

Technical Specifications

Theatre

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1. GENERAL INFORMATION

1.1 Seating Capacity

Total Seating Capacity:	922 seats (including house seats)
Stall Seating Capacity:	527 seats (including house seats)
Circle Seating Capacity:	395 seats
Wheelchair Space:	6 Wheelchairs (3 on each side)
- House Left:	B5, E3 & E4
- House Right:	B26, E27 & E28

1.2 Equipment Set Up & Operation

All in-house equipment, including consoles, will be operated by Gateway Theatre staff. Concessions to this practice may be granted, under special circumstances, through prior consultation. Charges may apply to equipment set up and operation.

1.3 Electrical Safety

All electrical equipment brought into Gateway Theatre must conform to local codes, be of good quality, and in good repair. Suspect equipment will be subject to an Electrical Safety Test and the Gateway Theatre reserves the right to disallow its use.

Power connections, to isolators, are subject to inspection by a Licensed Electrical Worker (LEW) and ELCB and overload protection are to be supplied by the User.

1.4 Power Supply

Local Power Supply:	230v, single-phase, 50Hz
Standard overhead fixture connector:	32A, 3-phase
	16A, single-phase
Standard Domestic Connector:	13A, Type G (British)
<i>Note: Usage of available wall points are subjected to approval. All equipment which are brought in by Hirers MUST be used together with MELCB - 13A</i>	

1.5 Workplace Health & Safety

All in-house equipment, including consoles, will be operated by Gateway Theatre staff. Concessions to this practice may be granted, under special circumstances, through prior consultation. Charges may apply to equipment set up and operation.

2. AUDIO

Click on product names for more technical information.

2.1 Mixing Console

Allen & Heath DLive S7000 with 64 Input Channels (FOH)

2.2 Playback

Radial J48 Stereo DI Box (3.5mm)	Level 2 FOH Booth
Radial USB Pro Stereo DI Box (USB-A)	

Note: One compatible DI box will be used for the playback device. Please check with Production Coordinator if more than one playback source is required.

2.3 Standard Rig

JBL VTX A8 Line Array Loudspeakers	Proscenium Left & Right, 14 per side
JBL VTX B18 Subwoofers	Proscenium Left & Right, 4 per side

JBL VRX928LA front-fill Loudspeakers	Recessed into proscenium & apron
JBL VRX928LA-WH delay speakers	Ceiling mounted
EAW Redline15 Speakers (Stage Monitors)	Flown at stage wings*, 4 per side
*Additional floor monitors may be set up as required, please check with Production Coordinator	

Note: All expenses related to modifying, removing and/or restoring the House Rig, where possible, are to be borne by the hirer. Please check with Production Coordinator for more information.

2.4 Microphones*

Shure AXT200 wireless Handheld microphones with Beta 58A/ Beta 87A Capsule	6
Shure AXT100 Wireless Bodypack Transmitter with TH53T/ O-MTQG, omnidirectional headworn microphone	6

*Note: The total number of wireless handheld and headworn microphones that can be used at any one time is **10** units. Please discuss with the Production Coordinator if there are additional requirements/ requests. Gateway Theatre also has additional units of various microphones and transducers, which may be requested. Units requested are subject to availability. Do check with your Production Coordinator for more information.*

2.5 Stage Communication

ClearCom FreeSpeak II Wireless Intercom	8
CC-300 Single-Ear Standard Headset	8

2.6 Relay System

Audio Show Relay – dressing rooms, lift lobby, foyer (where applicable)	B1 dressing rooms, lift lobby, foyer
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Please check with Production Coordinator for more information.

3. VIDEO*

Click on product names for more technical information.

3.1 Projector

Panasonic 4K DLP Laser Projector	Level 2 FOH Booth
- 3840 x 2400 pixels	
- 30.5K Lumens	
- HDMI playback connection	

The recommended default resolution for videos/ graphics content is at least 1920 x 1080, with a 16:9 screen ratio. Hirers are to provide all content for video/ graphics and their own playback device to be connected via HDMI cable. If there are more than one input source, hirer will have to provide their own video switcher.

3.2 Video Switcher

Sony MCS-8M Compact SD / HD audio and video switcher
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4. LIGHTING*

Click on product names for more technical information.

4.1 Production Lighting

Gateway Theatre has a range of Moving Heads, Conventional lighting and LED fixtures. Please refer to the latest lighting plan. This information is subject to change without prior notice. Hirers are urged to ensure they are in possession of the most recent documentation. Specific requirements must be verified on a show-to-show basis.

4.2 Data Distribution

Interface: DMX 512 & ACN

4.3 Lighting Console

GrandMA2 Light Level 2 FOH Booth

4.4 House Lights

General House Light (Dimmable): 5 default settings

4.5 Dimmers

State Automation (SA): 400A
Individual Dimmer: 3kw / 230V
Available Dimmers for Incoming Lighting Rig: 144

4.6 Effects*

Tour Hazer II "SF" Black Haze Machine 2
Smoke Factory Captain D Smoke Machine 1

4.7 Standard Rig

The Theatre has a pre-rigged Standard Lighting Rig. Modifications to the standard rig may incur additional costs. Please check with Production Coordinator for more information.

<u>Fixture</u>	<u>Standard Rig</u>
- FINE 800 SF Followspot*	3
- Ayrton Ghibli LED Moving Spot	19
- Martin Mac Aura XB LED Moving Wash	20
- Martin Mac Viper XIP LED Moving Spot	5
- Martin ERA 600 LED Moving Spot	6
- FINE 400FS LED Tungsten Fresnel	4
- FINE 400T 36° LED Tungsten Leko	3
- FINE 300C 26° LED RGBAL Leko	6
- Robert Juliat 671 SX 11-26°	10

4.8 Gobos & Colour Gels

Gateway has a ready stock of Gobos and colour gels. Please check with the Production Coordinator for the latest Gobo stock and Colour Gel list. Changes may be made without prior notice.

5. STAGING

Click on product names for more technical information.

5.1 Loading Area

Loading dock Entrance Clear Height: 3.9m
Dock Height from Floor: 1m
Loading Dock Door Dimensions: 5m (L) x 3m (H)

5.2 Stage Specifications

5.2.1 Proscenium Opening

Proscenium Opening:	11m
Proscenium Height:	8m

5.2.2 Stage Floor

Material:	Marine Ply
Thickness:	50mm
Loading of Stage Floor:	5kN per square metre

5.2.3 Main Stage & Apron

Stage Dimension:	25.001m (W) x 10.905m (D)
Main Performance Area:	11m (W) x 9m (D) without apron 11m (W) x 11m (D) with apron

5.2.4 Width from Centreline

Centreline Onstage to Side Stage Wall Left:	Approx. 12m
Centreline Onstage to Side Stage Wall Right:	Approx. 11.5m

5.2.5 Wing Space

Stage Left (loading door to cable drain)	8.42m(W), 5.40m(D)
Stage Right (wall to cable drain)	4.80m(W), 5.74m(D)

5.3 Rigging Specifications

5.3.1 Fly Linesets

Control System:	SBS Nordec (Stage Right & Grid)
Quantity:	33 scene bars
Length of bar:	14m
SWL per bar:	500kg (uniformly distributed)
Speed:	Variable, in 3 steps. Max step 3: 1.2m/sec.
Maximum Fly Height:	16m
Side Ladder Bars:	1 per side (Bar 34 & 35)
Advance Bar:	1 in front of proscenium (Bar 36)
MCV/TCV:	House Curtain (Between Bar 1 & 2) Traverse

*Note: Suspension of any equipment other than in-house stock is subject to prior approval.
Please check with Production Coordinator for more information.*

5.4 Gala Lift

SWL:	Location: Upstage Centre 500KG
Control Location:	Stage Right
Basement to stage level:	3.60m
Speed of move:	3m/min (Time required to move between basement & stage level: 1min 54s)
Size of Gala lift platform:	3m (W) x 2.5m (D) (If CYC/ Full Black is raised, depth will be full 3m)

Note: additional manpower costs may be incurred for the operation of Gala lift; please discuss with Production Coordinator.

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5.5 Draperies

Item	Dimensions (Width x Drop)	Colour	Description	Quantity
House Curtain	7.5m x 8.2m	Black	Velvet Velour (50% fullness)	1 set
House Border	14m x 8.85m	Black	Wool Serge	1
Border	14.1m x 6m	Black	Wool Serge	4
Legs	1.5m x 8.6m	Black	Wool Serge	8
Germans	5.8m x 8m (Stage Left)	Black	Wool Serge	2
(sliders on rail)	8.3m x 8m (Stage Right)			
Full Black	14.1m x 8.2m	Black	Wool Serge	1
CYC	14.1m x 8.2m	White	100% PVC <i>* may be used as projector screen</i>	1
Black / White Gauze	14.1m x 8.2m	Black / White	Sharkstooth Gauze <i>* may be used as projector screen</i>	1 each
Traveller	7.5m x 8.65m	Black	Wool Serge	1

5.6 Dance Mats*

Harlequin DUO Plus (Black) 14m (L) x 2m (W) per roll

5.7 Riser Platform*

Nivoflex Platform 20 (subject to availability)
 Surface Dimension: 2000mm (L) x 1000mm (D)
 Surface Material: Plywood
 Overlay: Carpeted Black
 Platform Height (Adjustable): 150mm, 400mm, 600mm, 800mm

6. OTHER INFORMATION

6.1 Production & Dressing Rooms (Basement, from Stage Right to Stage Left)

Production Room	5090mm (L) x 2890mm (W) x 2590mm (H)
Dressing Room 3	3860mm (L) x 4630mm (W) x 2600mm (H)
- Furnished with 16 lockers; each locker is 30mm (W) x 320mm (D) x 460mm (H)	
Green Room	3050mm (L) x 4520mm (W) x 2610mm (H)
Dressing Room 1	2920mm (L) x 2200mm (W) x 2550mm (H)
- With attached toilet and shower room	
Dressing Room 2	2920mm (L) x 2340mm (W) x 2600mm (H)
- With attached toilet	
Dressing Room 4	2260mm (L) x 4070mm (W) x 2600mm (H)
- Furnished with 8 lockers; each locker is 280mm (W) x 270mm (D) x 460mm (H)	
- Furnished with 4 shelves; each shelf is 560mm (W) x 290mm (D) x 410mm (H)	
Dressing Room 5	3500mm (L) x 4630mm (W) x 2590mm (H)
- Furnished with 16 lockers; each locker is 30mm (W) x 320mm (D) x 460mm (H)	