

Royal Theatre Northampton

TECHNICAL INFORMATION

Updated: November 2019

19-21 Guildhall Road, Northampton, NN1 1DP

Technical Manager (Royal)
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HEALTH AND SAFETY

Royal and Derngate is a health and safety aware environment.
CDM regulations are observed.

We have a blanket safety shoe policy for all in house staff, visiting company technical staff, stage management, support staff and contractors when work activities are taking place.

Hard hats are provided and are to be worn by ALL personnel on stage and in the auditorium whenever:

- Bar or overhead rigging is happening
- Using access equipment
- There is a risk of falling objects
- The in house Duty Stage Manager deems appropriate

Harnesses are to be worn as work restraint where appropriate by ALL personnel. Spare harnesses are available upon request.

Access above stage level is for house staff only. Visiting company personnel must be accompanied at all times when accessing areas above stage level.

Following the ABTT's withdrawal of its code of practice for the use of tallescopes, we now prohibit any movement of the tallescope while the basket is manned. This may have a staffing and time implication and should be taken into account when scheduling staff.

Walking on truss at height is deemed as inappropriate and an unnecessary risk. Truss walking is to be done ONLY as a last resort and at the Duty Stage Manager's discretion.

While rigging bars and overheads, only the Duty Stage Manager and Chief LX can communicate bar movement to the flyman, any changes to this procedure is done at the Stage Managers discretion.

The Duty Stage Manager has overall responsibility for all operations in the technical spaces at Royal & Derngate at all times. As such the Duty Stage Managers word is absolute and final.

STAGE

Oil tempered hardboard stage floor painted black. Any change to the stage flooring will be made good at the end of any run at cost to the visiting company.

Rake:		1:23 (approx.)
Stage Height:	Auditorium floor to stage	1000mm
Depth:	Rear of Iron to back wall	11000mm
	Front of stage to back wall	11700mm
Width:	Pros. opening	6320mm
	Fly floor to fly floor	9800mm
	Centre line to SR wall	7100mm
	Centre line to SL wall	14000mm
Height:	Pros.	6630mm
	To Grid	15000mm
	To underside of SR fly floor	DS 5500mm
		US 5300mm
	To underside of SL fly floor	DS 5400mm
		US 5300mm
	Underside of Back Bridge	8000mm

MASKING

4 of 9000mm x 2500mm Borders

2 of 9000mm x 2000mm Borders

1 of Full Black Split Tabs

1 of Full Flat Black

8 Black Hard Maskers 5200mm high x 1600mm wide (495mm return extensions available)

Assorted soft legs and black masking flats – please check for availability

FLYING

1 House border bar between tabs bar and LX1

23 Hemps sets to SR fly floor, 150Kg SWL (9.2m bars)

LX 1 & LX 2 Hand winches, 450Kg SWL

House Tabs on Single Purchase C/W set operated from stage or SR fly floor

GET IN

Trailers can back in to within a 15m distance of our dock door; the intervening space is an inclined tarmac surface. Load in is via a lift, objects longer than 5m will need passing down 3m to stage by hand. Trailer access to the Royal passes the Derrngate dock and is not possible when there is a trailer on the Derrngate; therefore trailer access time has to be co-ordinated in advance.

Dock Doors 2600mm H x 2150mm W, 2700mm above stage level

Lift to stage level 5000mm x 2000mm, 3000 Kg SWL

ORCHESTRA PIT

Length 8700mm
Width 1600mm
Pit floor to stage floor 1450mm

The pit will be covered; please contact the Technical Manager in advance if you require the use of the pit.

DRESSING ROOMS

All dressing rooms located SL and have hanging space, lit mirrors, 13A power points and shower facilities.

Stage Level DR 1, seats 2 (disabled access)
DR 2, seats 2
(DR1 & 2 have shared access to a disabled access shower)

Ground Floor DR 3, seats 3 en-suite shower facilities.
DR 4, seats 3 en-suite shower facilities.

First Floor DR 5, seats 3 en-suite shower facilities.
DR 6, seats 3 en-suite shower facilities.

AUDITORIUM

The Royal auditorium seats 414 over three levels, exclusive of holds which are in addition to this.

WARDROBE

Wardrobe facilities are available, subject to cost. Please note they are located FOH. Please contact the Technical Manager if you require the use of wardrobe facilities.

CATERING

Catering is available by prior arrangement only.

PARKING

There is limited onsite parking available. Two spaces can be allocated for visiting companies, subject to availability. Please let the Technical Manager know if you will require parking. In addition there are a number of Pay & Display car parks within easy walking distance of Stage Door.

LIGHTING

Lantern Stock

Unit	Quantity	Spare	Watts
Minuette F	11	1	500
Starlette F	23	1	1000
Harmony F	7	1	1000
828 F 2K	1	0	2000
ADB F 2K	1	1	2000
Starlette F 2K	3	1	2000
Patt 814 PC	3	1	1000
Starlette PC	3	1	1000
Source 4 15/30	9	0	750
Source 4 25/50	10	0	750
Sil 30	1	1	1000
Sil 15/30 Turbo (Rigged FOH)	20	0	1200
Sil 19/45 Turbo	5	1	1200
Prelude 16/30	9	0	500/650
Brio 25/50	9	0	600
Alto 8/16 (Rigged FOH)	5	0	2500
Parcans – mixed head (10 Scroll Cans)	34	1	1000
Source Fore Pars	15	0	750
Short nose PARS	4	0	1000
Birdies (12v)	12	0	75
Minuette floods	2	0	500
Starlette 4 cell battens	5	0	1000
Starlette 1 cell battens	10	0	1000
Minuette 3 cell battens	5	0	500
12V floods (microflood)	6	0	75
Iris 1	6	0	1000

Follow spots

2 RJ Ivanhoe, 2500 HMI, located centre of Upper Circle gallery.
Please note these are not permanently in situ and require setting up.

Intelligent Fixtures

Unit	Quantity	Spare	Watts
Atomic Strobe	1	0	
VL1000 TSD	1	1	1000
Martin TW1 80V	4	1	1200
Rainbow Pro 8" Scroller	10	1	
Jem Fan	1	0	

Scrollers will fit CCT 2k, S4 Zoom & Par64. Scrolls can be manufactured at cost to visiting company.

We have a quantity of cut colour, please check for availability. Colour can be cut from stock at cost to visiting company.

LIGHTING CONTROL/DIMMING

ETC EOS with Ion backup.

165 Dimmers.

108 x 2.5Kw

12 x 5Kw Smartracks located in dimmer room off stalls level.

45 x 3Kw Unison dimmers located on SL fly floor.

Dimmers patched at SL fly floor to 3 16way IWB's and various patch boxes around the stage. Various loose cable available – please check for availability.

POWER SUPPLY

Temporary power for visiting companies is located on the SL Fly floor, 8m (approx) run to stage level.

1 of 32A single Phase Cee-Form socket

1 of 32A TPN Cee-Form socket

1 of 63A TPN Socket with RCD

All supplies are fitted with standard protection devices. Please note that our protection devices are not adjustable.

SOUND

There is a fully installed Yamaha full range surround system run over a Yamaha DME network to all levels of the auditorium. Visiting sound designers are welcome to make alterations to the DME if required. This excludes one night shows and very short runs. Please liaise with the in house sound engineer for access to the DME and programming support.

Live mixing is from the rear of the stalls, situated under circle balcony, with a multicore run of 50 metres via the exterior of the building.

Control

Yamaha M7CL ES 48 console (including 1 Auvitrans AVY16-ES card)

3 x ADAT cards – (32 inputs from Audio interface) – see Record/Playback section

16 Digital tie lines to M7 via 2 x AD8HR mic pre-amps (8 x DSL, 8 x DSR)

32 Analogue tie lines patched via control room (8 x DSL, 8 X USL, 4 x DSR, 4 x USR, 8 x Pit)

Stalls

- 2 Yamaha 2112 full range (L&R, Yamaha XP7000 amp)
- 2 Yamaha IS1118 subs (Mono, Yamaha XP7000 amp)
- 3 JBL Control 1 Delays (Mono)
- 2 Yamaha 2208 full range (L&R Rear Surround, Yamaha XM4180)
- 4 JBL Control 1 (L&R Surround – Wired Series/Parallel with Circle Surrounds)

Circle

- 2 Yamaha 2112 full range (L&R, Yamaha XP7000 amp)
- 2 Yamaha IS1118 subs (Mono, Yamaha XP7000 amp)
- 4 JBL Control 1 (L&R Surround – Wired Series/Parallel with Stalls Surrounds)
- 2 Yamaha 2208 full range (L&R Rear Surround, Yamaha XM4180)

Upper Circle (Gallery)

- 2 Yamaha 2108 full range (L&R, Yamaha XP7000 amp)
- 4 Yamaha 2205 delays (L&R Pair, Yamaha XP7000 amp)

On stage/Loose

- 2 Yamaha 2112 (Yamaha XP7000 amp)
- 2 Yamaha 2108 (Yamaha XP3500 amp)
- 1 Yamaha IS1118 Sub (Can be flown)
- 2 EAW JF80
- 4 Bose 101
- 2 JBL Control 1
- 2 Mini Rig

Record/Playback

- 1 Mac Mini
- 1 x Presonus Firestudio 32 o/p to M7 Via ADAT
- Qlab V3 & V4 Pro Audio, QLab 4 Pro Video
- Ableton Live 10 Standard

Radio Mics

The theatre has 12 lavalier and 4 handheld Sennheiser G3 Ew300 radio mics. In addition there is one Sennheiser G series IEM.

Please check for availability.

Loose Equipment

- 2 Shure SM58
- 2 Sennheiser ME80 rifle mics
- 2 AKG C568EB rifle mics
- 2 Shure SM57
- 4 Sennheiser 406
- 1 Sennheiser 402
- 4 Sennheiser 614
- 2 Rhode NT1A Cardioid Condenser Mics
- 1 Marantz Sound Shield

Please check for availability of loose equipment.

COMMUNICATIONS AND CUEING

Single channel Tec-Pro style comms to all permanent stations, plus dual ring between sound and lighting control positions.

8 single channel belt packs and headsets
2 dual channel belt packs and headsets available on request

Cue lights to flys and auditorium mixer position plus up to 4 additional cue lights.

Prompt desk is situated SL with 2 monitors: 1 colour feed and one infra-red feed from cameras on the circle front.

Full volume controlled show relay to all rear stage rooms and dressing rooms with over-ride paging from prompt corner.

STAFFING

There are four permanent technical team members, augmented by auxiliary staff as required. Hours of work are flexible, subject to contract.

Technical Manager - Mark Lowe
mark.lowe@royanderngate.co.uk

Senior Lighting & Sound Technician - Andy Cox
andy.cox@royanderngate.co.uk

Senior Stage Technician - Matt Revell
matt.revell@royanderngate.co.uk

Technician - Chris Rice
chris.rice@royanderngate.co.uk

ABOUT ROYAL & DERNGATE

Situated in the heart of Northampton town centre, we consist of the Royal Theatre, the Derngate Theatre, two studio spaces, one rehearsal space and two cinema screens. FOH contains three house bars, John Franklins Bar and Restaurant Hibiscus. Shops and bars are nearby. St Johns Multi-Storey is the closest car park. The train station is approximately a 15 minute walk away.