

# Technical Specifications

## Black Box

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# Technical Specifications

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### 1. GENERAL INFORMATION

#### 1.1 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.

#### 1.2 Electrical Safety

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

#### 1.3 Power Supply

Local Power Supply:	230 volt single-phase
Standard overhead fixture connector:	32 amp 3-phase 16 amp single-phase
Standard household connector:	13 amp
Additional power:	120A 3-phase DB
Stage Level Power (Stage Right):	6 x 16A 2 x 32A 3-phase 1 x ACN port
Stage Level Power (Stage Left):	3 x 16A 2 x 32A 3-phase 1 x ACN port 1 x DMX port

*Note: All equipment which are brought in by Hirers MUST be used together with MELCB - 13 AMP*

### 2. AUDIO & VIDEO

*Click on product names for more technical information.*

#### 2.1 Standard Rig

Front of House speakers comprise of 04 x EAW Redline 15 Loudspeakers hung as a 4-point source speaker cluster at both Stage Left & Right. 02 x EAW Redline 18S Subwoofers hung at the Centre complete the standard FOH rig. All speakers are hung on a single truss above the downstage portion of the default performance area. All expenses related to modifying, removing and/or restoring the standard rig are to be borne by the hirer. Please check with the Production Coordinator for more information.

#### 2.2 Monitors

EAW MicroWedge MW12 Floor Monitors 2 units

*Note: maximum 4 units; subject to availability and chargeable from 3<sup>rd</sup> unit onwards.*

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### 2.3 Microphones\*

#### Wireless system (Wireless Handheld or Headworn)

Gateway Theatre will provide up to a total of 04 x wireless handheld or headworn microphones, in any combination (i.e. 02 x handheld + 02 x headworn, 01 x handheld + 03 x headworn, etc).

#### **Handheld:**

Shure ULXD2 Handheld Microphone Transmitter, 6  
 with Beta58A Capsule

#### **Headworn:**

Shure ULXD1=G51 Wireless Bodypack Transmitter, 4  
 with Shure WBH53T

#### **OR**

Shure ULXD1=G51 Wireless Bodypack Transmitter, 6  
 with **TH53T/ O-MTQG**, omnidirectional headworn microphone

Do consult with the Production Coordinator should you require more in-house wireless microphones\*.

Gateway Theatre can also provide a standard quantity of dynamic/ condenser microphones, DI boxes, etc. Units may be requested subject to availability\*.

### 2.4 Mixing Console

Allen & Heath DLive S5000 with 48 Input Channels 1 unit, located in Level 9 Control Bridge  
 (access via Control Room)

### 2.5 Playback

Tascam SS CDR 200 (Single) 1 unit, located in Level 9 Control Bridge  
 (access via Control Room)

### 2.6 Stage Communication

Intercom & Accessories

(Maximum of 05 units, does not include GT's own operators. Additional units may be requested\*)

- CC-300 Single-Ear Standard Headset 5 units
- ClearCom Freespeak II Wireless Intercom 5 units

### 2.7 Relay System

Gateway Theatre can provide both Audio and Video show relays to various locations. Please check with the Production Coordinator for more information.

### 2.8 Video Equipment\*

UNILUMIN UGM2 indoor P2.9mm 6m (W) X 3.5m (H)  
 - Screen resolution up to W2016 x H 1176  
 - Processor: UVP3000  
 - Refresh Rate: 3840Hz

Default configuration allows for 01 x HDMI input at the Control Booth. Hirer to provide laptop and operator for running of video graphics. For optimal quality, all contents for graphics should have a resolution of at least 1920x1080 with a 16:9 aspect ratio. Video clips are to be in mov or mp4 formats.

Additional inputs can be catered for, however there may be additional charges involved. Please consult Production Coordinator for more details.

Video Switcher

Blackmagic ATEM Television Studio Pro 4K

\* Rental & Manpower Charges May Apply

Please check with the Production Coordinator for the latest updates.

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### 3. LIGHTING\*

*Click on product names for more technical information.*

#### 3.1 Production Lighting

Gateway Theatre's Black Box comes with a standard lighting rig. Please check with your production coordinator for the latest version. Changes and/or upgrades may be made from time to time, and hirers are responsible to ensure they have the most recent information.

Please note that any modifications to the standard rig may incur additional time and manpower, to be borne by the hirer. This also applies to the reinstatement of the standard rig should any changes be made. Please check with your Production Coordinator for more information.

<u>Fixture</u>	<u>Standard Rig</u>
- Martin ERA 600 LED Moving Spot	18
- Martin Mac Aura XB LED Moving Wash	20
- FINE 400T 36° LED Tungsten Leko	12
- FINE 400FS LED Tungsten Fresnel	8

Shared Inventory (subject to availability):

Gateway Theatre also has a floating inventory of lighting equipment that may be used, please check with your production coordinator for the latest list. Do note that these are subject to availability, and rental and/or manpower charges may apply.

#### 3.2 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.

#### 3.3 Data Distribution

Interface: DMX 512 & ACN

#### 3.4 Lighting Console

GrandMA2 Light  
1 unit, located in Level 9 Control Bridge (access via Control Room)

#### 3.5 Work Lights

General Work Flood Light (Non-Dimmable): 1 Standard Setting

#### 3.6 Dimmers

Strand WALLRACK Dimmer Panel:  
 Individual Dimmer: 24-ch x 2.5kW  
 Available Dimmers for Incoming Lighting Rig: 6-ch

#### 3.7 Others\*

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

\* Rental & Manpower Charges May Apply

Please check with the Production Coordinator for the latest updates.

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# Technical Specifications

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### 4. STAGING

*Click on product names for more technical information.*

#### 4.1 Retractable Bleachers

Stage Configuration:

- 207 seats / 9 Rows (Default configuration)

Stage dimensions: 14.9m (W) x 8.6m (D)

(Edge of bleachers to rear perimeter curtain)

- Free Standing\*\* (200)

Stage dimensions: 14.9m (W) x 15.4m (D)

**\*\* Notes:**

*Standard seating configuration is 207 seats. Additional charges apply for any other seating configuration, please discuss with the Production Coordinator for more information.*

*Wheelchair Spaces are available; please check with the Production Coordinator on suitable quantities/locations.*

*All measurements are from wall to wall.*

*Above measurements exclude minimum safety distance (1.5m) clearance from the audience.*

#### 4.2 Stage Floor

Material:

Thick Red Oak

Thickness:

50mm

Loading of Stage Floor:

5kN/m<sup>2</sup>

#### 4.3 Rigging Specifications

Truss suspended from chain hoist.

7m (under truss)

Standard Height from Stage Floor

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

#### 4.4 Draperies

Black Wool Serge:

16 pieces

Black Wool Serge drape surrounds the perimeter on fixed traveler tracks (4.2m Width x 6m Drop – Top portion is netting & bottom portion is full drapes)

#### 4.5 Dance Mats\*

Harlequin DUO Plus (Black)

14m (L) x 2m (W) per roll

#### 4.6 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, 1000mm

**\* Rental & Manpower Charges May Apply**

Please check with the Production Coordinator for the latest updates.

### 5. OTHER INFORMATION

#### 5.1 Loading Area

Black Box loading area is accessed via service lift located along Bukit Merah Central. (Service lift is shared by all levels)

Dock Height from Floor:	3.2m
Service Lift Dimensions:	2.5m(L) x 2.3m(H) x 2.6m(D)
Lift Weight Loading:	4.6 Tonnes

#### 5.2 Dressing Rooms

Dressing Room 1 is located at level 8 & Dressing Rooms 2 & 3 are located on level 9 (accessible via staircase only).

	<u>Recommended Max Capacity</u>	<u>Dimensions</u>
Dressing Room 1	08	2910mm (W) x 3260mm (L)
Dressing Room 2	11	2635mm (W) x 5355mm (L)
Dressing Room 3	11	2520mm (W) x 4360mm (L)