## Technical Information

**BLACK BOX**

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BLACK BOX STAGING TECHNICAL SPECIFICATIONS

Black Box Level 5
Retractable bleachers in an end-stage configuration
Seating Capacity 120 seats
Free seating
Capacity will be reduced by the use of the following

Wheelchair Space
House Left 2 Wheelchairs
(4 seats)
House Right 2 Wheelchairs
(4 seats)

LOADING AREA
The Loading Area is accessed by Bain Street. The Black Box's back stage area is accessed via the cargo lift located in the Basement 2 Car Park

Loading Dock Entrance Clear Height 4.2m
Dock Height from floor 0.48m
Loading Bay Opening Width 4.2m, Height 2.7m
Door to Black Box Backstage Width 1.40, Height 2.20m

Loading Goods Lift (Shared)
Height 3m
Width 2.6m
Depth 5.8m
Loading 4,000kg

Stage Specifications

FLOOR
Resilient floor with 36mm plywood top overlaid with Weathertex floorboards in 1.2m by 1.2m configuration

Loading of Stage Floor 5kN/m²

ROOM DIMENSIONS
Control room is on House Right (DSL)
Performance area is trapezium in shape.

Depth Upstage centreline to Downstage centreline. 5.8m (with 1m clearance from audience)

Width Upstage right to upstage left 9.3m
Downstage right to downstage left 13.5m
RIGGING SPECIFICATIONS

GRID
Fixed 48mm O/D pipe grid
See ground plan for more accurate disposition of grid pipes.

Nominal height from stage floor 7m (under lower pipe)
The suspension of any equipment other than in-house stock is subject to prior approval.

DRAPERIES
Black wool serge drape surround on fixed traveler tracks.

Black wool serge legs
Quantity 2 pairs
Width 3m
Drop 8.8m

MUSIC ACCESSORIES

Hercules Music Stands 4
Chairs 10

DANCE MATS (Available upon prior arrangement)

*Please refer to drawings for layout

Quantity 3
Colour Black (Vinyl)

WORK PLATFORMS

Electricity operated one-man elevated working platform 1
Maximum height 11m
BLACK BOX SOUND TECHNICAL SPECIFICATIONS

SYSTEM & INVENTORY LIST

**MIXING POSITION**

Control Room

**MIXING CONSOLE**

Digital Mixing Console with 24 input channels

Soundcraft Si 24 Compact 1

**PLAYBACK**

Denon C680 Compact Disc Player 2

**EFFECTS**

Lexicon PCM 81 Digital Effect Processors 2

**PROCESSING**

Klark Teknik DN 6000 Graphic Equalizers 2

**STANDARD RIG**

Front of House Speakers are rigged at a default location, piped down 1.1 metres from the grid

*Please see venue drawings for position of standard rig*

**LOUDSPEAKERS**

Standard House Rig powered by d&b E-PAC Amplifiers

- FOH Speakers  
  - d&b C690 2
- Subwoofers  
  - d&b Q-Sub 2
- Stage Monitors  
  - d&b C690 2

Additional d&b Max 12 Stage Monitors are available. List upon request as these items are shared among venues.

**POWER**

- Situated Downstage Left  
  - 230 Volt 50 Hz  
    - 16 amp 1 phase C-form outlet with Isolated earth. 1
- Situated Downstage Right  
  - 230 Volt 50 Hz  
    - 16 amp 1 phase C-form outlet with Isolated earth. 1
MICROPHONES & MIC STANDS

Although Drama Centre provides a standard quantity of microphones and transducers, additional units may be requested subject to availability as they are shared among venues. The hirer should bring in any microphone that cannot be catered for.

Dynamic Microphones

SHURE SM57  5
SHURE SM58  1
SHURE SM58S  1

Condenser Microphones

Crown PCC 160  3
Sennheiser ME64  2
Sennheiser ME67  4
SHURE EZO/G  2

Direct Injection Box

Countryman DI Box  2

SHURE UR4D RF SYSTEM

SHURE UR4D Receivers  4
SHURE UR1M Micro Body Pack Transmitters  4
SHURE UR2 SM 58 Handheld Transmitters  4

*up to 4 units of either Handhelds or Bodypacks may be used

Subject to request and or availability (Shared Inventory)

SHURE UR3A Plug-On Transmitters  4
DPA 4066 Omni Directional Headset Microphones  4
SHURE WCE6T Head-worn Microphones (Tan)  4
SHURE WCB6B Head-worn Microphones (Black)  4
SHURE KSM 141  4
DPA VO 4099 Stereo Microphones  1 pair
AKG C 414 XLS  2
AKG C411 PP  6
Sennheiser MD 421  2
Sennheiser e906  2
SHURE Beta WB 98 H/C  2
SHURE Beta 52 A  2
Beta 98 AD/C  7

USE OF ADDITIONAL HIRED WIRELESS SYSTEM

* Do consult Technical Production where additional hired RF units are required as these should not conflict the ones used in the Drama Centre Theatre

*Only Duracell Batteries are specified for use with the SHURE Wireless System

*Only 3M Transpore, Blenderm and Leukoplast surgical tape are allowed for use with wireless microphones

*Charges for head-worn or head-set microphone capsules are as follows

- $45.00 daily rate (up to 3 days)
- $135.00 weekly rate

*Where external RF systems are brought in, hirers are to provide an RF operator
**DISTRIBUTION & OTHER FEATURES**

**COMMUNICATIONS**

<table>
<thead>
<tr>
<th>Intercom &amp; Accessories</th>
<th>ClearCom Matrix System</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Single ring intercom belt packs</td>
</tr>
<tr>
<td></td>
<td>Heavy-duty single ear headsets</td>
</tr>
<tr>
<td></td>
<td>Lightweight single ear headsets</td>
</tr>
</tbody>
</table>

* The Black Box Intercom System is set on a single ring and all operators are provided with Intercom Sets

**PAGING AND RELAY**

<table>
<thead>
<tr>
<th>Paging System</th>
<th>Programmable Paging System exists for Dressing Rooms and Corridors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio Show Relay</td>
<td>Show Relay is routed to dressing rooms and corridors</td>
</tr>
<tr>
<td>Video Monitors &amp; Accessories</td>
<td>1 x 21” Video Monitor with static view of performance (Control Room)</td>
</tr>
<tr>
<td>Latecomers Video Show Relay</td>
<td>Live video and audio are relayed to TV monitors located at the foyer</td>
</tr>
</tbody>
</table>

**ADDITIONAL INFORMATION**

| Cable Run (Grid to Control Room) | 20 Meters |
BLACK BOX LIGHTING TECHNICAL SPECIFICATIONS

PRODUCTION LIGHTING

Upgrades and other design changes may alter venue specifications over time. This information is subject to change, without notice. Hirers are urged to ensure they are in possession of the most recent documentation. Specific requirements must be verified on a show-by-show basis.

EQUIPMENT SET UP & OPERATION

All in-house equipment will be operated by Drama Centre staff, including consoles. Concessions to this practice may be granted, under special circumstances, through prior consultation. All hired equipment will be setup under the direction of visiting personal but may be operated by either party.

ELECTRICAL SAFETY

All electrical equipment, brought on site, is expected to conform to local codes, be of good quality and good repair. Suspect equipment may be subjected to an Electrical Safety Test and the Drama Centre reserves the right to disallow its use.

POWER SUPPLY

Local Power Supply 230 volt single phase, 50Hz

Standard stage fixture connector 16 amps CEE17
Standard household connector 13 amp UK type

DATA DISTRIBUTION

Interface DMX 512

CONSOLE

Computerized Lighting Control GrandMA2 Full Size

HOUSE & WORK LIGHTS

ETC Unison 6-preset controller located in the lighting booth and backstage entrance

DIMMERS

AF Euro Racks with patchable outputs 4

ETC Sensor Dimmers ED15AF 3KW / 230V 96
Available dimmers for incoming lighting rigs 93
(3 dimmers used for worklights and houselights)
**Lighting Fixtures**

Fixed Basic Rig Black Box consists of:

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Model</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>SELECON</td>
<td>1.2KW PC</td>
<td>9</td>
</tr>
</tbody>
</table>

*Note

The Selecon 1.2KW PCs are part of our permanent lighting fixture for the venue. Any change to their focus or position must be restored at the end of your performance. The extra charges for the manpower required for the restore will be borne by hirer.

**Profile/ Leko**

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Model</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETC Source</td>
<td>4 Jr Zoom Spot 25°-50° 575W</td>
<td>10</td>
</tr>
<tr>
<td>ETC Source</td>
<td>4 Jr Fixed Spot 26° 575W</td>
<td>10</td>
</tr>
<tr>
<td>ETC Source</td>
<td>4 Jr Fixed Spot 36° 575W</td>
<td>10</td>
</tr>
<tr>
<td>ETC Source</td>
<td>4 Jr Fixed Spot 50° 575W</td>
<td>10</td>
</tr>
</tbody>
</table>

**Par**

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Model</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETC Source</td>
<td>Par MCM MFL 575W with Barndoors</td>
<td>15</td>
</tr>
<tr>
<td>Thomas</td>
<td>Par 16(Birdie) 230V, 50W, MFL (36°-40°)</td>
<td>6</td>
</tr>
</tbody>
</table>

**Fresnel**

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Model</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETC Source</td>
<td>Parnel, 24°-47°,750W with Barndoors</td>
<td>10</td>
</tr>
<tr>
<td>Selecon</td>
<td>Fresnel 7°-50° 1.2KW with Barndoors</td>
<td>20</td>
</tr>
</tbody>
</table>

**Others**

<table>
<thead>
<tr>
<th>Model</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martin Atomic</td>
<td>3000 strobe</td>
</tr>
<tr>
<td>Martin Jem ZR</td>
<td>24/7 hazer</td>
</tr>
</tbody>
</table>

*$25.00 per day per haze machine

**SUPPLIED ACCESSORIES**

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Round Base Lighting Booms (2m ht, 0.6m diameter)</td>
<td>4</td>
</tr>
<tr>
<td>Floor mount</td>
<td>10</td>
</tr>
<tr>
<td>M size Iris Diaphragm for zooms &amp; fixed spot</td>
<td>40</td>
</tr>
<tr>
<td>M size gobo holder</td>
<td>40</td>
</tr>
</tbody>
</table>
### DC Colour Filters List

<table>
<thead>
<tr>
<th></th>
<th>L Colour</th>
<th></th>
<th>R Colour</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>L010 Medium Yellow</td>
<td>26</td>
<td>L135 Deep Golden Amber</td>
<td>51</td>
</tr>
<tr>
<td>2</td>
<td>L061 Mist Blue</td>
<td>27</td>
<td>L136 Pale Lavender</td>
<td>52</td>
</tr>
<tr>
<td>3</td>
<td>L101 Yellow</td>
<td>28</td>
<td>L137 Special Lavender</td>
<td>53</td>
</tr>
<tr>
<td>4</td>
<td>L102 Light Amber</td>
<td>29</td>
<td>L138 Pale Green</td>
<td>54</td>
</tr>
<tr>
<td>5</td>
<td>L103 Straw</td>
<td>30</td>
<td>L139 Primary Green</td>
<td>55</td>
</tr>
<tr>
<td>6</td>
<td>L104 Deep Amber</td>
<td>31</td>
<td>L141 Bright Blue</td>
<td>56</td>
</tr>
<tr>
<td>7</td>
<td>L105 Orange</td>
<td>32</td>
<td>L142 Pale Violet</td>
<td>57</td>
</tr>
<tr>
<td>8</td>
<td>L106 Primary Red</td>
<td>33</td>
<td>L143 Pale Navy</td>
<td>58</td>
</tr>
<tr>
<td>9</td>
<td>L109 Light Salmon</td>
<td>34</td>
<td>L147 Apricot</td>
<td>59</td>
</tr>
<tr>
<td>10</td>
<td>L110 Middle Rose</td>
<td>35</td>
<td>L151 Gold Tint</td>
<td>60</td>
</tr>
<tr>
<td>11</td>
<td>L111 Dark Pink</td>
<td>36</td>
<td>L152 Pale Gold</td>
<td>61</td>
</tr>
<tr>
<td>12</td>
<td>L115 Peacock Blue</td>
<td>37</td>
<td>L153 Pale Salmon</td>
<td>62</td>
</tr>
<tr>
<td>13</td>
<td>L116 Medium Blue-Green</td>
<td>38</td>
<td>L154 Pale Rose</td>
<td>63</td>
</tr>
<tr>
<td>14</td>
<td>L117 Steel Blue</td>
<td>39</td>
<td>L156 Chocolate</td>
<td>64</td>
</tr>
<tr>
<td>15</td>
<td>L118 Light Blue</td>
<td>40</td>
<td>L158 Deep Orange</td>
<td>65</td>
</tr>
<tr>
<td>16</td>
<td>L119 Dark Blue</td>
<td>41</td>
<td>L161 Slate Blue</td>
<td>66</td>
</tr>
<tr>
<td>17</td>
<td>L120 Deep Blue</td>
<td>42</td>
<td>L162 Bastard Amber</td>
<td>67</td>
</tr>
<tr>
<td>18</td>
<td>L121 Lee Green</td>
<td>43</td>
<td>L164 Flame Red</td>
<td>68</td>
</tr>
<tr>
<td>19</td>
<td>L122 Fern Green</td>
<td>44</td>
<td>L165 Daylight Blue</td>
<td>69</td>
</tr>
<tr>
<td>20</td>
<td>L124 Dark Green</td>
<td>45</td>
<td>L174 Dark Steel Blue</td>
<td>70</td>
</tr>
<tr>
<td>21</td>
<td>L126 Mauve</td>
<td>46</td>
<td>L180 Dark Lavender</td>
<td>71</td>
</tr>
<tr>
<td>22</td>
<td>L128 Bright Pink</td>
<td>47</td>
<td>L181 Congo Blue</td>
<td>72</td>
</tr>
<tr>
<td>23</td>
<td>L130 Clear</td>
<td>48</td>
<td>L182 Moon-Light Blue</td>
<td>73</td>
</tr>
<tr>
<td>24</td>
<td>L132 Medium Blue</td>
<td>49</td>
<td>L191 Cosmetic Aqua Blue</td>
<td>74</td>
</tr>
<tr>
<td>25</td>
<td>L134 Golden Amber</td>
<td>50</td>
<td>L195 Zenith Blue</td>
<td>75</td>
</tr>
</tbody>
</table>

L = LEE
R = ROSCO.
OTHER SUPPORTING FACILITIES

A shared Laundry Room is located at Level 5. It is equipped with 2 washers, 2 dryers, an iron and an ironing board.

DRESSING ROOMS (LEVEL 5)

Dressing Room 7 15 pax
Dressing Room 8 15 pax