

Royal Theatre Northampton

TECHNICAL INFORMATION

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19-21 Guildhall Road, Northampton, NN1 1DP

Telephone - 01604 626222

Fax - 01604 250901

CONTACTS

Technical Manager (Royal) – Mark Lowe (mark.lowe@royanderngate.co.uk)

Head of Lighting and Sound – Liam Mathews (liam.mathews@royalandderngate.co.uk)

HEALTH AND SAFETY

Royal and Derngate is a health and safety conscious environment.

We have a blanket safety shoe policy for all in house staff, visiting company technical, stage management and 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

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

PERFORMANCE AREA

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. A black dance floor can be provided, subject to cost and availability.

MASKING

4 of 9000mm x 2500mm Borders
2 of 9000mm x 2000mm Borders
1 of Full Black tab
1 of Full Flat Black
8 Black Hard Maskers 5200mm high x 1600mm wide (495mm return extensions available)
Assorted 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

Door 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

Pit will be covered - please contact the Technical Manager before you arrive if you want the pit uncovered.

DRESSING ROOMS

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

Stage Level	DR 1, seats 1 or 2 (disabled access) DR 2, seats 2 (DR1 & 2 have shared access to a disabled 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 450 over three levels.

WARDROBE

Wardrobe facilities are available, subject to cost. Please contact the Technical Manager if you require 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:		Wattage
14	Minuette F	500
24	Starlette F	1000
8	Harmony F	1000
1	Patt 743	1200
2	828 F	2000
2	ADB F	2000
4	Starlette F	2000
4	Patt 814 PC	1000
4	Starlette PC	1000
9	Source 4 15/30	750
10	Source 4 25/50	750
3	Sil 30	1000
20	Sil 15/30 Turbo	1200 (rigged FOH)
6	sil 19/45 Turbo	1200
10	Prelude 16/30	500/650
10	Brio 25/50	600
5	Alto 8/16	2500 (rigged FOH)
38	Parcans – mixed head	1000 (10 scroller cans)
12	Source Fore Pars	750
4	short nose PARS	1000
12	Birdies (12v)	75
2	Minuette floods	500
5	Starlette 4 cell battens	1000
10	Starlette floods	1000
5	Minuette 3 cell battens	500
6	12V floods (microflood)	75
6	Iris 1	1000

Followspots

2	RJ Ivanhoe	2500 HMI	Located centre of Upper Gallery
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Moving Lights/Scrollers

1	Atomic Strobe	
2	VL100TSD	1000
4	Martin TW1 80v	1000
2	Martin Mac 600	575
12	Rainbow Pro 8"scrollers	

Scrollers will fit CCT 2k & Par64. There are two standard scrolls available, please check with Head of Lighting and sound to discuss requirements. 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 3Kw

12 x 5Kw

Smartracks located in dimmer room off stalls level.

45 x 2.5Kw

Unison dimmers located SL fly floor.

Dimmers patched at SL fly floor to 3 16way IWB's and various patchboxes around 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

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. All delays, levels and routing are programmed for the optimal performance of this system. **Visiting sound engineers will not be able to make changes to these settings.**

Live mixing at rear of stalls, situated under circle balcony with a multicore run of 50 metres.

Control

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

2 AD8HR mic pre-amps at stage giving 16 digital channels to M7 console. Remaining tie lines are analogue patched via control room.

Stalls

2 Yamaha 2112 full range (L&R, Yamaha XP7000 amp)
2 Yamaha IS1118 subs (Mono, Yamaha XP7000 amp)
2 Yamaha 2208 full range (L&R surround, Yamaha XM4180)

Circle

2 Yamaha 2112 full range (L&R, Yamaha XP7000 amp)
2 Yamaha IS1118 subs (Mono, Yamaha XP7000 amp)
2 Yamaha 2208 full range (L&R surround, Yamaha XM4180)

Upper Circle (Gallery)

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

On stage/Loose

2 Yamaha 2112 (Yamaha XP7000 amp)
2 Yamaha 2205 (Yamaha XP3500 amp)

Record/Playback

1 Mac Mini Running Qlab V2 32 o/p to M7 Via ADAT
1 Denon DN-C630 CD Player
1 Fostex CR500 CD Recorder/Player

Radio Mics

The theatre has 12 lavalier and 4 handheld Sennheiser G3 Ew300 radio mics.

Please check for availability.

Loose Equipment

2 Shure SM58
2 Sennheiser rifle mics
2 AKG CS6EB rifle mics
2 Shure SM57
4 EMO DI boxes
4 Sennheiser 406
1 Sennheiser 402
4 Sennheiser 614

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
3 dual channel belt packs and headsets

Cue lights to flys and control room plus up to 4 additional cue lights.

Prompt desk is situated SL

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

STAFFING

There are six full time technical staff comprising of Technical Manager, Head of Lighting and Sound, Senior Technician (Stage), Senior Technician (Lighting and Sound) and two Technicians, augmented by casual staff as required by performance and contract. Hours of work are totally flexible, subject to contract.

ABOUT ROYAL & DERNGATE

Situated in the heart of Northampton town centre, we consist of the Royal Theatre, the Derngate Theatre, two studio spaces and two cinema screens. FOH contains three theatre bars, John Franklins Bar and Restaurant Hibiscus, as well as Franks Hot Dogs, Lick Frozen Yogurt and confectionary outlets. Shops and bars are nearby. St Johns Multi-Storey is the closest car park. The train station is approximately 15 mins walk away.