

## Technical Information

### **BLACK BOX**

#### TABLE OF CONTENTS

##### STAGING

*Page*

- 2 Loading Area  
Stage Specifications
- 3 Rigging  
Specifications  
Accessories

##### SOUND

*Page*

- 4 System & Inventory  
Power
- 5 Microphones & Accessories
- 6 Distribution & Other Features

##### LIGHTING

*Page*

- 7 Production Lighting
- 8 Inventory  
Supplied Accessories

##### Other

*Page*

- 10 Other Supporting Facilities  
Dressing Rooms

## BLACK BOX STAGING TECHNICAL SPECIFICATIONS

### Black Box

### Level 5

Retractable bleachers in an end-stage configuration  
Seating Capacity  
Free seating

120 seats

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  
Dock Height from floor  
Loading Bay Opening

4.2m  
0.48m  
Width 4.2m, Height 2.7m

Door to Black Box Backstage

Width 1.40, Height 2.20m

Loading Goods Lift (Shared)

Height  
Width  
Depth  
Loading

3m  
2.6m  
5.8m  
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/m<sup>2</sup>

#### 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)
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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**

Hirer to bring their own playback device e.g. laptop.

#### **PROCESSING**

Klark Teknik DN 6000 Graphic Equalizers 2

#### **STANDARD RIG**

Front of House Speakers are rigged at a default location, piped down 1.1metres 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
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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
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Situated Downstage Right	230 Volt 50 Hz 16 amp 1 phase C-form outlet with Isolated earth.	1
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## **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
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### **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	4
Sennheiser MD 421	2
Sennheiser e906	2
SHURE Beta WB 98 H/C	2
SHURE Beta 52 A	2
Beta 98 AD/C	5

### **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**

Intercom & Accessories	ClearCom Matrix System Single ring intercom belt packs Heavy-duty single ear headsets Lightweight single ear headsets
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*\* The Black Box Intercom System is set on a single ring and all operators are provided with Intercom Sets*

### **PAGING AND RELAY**

Paging System	Programmable Paging System exists for Dressing Rooms and Corridors
Audio Show Relay	Show Relay is routed to dressing rooms and corridors
Video Monitors & Accessories	1 x 21" Video Monitor with static view of performance (Control Room)
Latecomers Video Show Relay	Live video and audio are relayed to TV monitors located at the foyer

### **ADDITIONAL INFORMATION**

Cable Run (Grid to Control Room)	20 Meters
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## **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
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### **CONSOLE**

Computerized Lighting Control	GrandMA2 Full Size
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### **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 (3 dimmers used for worklights and houselights)	93

**Lighting Fixtures**

Fixed Basic Rig Black Box consists of:  
SELECON 1.2KW PC

9

**\*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**

ETC Source 4 Jr Zoom Spot 25 <sup>0</sup> -50 <sup>0</sup> 575W	10
ETC Source 4 Jr Fixed Spot 26 <sup>0</sup> 575W	10
ETC Source 4 Jr Fixed Spot 36 <sup>0</sup> 575W	10
ETC Source 4 Jr Fixed Spot 50 <sup>0</sup> 575W	10

**Par**

ETC Source 4 Par MCM MFL 575W with Barndoors <i>(VNSP, NSP, WFL lenses available; 15 each)</i>	15
Thomas Par 16(Birdie) 230V, 50W, MFL (36 <sup>0</sup> -40 <sup>0</sup> )	6

**Fresnel**

ETC Source 4 Parnel, 24 <sup>0</sup> -47 <sup>0</sup> , 750W with Barndoors	10
Selecon Fresnel 7 <sup>0</sup> - 50 <sup>0</sup> 1.2KW with Barndoors	20

**Others**

Martin Atomic 3000 strobe	1
Martin Jem ZR 24/7 hazer	1











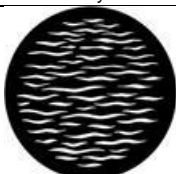


***\*\$25.00 per day per haze machine***

**SUPPLIED ACCESSORIES**

Round Base Lighting Booms (2m ht, 0.6m diameter)	4
Floor mount	10
M size Iris Diaphragm for zooms & fixed spot	40
M size gobo holder	40

Rosco M size Gobos				
				
1) Blossoms 77774 Qty: 4	2) Foliage Medium 77779 Qty: 4	3) Jungle Leaves 77126 Qty: 3	4) Leaf Breakup Small 77119 Qty: 4	5) Leaf Breakup Medium 77805 Qty: 4



 6) Realistic Leaves 79660 Qty: 4	 7) Palm 77730 Qty: 2	 8) Soft Breakup 77811 Qty: 2	 9) Louvre 77215 Qty: 2	 10) Venetian 77139 Qty: 2
 lightning 3 77628 Qty: 2	 Half Moon 77154 Qty: 2	 Starry Sky 71054 Qty: 2	 Cloud 15 79065 Qty: 4	 Stars 4 77752 Qty: 4
 water 4 77958 Qty: 2	 Flames 4 77960 Qty: 3	 Ripples Small 78129 Qty: 3		

#### DC Colour Filters List

1	L010	Medium Yellow	26	L135	Deep Golden Amber	51	L197	Alice Blue
2	L061	Mist Blue	27	L136	Pale Lavender	52	L200	Double C.T Blue
3	L101	Yellow	28	L137	Special Lavender	53	L201	Full C.T Blue
4	L102	Light Amber	29	L138	Pale Green	54	L202	C.T Blue
5	L103	Straw	30	L139	Primary Green	55	L203	1/4 C.T Blue
6	L104	Deep Amber	31	L141	Bright Blue	56	L204	Full C.T Orange
7	L105	Orange	32	L142	Pale Violet	57	L205	1/2 C.T Orange
8	L106	Primary Red	33	L143	Pale Navy	58	L206	1/4 C.T Orange
9	L109	Light Salmon	34	L147	Apricot	59	L241	Lee Fluorescent 5700
10	L110	Middle Rose	35	L151	Gold Tint	60	L250	1/2 White Diffusion
11	L111	Dark Pink	36	L152	Pale Gold	61	L344	Violet
12	L115	Peacock Blue	37	L153	Pale Salmon	62	L363	Special Medium Blue
13	L116	Medium Blue-Green	38	L154	Pale Rose			
14	L117	Steel Blue	39	L156	Chocolate	63	R33	No Colour Pink
15	L118	Light Blue	40	L158	Deep Orange	64	R63	Pale Blue
16	L119	Dark Blue	41	L161	Slate Blue	65	R114	Hamburg Frost
17	L120	Deep Blue	42	L162	Bastard Amber	66	R119	Light Hamburg Frost
18	L121	Lee Green	43	L164	Flame Red	67	R132	1/4 Hamburg Frost
19	L122	Fern Green	44	L165	Daylight Blue	68	R316	Gallo Gold
20	L124	Dark Green	45	L174	Dark Steel Blue			
21	L126	Mauve	46	L180	Dark Lavender			
22	L128	Bright Pink	47	L181	Congo Blue			
23	L130	Clear	48	L182	Moon-Light Blue			
24	L132	Medium Blue	49	L191	Cosmetic Aqua Blue			
25	L134	Golden Amber	50	L195	Zenith Blue			

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

