



Key Theatre

Peterborough

Technical Specification

Updated – August 2023

Contents

Parking.....	3
Contacts	3
Capacity.....	3
Stage Information & Dimensions.....	4
Flying (no tower) & Rigging	4
Stage Equipment	5
Orchestra Pit.....	5
Stage Management	5
Control Rooms.....	6
Wardrobe	6
Dressing Rooms	6
Touring Company Power	7
Lighting.....	7
Control and Dimming.....	7
Lantern Stock	7
Follow Spots.....	8
Lighting Accessories	8
Lantern Rigging	8
Circuit Diagram Layout	9
Sound	10
Mixing Desk.....	10
House Sound Rig.....	10
Microphones	10
Grand Piano.....	10
Audio Visual.....	10
Accessibility	11
Smoke Machines, Hazers, Pyrotechnics, Naked Flame, COSHH, Weapons & Lasers	11
Flying & Rigging.....	11
Electrical Equipment.....	12
Drapes, Backdrops & Scenery	12
Control of Noise at Work Regulations 2005	12

Address

Key Theatre
The Embankment
Peterborough
Cambridgeshire
PE1 1EF

Parking

The Riverside Pay and Display car park is located directly outside the entrance to the theatre. Access to the loading bay is off the entrance to the Riverside car park, through the gate which leads onto the Embankment, the duty technician will be able to open this for you upon arrival. A Maximum of 5 Spaces are available to the company.

Contacts

General Manager

Jag Singh – jag.singh@landmarktheatres.co.uk

Operations

Manager

Belinda Ayres - belinda.ayres@landmarktheatres.co.uk

Technical Team

Technical Manager, Matt Oscroft - matt.oscroft@landmarktheatres.co.uk

Deputy Technical Manager, Ashley Radley – ashley.radley@landmarktheatres.co.uk

Technical Team – peterborough.technical@landmarktheatres.co.uk

Box Office Manager

Louise Waldron – louise.waldron@landmarktheatres.co.uk

Capacity

Full Capacity: 360 Seats (Including flexible access requirements)

Sound Desk: reduces capacity to 344 (16 seats)

Full Pit: reduces capacity to 338 (22 seats)

Half Pit: reduces capacity to 349 (11 seats removed from stage right)

Any change in capacity should be discussed at the booking stage of your visit to us.

Stage Information & Dimensions

The stage is a thrust stage with easy access between the stage and the auditorium.

There is no safety curtain/iron.

There is no physical proscenium arch, and the lighting grid is exposed both over the stage and audience.

Black hard masking flats define the downstage front sides of the stage.

Overall width (wing to wing) 20.7m (68ft)

Overall depth including thrust 10.6m (35ft)

Thrust Depth 2.4m (8ft)

Front of house tabs to gauze 7.2m (23ft 6ins)

Proscenium Opening 11m (36ft)

Minimum overhead clearance is 5.9m (19ft 4ins) upstage, this is dictated by structural ironwork.

Overall stage floor to roof is 8.2m (27ft)

The height is reduced over a span of 3m.

The stage floor is painted and glazed black plywood.

Flying (no tower) & Rigging

10x Winch bars operated by power drill (5 of these are IWB lx bars)

The bars are laid out in 3 sections.

- 3x Downstage (Maximum Height 7.5m approx.)
- 1x Downstage Truss with 4 Triple E Tracks on (Maximum Height 5.8m approx.)
- 4x Mid stage (Maximum Height 7.5m approx.)
- 2x Upstage (Maximum Height 6m approx.)
- PLEASE NOTE: No live flying is available due to speed and noise.

4x Fixed Curtain tracks are located on the back wall (Maximum Height approx. 5.9m)

These usually contain:

1x White Gauze

1x Black Gauze

1x Star Cloth

Red house tabs are located on the setting line (2.4m from front edge of stage) and are operated from Prompt Corner Stage Left or from the box.

A selection of wing masking is available for use including hard black flats (Maximum 12 flats) or soft legs on an 'up down' Triple e track each side of stage.

There is no top masking.

Black mid stage tabs are available 5m from the back wall and are operated manually from stage left. There is also a fiberoptic star cloth located behind these.

Stage Equipment

1x Medium Tallescope

1x 14 Rung Zarges

2x 8 Rung A-Frames

3x Step Ladders

The venue has a selection of braces, stage weights, conduit, scaffold tube, various cuts of black tat. We also have additional rigging stock, including SWR, spansets, and bow shackles.

Orchestra Pit

A removable orchestra pit is located in the front row of the auditorium please advise at the time of booking if you require the use of this as time and staff will have to be allocated for its installation and removal.

Stage Management

Our prompt desk is located DSL and contains the following:

Colour Video feed

Infra-Red Video Feed

Audio Monitor

Cue Light Control

Paging Microphone

Stopwatch

Comms feed

Up to 10 cue lights are available upon request.

Comms positions are available Stage Left, stage Right, Fly Floor (Stage Left), Sound Desk, Lighting Desk, 2x Followspot Positions and in the orchestral pit.

Show Relay feeds all the dressing rooms and corridors back of house.

Control Rooms

The control room can be either open or closed via glass windows and can house both Lx and Sound Desks. (Lighting Desk and sound desk are normally separated by a non-moveable cinema projector)

By prior arrangement (subject to recharges) it also houses 2x followspots.

The sound mix position is in the centre of the rear stalls. Maximum size for control is 2500mm. Please note that the sound control is located over seating and will need to be arranged prior to your arrival to allow us to block out seating on the plan.

Wardrobe

There is two washing machines and two tumble dryers on site for use by visiting companies.

Dressing Rooms

	Room	Capacity	Total	
Ground Floor	Dressing Room 1	7		Fridge & Kettle
	Dressing Room 2	7		
	Dressing Room 3	7		
	Dressing Room 4	7		Fridge & Kettle
			28	
First Floor	Dressing Room 5	7		
	Dressing Room 6	7		
	Dressing Room 7	7		
	Dressing Room 8	7		
			28	Fridge, Kettle and Microwave in Kitchenet shared between dressing rooms.

Touring Company Power

Stage Left: Primarily used for sound power.

2x 16-amp single phase

2x 32-amp single phase

2x 63-amp single phase

Stage Right:

1x 32 Amp Three phase

3x 63 Amp Single phase

1x 63 Amp Three phase

Control Room:

2x 16-amp single phase

2x 32-amp single phase

2x 63-amp single phase

Various 13-amp supplies are available around the stage area.

Lighting

Control and Dimming

ETC Gio Console with 2x20 fader wing

Three universes of DMX control the in-house lighting and house lights. Universes 1 and 2 are controlled via 5 pin DMX cable and universe 3 is controlled via Artnet.

IP address: 169.254.194.185 Net Mask: 255.0.0.0

- Universe 1 – House Lights, LED Fresnel's, star cloth, Dimmers, Non-Dims
- Universe 2 – LED Pars
- Universe 3 – Moving Lights (Recharged)/Additional Fixtures

288 10A ETC Sensor+ dimming racks hard wired to circuits.

32 15A non-dim outlets

Lantern Stock

- 26 x ETC Source 4 15-30° Zoom
- 12 x ETC Source 4 25-50° Zoom
- 6 x ETC Source 4 Junior 25-50° Zoom
- 12 x ETC Source four par with medium lens
- 36 x Selecon Rama Warm White LED Fresnel
- 30 x COLORado 2-Quad Zooms (17 Channel TR16 Mode)

- 5 x Ovation CYC 1 FC (16 Channel Mode) (Permanently Rigged and non-movable)
- 5 x Ovation CYC 1 FC (16 Channel Mode)
- 1 x RGB Star cloth (Fixed Position)

Follow Spots

2x Robert Juliat Marius 8.5/16 degree 1200W discharge with 6 way colour changer (Please check the availability of these prior to your performance as they are shared with our sister venue and recharges may apply)

Lighting Accessories

We have a stock of gel in house, please contact us at least two weeks in advance of your event to confirm current stock and if additional gel is required.

A stock of gobos and holders are held for all types of profile, please contact us with your exact requirements.

A range of cables are available for use please let us know of any special requirements you may have.

All Fresnel's come with barn doors and we also stock 8 barn doors suitable for source 4 pars and 8 for LED Pars.

Lantern Rigging

See plan for fixed and flown internally wired bars. It is worth noting that the central bridge in the auditorium (Circuits 61-78) is only suitable for Pars due to Structural constraints.

All Lanterns have hook clamps, a number of long drop clamps and other rigging options are available on request.

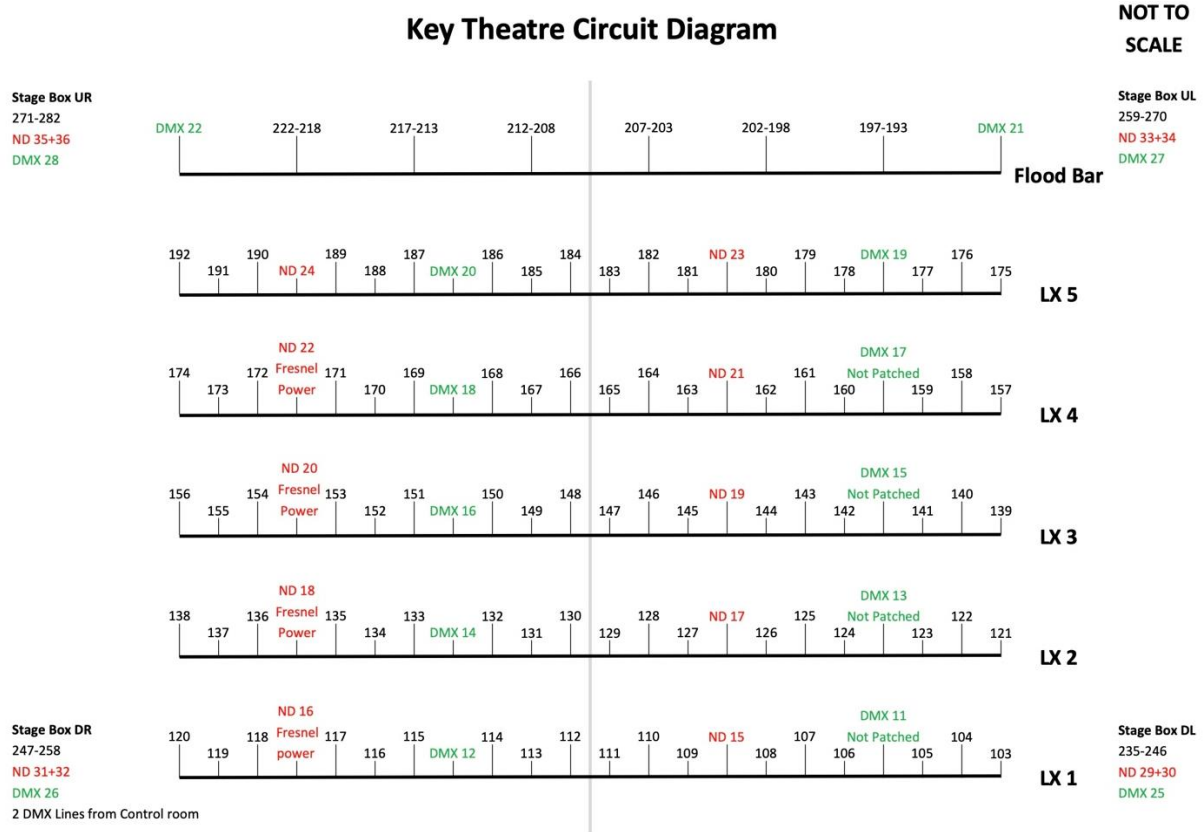
In addition:

12 x floor stands

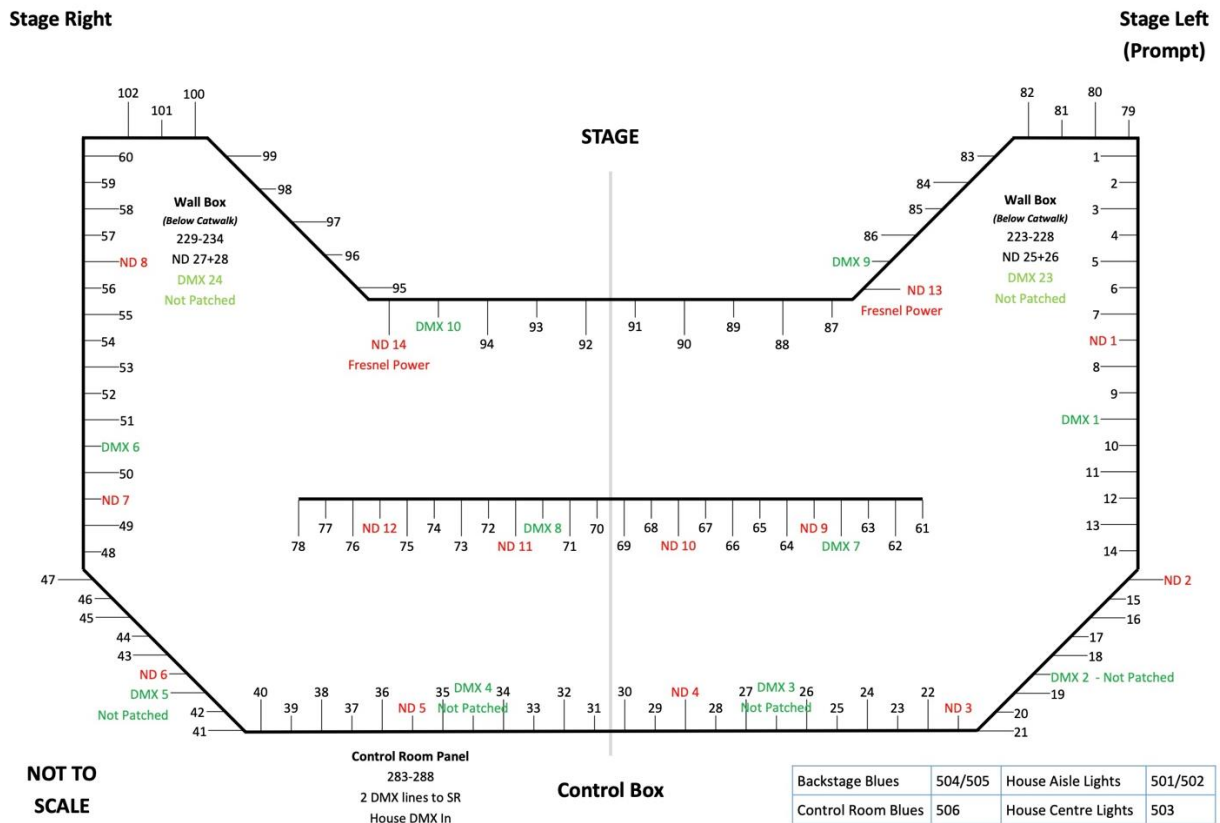
4x Spigot light stands (1.5-2.5m)

2x tank traps and boom arms are available on request.

Circuit Diagram Layout



FOH Circuit Diagram



Sound

Mixing Desk

The Venue has Digico SD9 with 1x SD rack fixed permanently DSL and 1 x SD rack which can be positioned anywhere.

Analogue tie lines are available across the stage and in the control room.

House Sound Rig

Left-Centre-Right setup.

3 x EM Acoustics EMS-81X (centre fills from catwalk)

2 x EM Acoustics MSE-159

2 x JBL PRX800 Subs

4 x HK Premium Pro 12M Monitor (Passive)

2 x HK Premium Pro 15X Monitor (Passive)

Microphones

6 x SM58

6 x SM57

4 x AKG C1000s

1 x Audio Technica AT8010

4 x Sennheiser E604

1 x Sennheiser Evolution E602-II

2 x AKG SE 300 B shotgun microphone

2 x Crown Audio PCC-160 boundary microphone

6 x LDI Active DI boxes

8 wireless belt pack microphones or two hand held wireless microphones are available at additional cost.

A Selection of stands are available with clips for our own microphone stock. This includes:

12 x standard boom stands

4 x straight stands

6 x small boom stands

4 x table top stands

Grand Piano

A Steinway Grand Piano is available to hire by prior arrangement. The theatre can also arrange for tuning for the piano.

Audio Visual

One Optima projector is installed focused at the Cyc or at a drop-down screen mid stage. It is available with a VGA or HDMI input from either PS or the control box. A Sony 4K cinema

projector located in the box is also available at a recharge. (This is very noisy so Windows need to be shut making hearing the show difficult)

Accessibility

The auditorium is covered by Sennheiser infrared transmitters. Headsets etc. are available from box office.

Special Effects

Recharges apply-

- Chauvet 4D Hurricane Hazer
- Martin Glaciator Low Fogger
- Look Solutions Viper Fog Machine
- 4 x Chauvet Geyser p7

Please advise in advance as we cannot guarantee to stock enough fluid for all machines.

Please get in touch with Technical Manager to confirm your show requirements. As not all equipment listed may be available on your visit. Additional charges may apply to some items listed. If you wish to hire in any extras please discuss this with us as we have a good relationship with local hire companies.

Health & Safety

Smoke Machines, Hazers, Pyrotechnics, Naked Flame, COSHH, Weapons & Lasers

Please provide details of any pyrotechnics, smoke effects (including hazers) or the use of naked flames at least 14 days in advance of your event. Similarly, details of all substances falling under the COSHH regulations must be provided 14 days in advance of your event.

Details of laser location, laser power, control measurements and risk assessment must be provided 14 days in advance of your event.

We reserve the right to disallow the use of any smoke machines, pyrotechnics, lasers or effects if we deem them to be unsafe, or insufficient notice has been given. The fire panel must be disabled before the use of smoke machines or pyrotechnics - please confirm with the Technician/Duty Manager on the day of your event before using them to avoid evacuation and potential delays to your event.

Flying & Rigging

All riggers must be competent and experienced and must carry their own Public Liability Insurance. All work must be carried out to current guidelines and legislation. All points must have independent, fire resistant, suitably rated safeties - the use of zip ties as a substitute is not allowed. The venue can provide safeties at a cost per point. The Technician/Duty Manager may disallow rigging at their discretion.

Electrical Equipment

All electrical equipment brought to the venue must be in good condition, as inspected by a competent individual. RCD protection must be present on all distribution outlets. Equipment and staff must comply with the Electricity at Work Regulations 1989, particularly regarding the testing of Portable Appliances. The Technician/Duty Manager may test equipment or disallow the use of equipment that is deemed unsafe.

Drapes, Backdrops & Scenery

This venue does not have a safety curtain - please ensure any scenery, drapes and backdrops are fire resistant to the appropriate level. We reserve the right to perform controlled flame tests and to prohibit the use of materials that we deem unsafe.

Control of Noise at Work Regulations 2005

As per the guidelines laid out in the Home Office guide to Safety and Welfare at Pop Concerts, we reserve the right to monitor sound levels and to reduce the sound level if we deem it necessary; this includes during non-show times.