



kingston**arts**  
www.kingstonarts.com.au

# kingston**city**hall

## **Technical Specifications**

July 2019

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## **STAGE**

### **Brief Stage Description:**

Slightly raked stage with parquetry flooring finished in matt black.  
Screwing into surface is not permitted due to concrete base.  
Stage crossover located behind US tabs or US wall.

### **Stage Dimensions:**

#### **Proscenium**

<b>Width</b>	13.6 Meters
<b>Height</b>	05.8 Meters

#### **Setting Line**

The setting line is located 20cm US of the proscenium.

#### **Distance From** (*SL = Setting Line, CL = Centre Line*)

SL to DS edge of apron	3.5 m
SL to first LX Bar	310 mm
SL to last LX Bar	4.15 m
SL to rear wall	4.93 m
CL to OP wall (or obstruction)	7.9 m
CL to PS wall (or obstruction)	7.9 m
Stage to underside of roof	6.8 m @ LX2 (raked roof)

### **Auditorium:**

Main floor level is a flat, polished parquetry surface. All seating is set-up according to standard plans, and consists of individual chairs.

Seating capacity **1,000**

### **Flying Facilities:**

#### **Fly System**

All lines are dedicated LX Bars. 2 Motor Winch bars FOH and 3 hand winch bars over stage.

#### **Fly System Details**

Operating Position	<b>FOH: PS – Behind Proscenium</b> <b>Onstage: OP – Behind Proscenium</b>
Total number of Lines	<b>5</b>

**Hanging Plot:**

*SL: Setting Line as indicated previously*

*Line Type: SP = Single purchase, DP = Double purchase, MW = Motor Winch, HW = Hand Winch, HL = Handline*

*W.L.L.: Maximum distributed "Working Load Limit" including bar weight*

Line #	Distance from SL	Line Type	WLL	Venue Allocation
FOH 1	4500 mm	MW	300 Kg	FOH 1 (LX)
FOH 2	8600 mm	MW	300 Kg	FOH 2 (LX)
LX 1	310 mm	HW	200 Kg	LX 1
LX 2	2100 mm	HW	200 Kg	LX 2
LX 3	4150 mm	HW	200 Kg	LX 3

**Drapery:**

*Type	Material	Colour	Width	Height	Quantity
House Curtain	Velvet	Ruby Red	18.2 m	6.6 m	1
Borders	Velvet	Ruby Red	18.2 m	1.5 m	1
	Wool	Black	18.2 m	1.5 m	2
Legs	Wool	Black	3 m	6.3 m	4
US Tabs	Wool	Black	18.2 m	6.3 m	1

**Access Equipment:**

**EWP Restrictions**

Due to access restrictions an EWP may not be bought into the venue.

**Ladders**

- 1 x 1.8m Fibreglass A frame
- 1 x 2.4m Fibreglass A frame
- 1 x 3.35m Fibreglass A frame

**Staging Units:**

10 x 1.2 x 2.4m risers are available for hire                      300mm or 600mm high

**Loading Dock:**

**Access**

Truck access via car park off south rd. Truck is able to reverse up to goods lift at right angles. Goods lift load limit is

Goods Lift Door            **1290 mm W x 2000mm H x 2320 (diagonal) x 3170 mm Deep**  
Dimensions

Loading Dock Door    **1350 mm W x 2000mm H x 2400 mm (diagonal)**  
Dimensions (top of  
stairs)

**Restrictions / Obstructions**

Trucks must park at right angles to loading dock.

## **LIGHTING**

### **Positions:**

<b>Stage LX Bars</b>	Fixed positions
<b>FOH Bar #1</b>	
Setting Line to lighting bar	<b>4.5m from curtain line. Adjustable height.</b>
Usable bar width	<b>12.5m</b>
Notes	18 x LX Patch Points 600kG SWL
<b>FOH Bar #2</b>	
Setting Line to lighting bar	<b>8.6m from curtain line. Adjustable height.</b>
Usable bar width	<b>12.5m</b>
Notes	18 x LX Patch Points 600KG SWL
<b>LX1</b>	
Setting Line to lighting bar	<b>310mm</b>
Usable bar width	<b>12.0m</b>
Notes	17 x LX Patch Points, End Patch Points linked. 250KG SWL
<b>LX2</b>	
Setting Line to lighting bar	<b>2.1m</b>
Usable bar width	<b>12.0m</b>
Notes	17 x LX Patch Points, End Patch Points linked. 250KG SWL
<b>LX3</b>	
Setting Line to lighting bar	<b>4.15m</b>
Usable bar width	<b>12.0m</b>
Notes	17 x LX Patch Points, End Patch Points linked. 250KG SWL

### **Control:**

Lighting desk	<b>ETC ION XE 20 LSC Maxim XL with PATPAD section</b>
Control channels	<b>48/96 physical faders, with 1024 channels of DMX</b>
Signal output	<b>2 Universes of DMX512</b>
Signal distribution	<b>2 DMX patches at control position. 1 DMX at each of the 3 wall patch bays, 1 at each of the 3 floor traps, 1 PS, 1 OP, 2 on FOH 1 (LX bar) and 2 on FOH 2(LX bar). DMX cable is also run to LX1 and LX3 as part of the standard LX rig.</b>  <b>A Jands DD-8 DMX512 active splitter is available and is part of the venue's standard lighting rig.</b>

Remote riggers available onstage **NO**

Dimmer Racks:

Total Dimmers	<b>48</b>
Dimmer Locations	<b>All Dimmers are located in dimmer room, located PS</b>
2.4Kw Dimmer Racks	<b>4 x Bytecrafft Solution 12 wall mounted 12 channel dimmer racks (Digital)</b> <b>1 x Dyna-Lite 12 channel pro-pak dimmer racks (Digital) (By Request Only)</b>
Total dimmers @ 2.4kw per dimmer	<b>48</b>
5Kw Dimmer Racks	<b>0</b>
Total dimmers @ 5kw per dimmer	<b>0</b>

House Lights:

Independant control	<b>Overhead Fluoro system is independently controlled; QI flood system is controlled by LX desk.</b>
Control positions	<b>Fluoro: Dimmer room, control position, PS auditorium door.</b>
Fade time adjustable	<b>Fluoro: No, Snap</b> <b>QI Flood: Yes</b>

**Stage Luminare:****Profiles**

Make	Model	Angle	Detail / Accessories	Watt	Total
ETC	Source 4	15/30	Shutters, Gel Frame	750	<b>12</b>
Pro-lite	Narrow	16/28	Shutters, Gel Frame	650	<b>08</b>
Pro-lite	Wide	26/40	Shutters, Gobo Holders, Gel Frame	650	<b>09</b>
Pro-lite	Narrow	16/30	Shutters, Gel Frame	1000	<b>02</b>

**Fresnel's**

Make	Model	Detail / Accessories	Watt	Total
Selecon	Rama	Barn Doors	1200	<b>06</b>
Pro-lite		Barn Doors	650	<b>11</b>
Pro-lite		Barn Doors	1000	<b>06</b>

**Par Cans**

Make	Model	Angle	Detail / Accessories	Watt	Total
AVE StagePar - Hex18	LED	33	RGBAWUV	18 x 12	<b>18</b>
ProShop	LED	25	RGB	3 x 12	<b>14</b>
Par 56	Par 56	MFL	Gel Frame	300	<b>07</b>
Par 64	Par 64	MFL	Gel Frame	1000	<b>13</b>

**CYC**

Make	Model	Detail / Accessories	Watt	Total
Pro-Lite	4 cell flood	Gel Frame	500	<b>04</b>

**Movers**

Make	Model	Control Channels	Detail / Accessories	Watt	Total
Robe	Spot 250XT	16	Moving Head/Yoke	250	<b>04</b>

**Followspot**

Make	Model	Angle	Detail / Accessories	Watt	Total
Proel				575	<b>01</b>

**Additional Lighting**

Item	Make	Model	Detail / Accessories	Watt	Total
Mirror Ball		300mm D	Motor		<b>1</b>
Mirror Ball		500mm D	Motor		<b>1</b>
Pin spot				30	<b>3</b>

Patching:

Location	Quantity	Numbering (PS to OP)	Detail / Accessories
FOH 1	18	19-36	Please note, FOH LX bars are separately patched to Onstage LX bars, numbers that match onstage bars are NOT the same patch.
FOH 2	18	1-18	Please note, FOH LX bars are separately patched to Onstage LX bars, numbers that match onstage bars are NOT the same patch.
LX 1	17	17-1	Duplicate "1" @ PS
LX 2	17	18-34	Duplicate "18" @ OP
LX 3	17	35-51	Duplicate "35" @ OP
DSP Trap	2	43-44	Floor LX
DSC Trap	2	41-42	Floor LX
DSOP Trap	2	39-40	Floor LX
Operating Position	2	37-38	Floor LX/Followspot feed

Power:

**3 Phase Outlets**

- 4 x 32amp - Dimmer Room
- 1 x 32amp - PS
- 1 x 32amp – PS (Green power/Audio Only)
- 1 x 32amp - OP (Green power/Audio Only)
- 1 x 32amp, 1 x 20amp - Auditorium storeroom, OP

Cabling:

**240v Extension Cable**

The centre has a good stock of extension leads to accommodate the venues own requirements, with limited additional cable.

**240v Looms**

The centre has no 240v looms available. These must be hired at hirers expense if required

**3 phase Extensions**

The centre has no 3 phase extensions available. These must be hired at hirers expense if required

Lighting Notes:

FOH must be bounced focused. Sufficient bump in time should be allowed for this process.

Venue's standard rig must be restored at the end of each hire period. Sufficient bump out time should be allowed for this process if the lighting rig is changed.

## AUDIO

### Control Positions:

#### **Auditorium**

Rear of auditorium, centred, raised. No seats pulled

#### **Other**

PS. For smaller console, or monitor engineer position only

### Control & Amplification:

#### **Primary Mixer:**

##### ***Midas Verona 480***

48 channels, 40 mono, 8 multi function inputs. 8 sub groups. 8 aux sends. 12x4 matrix

#### **Secondary Mixers:**

##### ***Allen and Heath SQ6***

48 Channels, 36 bus, 12 stereo mixes (Aux or group), 3 stereo matrix, 8 x stereo FX

##### ***Soundcraft GB4***

30 Channels, 2 stereo inputs, 2 stereo returns, 4 sub-groups, 8 Aux sends, 7x4 matrix

##### ***Allen and Heath Zed22FX***

16 XLR input channels, 3 stereo channels, 3 Aux sends, built in effects

##### ***Soundcraft EFX8***

8 XLR input channels, 2 stereo channels, 2 Aux sends, built in effects

### **Amplifiers**

#### **Grand Hall:**

- 1 x Crown XLS402 400w + 400w @ 4-ohm Stereo – High Left and Right
- 1 x Crown XLS602 600w + 600w @ 4-ohm Stereo – Mid Left and Right
- 1 x Crown XS1200 1100w + 1100w @ 4-ohm Stereo – Low Left and Right
- 1 x Crown XLS602 600w + 600w @ 4-ohm Stereo – Hall delay Left and Right
- 1 x Camco Tecton 38.4 1900w @ 4-ohm Stereo – Subwoofer Left and Right

#### **Alcove:**

- 1 x Crown XLS602 600w + 600w @ 4-ohm Stereo – Alcove

### **EQ**

- 1 x Klark Teknik DN370 Dual 31 band graphic EQ (FOH)
- 4 x dbx 1231 Dual 31 band graphic EQ (Monitors Rack)
- 1 x dbx 231 Dual 31 band graphic EQ (Effects Rack @ FOH)

### **FX**

- 2 x TC Electronics M-One Multi effects processors

### **Compression / Limiter / Gates**

- 4 x DBX 266XL Compressor/Gate (2 channels of compression/gate per unit)

### Speakers:

#### **FOH Speakers**

##### **Grand Hall:**

- 4 x JBL AM6315/64, 3 way speaker cabinets (2 flown per side)
- 2 x JBL ASB6128V, dual 18" subwoofers (1 flown per side)
- 1 x JBL Control 29AV front Out fill

##### **Grand Hall Delay:**

- 2 x JBL Control 29AV

##### **Alcove:**

- 2 x JBL Control 29AV



**Foldback**

- 2 x RCF ART 715A Powered speakers
- 3 x RCF ART 312A Powered speakers
- 2 x RCF ART 300A Powered speakers
- 2 x RCF ART 310A Powered speakers
- 8 x Quest QM-12MP Passive Foldback Wedges
- 3 x Quest QM-600AS Powered Sub Woofer

**Playback:**

Item	Make	Model	Detail	Total
CD Player	Denon	DCD-595	Single CD Player	1
CD Player	Denon	DN – 4500	Twin CD Player	1
CD/Cassette Player	Tascam	CD-A500	CD/Cassette Player	1
Mini Disc Player	Tascam	MD-350	Mini Disc Player	1

**Microphones:**

Make	Model	Detail / Accessories	Use	Total
Shure	SM58	Clip	Vocal	12
Shure	Beta 58A	Clip	Vocal	3
Shure	SM57	Clip	Instrument/Vocal	14
Shure	Beta 58A RX	Wireless with SLX Beta 58A	Vocal	8
Shure	SM48	Clip	Vocal	2
Shure	MX202	Hanging Condenser Microphone	Choir/general coverage	6
Shure	MX418	Gooseneck Condenser Microphone	Lecturn Microphone	3
Sennheiser	MD421	Clip	Toms, Sax	2
Sennheiser	E935	Clip	Vocal	2
Sennheiser	E904	Drum Clip	Tom Mic	2
Audix	D6	Kick Drum Microphone	Kick Drum	1
Audio Technica	ATM250D (Dual Element)	Kick Drum Microphone	Kick Drum	1
Beyer Dynamic	M201	Dynamic Pencil Microphone	Hi hats/snare/overhead	2
Crown	CM-200A	Vocal Condenser Microphone	Vocal	1
Behringer	DI-100	Active DI Box	Direct Injection	12
AV-Jefe	AVL-680	Clip	Shotgun/OH	2
Rode	NT5	Clip	OH Instruments/Piano	4
Headsets				6

**Accessories:**

Item	Model	Detail / Accessories	Total
Tall Stand	3 Leg Base	With Boom Arm	32
Tall stand	Round base	Straight	4
Short Stand	Round Base	With Boom Arm	4
Desktop Short Stand	Round Base (small)	Straight	6

Line Patching:

Location	Quantity	Numbering	Detail
Operating Position	48	1-48	48 microphone lines from stage patch bay to operating position.
Line returns	8	FOH L, FOH R, Return 1-6	8 return lines from operating position to stage patch bay
USP Wall Box	14	1-12, 1-2	12 sends, 2 returns
USC Wall Box	14	1-12, 1-2	12 sends, 2 returns
USOP Wall Box	14	1-12, 1-2	12 sends, 2 returns
DSP Trap	6	1-4, 1-2	4 sends, 2 returns
DSC Trap	6	1-4, 1-2	4 sends, 2 returns
DSOP Trap	6	1-4, 1-2	4 sends, 2 returns
LX 1	3	MX202 PS/C/OP	3 lines run to LX 1 for MX202 hanging microphones.
LX 2	1	MX202 C	1 line run to LX 1 for MX202 hanging microphone.

Cabling:

**Audio Cable**

The venue has a good stock of cable to accommodate its in-house equipment.

**Multicore**

- 1x 30m 20lines, 16 sends 4 returns
- 1x 15m 36line audio snake for monitor split

Audio Notes:

FOH speakers are fixed and cannot be moved.

**AUDIO VISUAL**Projectors:

Type	Model	Detail / Accessories	Total
Panasonic Laser projector	PT-RZ970	10000 Lumens	1

Screens:**Projection Screen**

AV Stumpfl fast fold front projection screen. Usually rigged on LX 3. Back wall can also be used for widescreen projection.

Screen dimensions     **12' x 9'**

AV Playback Equipment:

Item	Model	Detail / Accessories	Total
DVD Player	Sony DVP-NS50P	DVD+RW/+R/-RW/-R Playback	1
Laptop PC	Lenovo	Audio, Video Power point, MS Office, ...	1

Projector Rigging Points:

Projector has a mounting assembly and can be rigged from any horizontal lighting bar.

Cabling:

The Venue has sufficient stock of cable to accommodate projection from the centre of FOH 1 or FOH 2.

Audio Visual Notes:

All A/V patching throughout the venue (with the exception of the dimmer room to FOH LX bars runs) is via CAT5 Cable. There are 2 CAT5 patches at the operating position, and one at each wall box and floor trap.

All cable runs are routed to the patch bay, where the signal is converted and sent via 10 coaxial cable strands to the projector.

There are 10 coaxial cables for each FOH LX bar

## **BACKSTAGE**

### **Communications:**

#### **Talkback**

Master Unit                      **Jands EziComm E-401 Master Station. (4 ring)**

Total sub stations            **6**

Total headsets                **6**

Radio Units In-house        **0**

Talkback patching located at: **Dimmer Room**

**PS**

**OP**

**Operating Position (2-5)**

**All patching is looped from FOH**

#### **Paging / Show relay**

There is no paging or show relay system to the dressing rooms.

#### **Stage Monitor**

There is no stage monitor in the dressing rooms.

#### **Q Light System**

In house Q light system available        **NO**

Dressing Rooms:

Dressing Room	Capacity	Toilets	Shower	Details
Female	2-3	1	No	
Male	1-2	1	No	

Laundry / Wardrobe:

Washing Machines	<b>N/A</b>
Dryers	<b>N/A</b>
Drying rooms	<b>N/A</b>
Iron / ironing board	<b>N/A</b>
Clothes racks	<b>4</b>

*Note that there laundry facilities are available at coin laundry located at train station behind the venue at hirers expense.*

Production Facilities:

**Production Office**

NO

**Phone**

NO

**Fax**

NO

**Internet access**

NO

Greenroom:

Tea / Coffee facilities	<b>At Hirers Expense</b>
Fridge / freezer	<b>YES</b>
Microwave	<b>NO</b>
Running water	<b>NO</b>

Stage Door:

**Access**

Stage door is located up the metal stairs next to the goods lift in carpark.

**VENUE:**

Venue Contacts:

Venue Address **979 Nepean Hwy, Moorabbin, VIC 3189**

Venue Postal Address **979 Nepean Hwy, Moorabbin, VIC 3189**

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Venue Plans:

**Venue Plan Available**

Yes, a PDF or Visio file can be emailed upon request.