transmitter to a set of receivers.

Dimmers

Quantity	Туре	Brand
36	Dimming racks 3kW circuits	Sensor EDT15AFR
18	Dimming racks 5kW circuits	Unison ED25RS

Quantity	Туре	Brand
90	Mobile dimmers 3kW circuits	Digitour 6 Avab
12	Mobile dimmers 5Kw circuits	Digitour 6 Avab
8	6 dimmer- modules 10/16A controllable via	Interdiff
	DMX	

Access to fixtures for focus is done by aerial lift.

SOUND

manege-reims.eu 5 /18

The auditorium sound system is distributed through 3 Powersoft Ottocannali amplifiers + Dante and 1 Powersoft K10 for the subs. It is mostly made of Amadeus boxes (heads and subs). Two stage control boxes, stage left and stage right are connected to Harting from the FOH mix position (rear and middle of the auditorium) by RJ45. Rack-fitted amplifiers are stored in a specific room where the patch is centralized (analogue and RJ45 to Dante)

WELCOMING FACILITIES

A green room is at the disposal of the visiting companies where hot drinks and snacks are available (capacity 10 to 12 people)

There are 5 dressing rooms for the visiting companies: 2 on the ground floor and 3 on the 1^{st} floor. The welcoming capacity is 11 people (4 dressing rooms fitting 2 people and 1 dressing room fitting 3).

An additional dressing room, which is equipped with a phone, computer and network access, may be used as a production office for 2 to 3 people. Backstage calls and show relay systems are available to all dressing rooms. Showers and restrooms are located near the dressing rooms stage left on the ground and 1^{st} floors.

Laundry facility (common facility for both Circus and theatre)

Equipment includes:

- A washing machine
- A tumble dryer
- A spin dryer
- Steam iron station and table
- A steamer
- A dry balloon(back-up drying cabinet
- A sewing machine with sewing equipment
- Towels
- Hot and cold water supply

manege-reims.eu 6 /18

THE CIRCUS

Le Cirque is a historical building dating from 1865. Its design has the shape of a regular polygon with 16 sides fitted in a 33-meter circle. The tiered seating follows the curve of the building. There is a capacity of 1010 seats, with 390 on the first level and 620 on an upper level. The venue may be obscured, but total black-out is not possible in the day time (deep darkness only). The light and sound control booth is located in the auditorium above door C (there is, however, a closed cabin above the tiered seating that is no longer or little used)

WORK SAFETY REGULATIONS FOR CIRCUS

The purpose of this protocol is to define a set of rules intended to maximize work safety to all users of the Circus. These rules complement the general framework for safety at work.

Mostly intended for technicians it also relates to any people who might be around during fit-up or strike time. In the Circus the grid is set up 15 meters above the floor. This specificity may generate workplace risks. A set of precautions, conducts and measures must be taken in order to avoid accidents.

GENERAL MEASURES

- fit-up and strike operations should be scheduled accordingly so as not to have fit-up and strike of both stage and grid at the same time. However, grid wiring may be done at the same time as the stage fit-up
- -All riggers or people climbing should leave any belongings likely to fall off the grid such as phones or keys in the lockers provided. They should also be equipped with tool-belts or carry-tools in which tools must be properly fitted and attached.
- -When technicians work in the grid it is mandatory to wear hardhats for those standing beneath. Similarly it is also mandatory to wear safety shoes while fitting up and striking (at both Theatre and Circus).
- -A light signal or beacon will be activated to inform anyone stepping into the circus that technicians are working on the grid.
- -Generally striking operations will begin with the performing area.

TECHNICIANS WORKING IN THE GRID

- technicians must pay close attention to safety measures to be taken when working at height and more specifically the ones related to working in the Circus:
- -when rigging/de-rigging light fixtures on a tube light, fixtures must be attached to tube with safeties at all times. That means that the lantern safety cables must be attached first to the tube before rigging it. The same goes for de-rigging: the lantern must be removed and put down first before detaching the safety cable.
- -ensuring that beacons are set up and activated.
- before climbing to the grid, technicians will make sure that no one is present on the ring below.
- -if there are not at least 2 technicians working in the circus, it is mandatory to inform a member of staff before climbing to the grid.

TECHNICIANS WORKING ON THE STAGE (circus ring)

- technicians working on the performing area will make sure that no one is working in the grid.

manege-reims.eu 7 /18

SPECIFIC CASES

If for any specific technical reason, operating in the grid becomes necessary when other technicians or artists are below on the performing area, an official green light must be given beforehand by the stage manager (or assistant to stage manager) in charge.

The latter must ensure that all safety measures are implemented and maximize work safety by setting up a security perimeter and ensuring no one enters it during the operation.

STAGE

Without its surrounding safety guard the ring has a diameter of 13 meters. Its flooring is padded wooden sprung floor. It may be fitted with black or white dance lino. A control desk is set up behind the stage door curtain. It controls F.O.H LX and work lights and is equipped with intercom system, foldback and video monitor system

GET-IN / GET-OUT

Get-in door is on ground level by the Manège courtyard and through a 2.40-meter wide/ 3.40-meter high door. Access to the circus ring is by a 2.75-meter wide/ 3.20-meter high opening. There is no storage area for the sets in the circus. The Manège courtyard may accommodate semi-trailers.

DIMENSIONS

For specific dimensions see schemes.

STAGE EQUIPMENT

The venue has a network of catwalks of 17 meters in diameter hung 15 meters above the ground. Access to catwalks is by lift. (payloads = 265kg) The whole system's weight is 8700kg. Overall maximum tolerable overload is 7300kg. Symmetrical loading is preferred.

15 electrical bars circle the circus at a height of 8.93 meters, as well as a dead hung bar located above the control booth. Each bar has a safe working load of 125kg distributed evenly. Bar heights are 3.55m above the last row of tiered seats. The whole flying system is internally wired (6 3kw circuits on 12 plugs).

A system of fastening/rigging points of varied features and different safe working loads are laid out on the floor and in the 4 lower vomitorium (red dots on the schemes) and on the ceiling (green dots on the schemes). A list and specifications of these points may be provided on request. Specific rigging and fit-up will be reviewed beforehand and a green light will be given on a case-by-case basis, particularly for circus apparatus.

The house also has a round framework installation of 7 meters in diameter that can fit light and sound equipment (max. load 300kg). In this case, the maximum height under grid is 7 metres. Adjustments can be made using an aerial lift.

It is also possible to install a motorized grid using square bridges allowing an attachment surface of $10 \times 10 \text{m}$ maximum (see schemes). The maximum height will also be 7 m.

manege-reims.eu 8 /18

LIGHTING

The data protocol is DMX. The signal is distributed through a wired network

Dimmers

Quantity	Specifications	Brand/Type
84	Mobile dimmers 3kW circuits	Digitour S / Avab / DMX
96	Dimming racks 3kW circuits	Digitours S / Avab / DMX
18	Dimming racks 5kW circuits	Fluos

SOUND

The sound system is distributed through 4 Powersoft Quattrocanali 4808 DSP amplifiers + Dante, and 1 Quatrocanali bridged for sub. It has 8 UDX8 Amadeus boxes on the ground, 8 A2Ts suspended and 4 ML18 Amadeus subs. As in the Manege, rack-fitted amplifiers are stored in a specific room where the patch is centralized (analogue and RJ45 + Dante).

DRESSING ROOMS

7 dressing rooms located in the passageways on the ground floor can accommodate 4 to 8 people depending on their sizes and have a total welcoming capacity of about 40 people. One of the dressing rooms is equipped with an Ethernet socket. Restrooms and showers are also available on the ground floor. All dressing rooms have a backstage calls system. The laundry use is common to both venues and is located in the Manege.

PATTE D'OIE PARK (public park)

This is a public park located right next to the two buildings of Le Cirque and Le Manège whose amenities might be shared. The natural-ground area may accommodate big tops, under certain conditions fixed by the City of Reims. Details will be provided by the Technical Director and the Stage Manager in charge of receiving the show.

THE STUDIO

Located in the heart of the Orgeval district, 15 minutes away from the Manège, the **studio** is a space for creation and rehearsal. This studio has all the modern comforts (Wi-Fi, kitchen, restrooms, showers) and is accessible by tram from the city center.

The room has a 20m x12m dance floor (double joists type) and is equipped with an aluminum bridge structure allowing various attachments (light, machinery etc). A black box (that can be opened or closed as needed) is installed. There is a sound system present on site.

There is a specific spec sheet to this space, please feel free to request it.

manege-reims.eu 9 /18

APPENDIX

SCHEMES

All of our schemes are drawn using the dwg format of AutoCAD

They are downloadable from this link:

http://manege-reims.eu/telechargements/technique/vues-images-cirque-theatre

They are also available in PDF format. They can be sent on request.

EQUIPMENT

This equipment is used by both venues. Please check availability.

LIGHTING

Lighting desks

Quantity	Brand/type	Specifications
2	ETC Congo Kid 256 channels	Programmable / digital / DMX
1	RVE Princess V3 12 channels	Programmable / digital / DMX
1	*Galatec Compact D12	2-scene manual / digital / DMX

^{*}Combination of a desk and dimmers, 12 channels

Dimmers

Quantity	Brand/type	Specifications
4	5kW mobile circuits	Digitour S / Avab / DMX

Spotlights

Quantity	Туре	Ref/Specifications
	PC	
28	1kW Plano-convex	Robert Juliat 310SH / Wide lens
30	1kW Plano-convex	RJ 306SH / narrow lens
38	1kW Plano-convex	RJ 310 HPC
25	2kW Plano-convex	RJ 309SH
36	2kW Plano-convex	RJ 329 HPC
6	2kW Plano-convex	RJ 339HM
	Profiles	
40	750W Profile	ETC Source4 – 15°/30° zoom
16	LED Profile	ETC Source4 – 25°/50° zoom
20	1kW Profile	RJ 614SX - 16°/35°
16	1kW Profile	RJ 613SX - 28°/54°
15	1kW Profile	RJ 614S - 13°/42°
20	2kW Profile	RJ 714SX - 15°/40°
4	2kW Profile	RJ 713SX - 30°/53°
16	2kW Profile	RJ 713SX - 29°/50° (most recent model)
	PARS	
133	1 kW PAR 64	CP60 / CP61 / CP62
21	300W PAR 56	NSP
14	30W PAR 36	
2	ACL 250W footlight	2x4 ACL

manege-reims.eu 10 /18

	Cycloids	
12	1kW cyc	Aurora
10	1kW cyc	Niethamer
12	1kW cyc	ADB ACP 1001
	Specials	
6	5kW Fresnel	
2	Svoboda	Square
8	Svoboda	Trapeze
10	500W BT	
1	2kW Blonde	
2	1200W HMI Fresnel	RJ 312L
2	HMI 2500W Followspot	
4	400W Halide	
1	Stroboscope	Starway Superflash3
12	Fluorescent lights	Dimmable
6	500W Quartz	Gemini

Miscellaneous

Quantity	Туре	Ref/Specifications
1	Oil-based smoke machine	Martin – DMX et manual remote control
1	Oil-based smoke machine	Cassiopé – manual remote control
6	Aluminium tower	h = 3m
8	Steel tower	h = 2.7m

SOUND

Consoles

Quantity	Brand/type	Specifications
1	Yamaha QL5	Digital + ADAT card + MY8 ADD96 card
1	Yamaha QL1	Digital 24/8 + Dante
1	Yamaha 01V96	Digital 12/12/2
1	Yamaha LS9	Digital 16/8
1	Midas Verona	Analog /32/8/8/2
2	Yamaha MG	Analog / 16/6
1	Yamaha MG	Analog /12/4

Peripherals

Quantity	Brand/type	Specifications
1	Yamaha SPX 1000	Multi-effects
2	Yamaha SPX 900	Multi-effects
1	Yamaha REV 5	Multi-effects
1	Roland SRV 2000	Reverb
1	Roland SDE 3000	Delay
2	BSS DPR 402	Compressor
2	Ashly 231	Stereo 31-band equaliser
1	Symetrix 525	Gate/compressor/limiter
2	Klark-Teknik DN 716	Delay line
4	Klark-Teknik DN360	31-band stereo equaliser
2	Behringer Tube Ultragain mic100	Mono microphone preamplifier

manege-reims.eu 11 /18

1	Behringer Headphone Amplifier HA 4400	4 channels
1	DENON 300C	CD/USB player
1	Tascam MD 350	Minidisc player
1	Tascam MD-CD 1MKII	Minidisc/CD player
1	Tascam CD 450	CD player
2	Tascam CD 01U	CD player

Speakers

Quantity	Brand/type	Specifications
4	Amadeus PMX15	Wide spectrum/passive coaxial/80°x 80°/15in/8Ω/1000W
14	Amadeus PMX12	Wide spectrum/passive coaxial/70°x 70°/12in/8\text{2}/700W
4	Amadeus PMX10	Wide spectrum/passive coaxial/70°x 70°/10in/8๑/400W
4	Amadeus ML18	Subwoofer/18in/8\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
2	Amadeus ML28	Subwoofer/2x18in/4\(\Omega/4000\)W
8	A2t S3424 passive	Wide spectrum/8in/8Ω/300W
4	Nexo PC 115	Wedge/8Ω/300W
2	GENELEC	Bi-amplified monitor speaker 150W + 1220W
2	Mackie SRM 150	Preamp speaker
1	HK Lucas Smart	Autonomous amplified system with 2 satellites and 1 subwoofer

Microphones

Quantity	Brand/type	Specifications
4	Neumann KM184	Static
2	Beyer M88	Dynamic
2	Sennheiser e904	
3	AKG C451	Static
2	Shure SM57	Dynamic
6	Shure SM58	Dynamic
2	Shure Beta58	
1	AKG D112	Dynamic
2	Crown-Amcron PZM 30F	Contact
4	Shure Beta91 - A	
2	Shure Beta98	
3	AKG C535	Static
3	AKG D310	Dynamic

Wireless System

Quantity	Brand/type	Specifications
2	Sennheiser ew 500-935 G3	ew500G3 wireless receiver +SKM500 wireless hand mic
		with e935 dynamic cardioid microphone capsule
2	Sennheiser ew 500-965 G3	ew500G3 wireless receiver +SKM500 wireless hand mic
		with e965 condenser cardioid/supercardioid microphone
		capsule
2	Sennheiser ew 500	ew500 wireless receiver + ew500 dynamic cardioid hand
		microphone
2	AKG DSR800	2-channel digital receiver – AES - Dante
4	AKG DPT800	Digital wireless body-pack transmitter
		(miniXLR 3-pin connection)
3	Sennheiser MKE 2	Lavalier microphone / wireless / omni-directional / flesh-
		coloured (miniXLR 3-pin connection)

manege-reims.eu 12 /18

1	Sennheiser MKE 2	Lavalier microphone / wireless / omni-directional / flesh-coloured (minijack connection)
4	DPA 4061	Lavalier microphone
4	DPA 4088F	Headset microphone / cardioid / flesh-coloured / flexible
		adaptor system

Mic stands

12	Black boom tripod stand	
2	Black low profile boom tripod stand	
4	Black straight desktop stand	
2	Black boom desktop stand	
2	Black straight tripod stand	

Intercoms

Quantity	Brand/type	Specifications
11	Headset	Intercom
11	BP 111 beltpack	Wired intercom
2	Intercom station	Wired intercom (1 at the Theatre, 1 at the Circus)
1	Clear-com CM222	Wireless 2-channel intercom (compatible with wired
	BaseStation	networks)
1	Wireless base station	
4	Clear-com wireless	
	beltpack + headset	
4	Clear-com CP222	Wireless 2-channel intercom
	BeltStation	

Miscellaneous

Quantity	Brand/type	Specifications
3	Soundweb BSS 9088 II DSP	Mobile rack
4	DI BSS AR133	
5	DI 2MKII	
2	Radial Engineering ProD2 DI Stereo	
4	BSS AR 133	Active DI box
5	Sennheiser HD201 headphones	
5	SCV D12 MK2	Active DI box

VIDEO

Video projectors

Quantity	Brand/type	Specifications
1	Christie DHD800	1 lens 1.2-1.5:1 (zoom) + 1 lens 1.8-2.5:1 (zoom) + 1
		lens 0.8:1 /8000 lumens HD
1	E-Vision 6800	1 lens 1.77-2.34:1 (zoom) + 1 lens 0.8:1 /6500
		lumens HD
1	Panasonic PT-D5600E	1 lens 1.8-2.4: 1 (zoom) + 1 lens 0.8:1 /5000 lumens
2	Avas	DMX shutter

Screens

manege-reims.eu 13 /18

Quantity	Dimensions/type	Specifications
1	4x3 / 1 canvas	*Front projection
1	4x3 / 2 canvas	*Front and rear projection
1	3x2 / 1 blended canvas	*Front and rear projection
1	16/9 (4.05x2.29) / 2 canvas	*Front and rear projection
1	16/9 (3.25x1.83) / 2 canvas	*Front and rear projection
1	6x4.5 / 1 blended canvas	**Front and rear projection

^{*}case on feet, ** screen to be suspended

Cameras

Quantity	Brand/type	Specifications
1	Sony Handycam DCS- PC106E	MiniDV digital camera
1	JVC GZ-HD 10	HDD digital video

Miscellaneous

Quantity	Brand/type	Specifications
1	Blaupunkt television	32in/LED
1	Sharp television	LC-20S5E-BK
1	Sony RDR HX D970	DVD player / recorder with a hard disk (HDMI/USB)
1	LG DVX 392H	DVD player (HDMI/USB)
1	Sony DVP M538	DVD player (SCART)
1	Extron MTP T 15 HD	Transmitter / RJ-45 / VGA
1	Extron MTP RL 15 HD	Receiver / RJ-45 / VGA
2	Kramer PT-571	Transmitter / RJ-45 / HDMI
2	Kramer PT-572+	Receiver / RJ-45 / HDMI
1	Kramer VP-200N	VGA booster 1 in / 2 out
2	Photo tripod	For digital or analog cameras

manege-reims.eu 14 /18