

**Key Theatre Technical Specification**

*Updated 11.02.2016*

Please get in touch with the technical manager to clarify any requirements for your show in advance. Failure to do so may mean some equipment is not available. The list below does not guarantee the availability of all the equipment.

**Main Auditorium**

**Stage**

Thrust stage with easy access between stage and auditorium. No safety curtain. No physical proscenium arch, the lighting grid is exposed both over stage and audience. Black hard flats (“tormentors”) define the downstage sides of the stage.

Overall width including wings: 20.7m (68ft)  
Overall Depth including 2.4m (8ft) thrust: 10.6m (35ft)  
Tabs to back gauze: 7.2m (23ft 6ins)  
Proscenium opening: 11m (36ft)

Minimum overhead clearance is dictated by structural ironwork at 5.9m (19ft 4ins). Overall height from stage floor to roof 8.2m (27ft). A sloping ceiling upstage reduces the height from 8.2m to 5.9m over a span of 3m.

The stage floor is black plywood with no rake.

360 raked seats with side aisles. Seating capacity is flexible for disabled patrons and reduced by up to 16 seats if a technical desk is required within the seating. This should be booked as part of the contract.

**Flying**

10 winched bars operated by power drill from stage left fly floor, including 6 IWB LX bars. . The bars are laid out in in 3 sections; 4 in the downstage bay, 4 in the mid stage bay and 2 in the upstage bay. The upstage bay is under the sloped roof and so has a lower maximum height of approximately 6m. The remaining bars will fly to approximately 7.5m. These do not fly live due to noise and speed.

There are 4 fixed curtain tracks on the back wall at approx. 5.5m (18ft) including 1 black gauze, 1 white gauze and the star cloth. A selection of tracked bars are usually rigged and can be used with prior request.

House tabs are red, running across the setting line and are operated from the prompt corner.

Full masking is possible with hard black flats or soft black legs on an up & down E track on each side. There is no top masking. A black traverse curtain is available approx. 5m (16ft 4ins) from the back wall, operated manually from the fly floor.

**Stage Management and Operation**

Sound and lighting control are from the control box at the back of the auditorium.

A prompt desk is located stage left with infra-red and standard visual feeds, an audio monitor, cue light control and paging microphone. Up to 10 cue lights are available on request.

Communication headsets are available stage left and right, on the fly floor and for sound, lighting and followspot positions.

**Power**

Stage Left Stage Right  
2x 16 amp single phase 1 x 32 amp single phase  
2x 32 amp single phase 3 x 63 amp single phase  
2x 63 amp single phase 1 x 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  
One universe of DMX controls in-house dimming and house lights  
ETC Sensor+ dimming racks hard wired to circuits (see plan)  
32 15A non-dim outlets (see plan)  
2 \* DMX tie lines from stage right to control box (one wired for pins 1-3 only)

**Follow Spots**

2 \* Robert Juliat Marius 8.5/16 degree 1200W discharge with 6 way colour changer

**Lantern Stock**

|  |  |
| --- | --- |
| 24 | ETC Source 4 15/30 zoom |
| 12 | ETC Source 4 25/50 zoom |
| 6 | ETC Source 4 Junior 25/50 zoom |
| 4 | ETC Source 4 50 Degree Fixed Beam |
| 4 | ETC Source 4 26 Degree Fixed Beam |
| 36 | Selecon RAMA Warm White LED Fresnel |
| 12 | CCT Minuette Fresnel |
| 5 | Thomas 4-way Asymmetric Cyc Flood Bars |
| 60 | ETC Source 4 PAR (Medium Lens) |
| 1 | RGB LED starcloth |

**Accessories**

Every Lantern has a colour frames and all shutters etc. where applicable.

All Fresnels have operating barn doors

A selection of Gobo holders and iris’s is available for all 3 types of profile. Please ask in advance to check we stock enough for your show.

An in-house stock of Lee Filter gel and assorted gobos are available.

Socapex and 15A extensions/grelcos are available on request

**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 Source 4 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 \* floor stand  
4 \* Spigot light stands (1.5-2.5m)

2 tank traps and boom arms is available on request.

**Atmospheric Effects**

*All effects will be charged in addition to venue hire. Please advise in advance as we cannot guarantee to stock enough fluid for all machines.*

Le Maitre MVS Hazer  
Martin Glaciator Low Fogger  
Look Solutions Viper Fog Machine

**Access**

Lighting bars over the stage can be lowered to working height for rigging. Access for focusing is providing using a Tallescope. Additional staff may be required if the Tallescope is to be used in order to meet minimum staffing requirements.

Front of house lighting bars are accessed via catwalk for both rigging and focusing.

**Audio Visual**

One projector is installed focused at the Cyc or at a drop down screen midstage. This is available to use at additional cost on discussion with the technical manager. It is available with a VGA input from either PS or the control box.

**Sound**

**Control, Effects and Playback**

Control from either control box or auditorium using Digico SD9. One SD-rack in the box and one on stage with analogue tie lines available across the stage and up to the box.

In control room:  
1 x Tascam MD-350 mini-disc player  
1 x Denon DN C630 CD player  
1 x Yamaha SPX2000 Multi-effects Processor  
1 x Lexicon MPX 100 Dual Channel Processor

Multicores for visiting sound systems can be run up either side of the auditorium.

**PA System**

Left-Centre-Right setup.  
3 x EM Acoustics EMS-81X (centre fills from catwalk)   
2 x EM Acoustics MSE-159 (1 either side of the proscenium opening)   
2 x TurboSound TXP-118 Subs (1 flown either side of the proscenium opening)

**Monitors**

4 x HK Premium Pro 12M (Passive)   
2 x HK Premium Pro 15X (Passive)

Additional small effects speakers or personal monitors are available on request.

**Microphones, Stands etc.**

Our microphone stock includes:  
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

2 wireless microphones are available at additional cost.

A Selection of stands is available with clips for our own microphone stock. This includes:   
12 x standard boom stands  
4 x straight stands  
6 x small boom stands  
2 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.