



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

Kingston**city**hall

979-985 Nepean Hwy, Moorabbin, Vic 3189



Technical Specifications

2021

Operations Co-ordinator: Vince Healy

Phone number: (03) 9556 4413

Mobile Number: 0418 345 969

Fax number: (03) 9555 9603

Email address: vince.healy@kingston.vic.gov.au

Venue Hire Coordinator: Darren Whittingham

Phone Number: (03) 9556 4435

Mobile Number: 0407 846 559

Fax number: (03) 9555 9603

Email Address: darren.whittingham@kingston.vic.gov.au

Senior Technician: Rami Freiha

Phone Number: (03) 9556 4440

Mobile Number: 0455 689 004

Fax Number: (03) 9555 9603

Email address: rami.freiha@kingston.vic.gov.au

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

Width	13.6 Meters
Height	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	FOH: PS – Behind Proscenium Onstage: OP – Behind Proscenium
Total number of Lines	5

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) 1.8m Fibreglass A frame
- (1) 2.4m Fibreglass A frame
- (1) 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:

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

Control:

Lighting desk	(1) ETC ION XE 20 with 40 fader wing (1) LSC Maxim XL with PATPAD section
Control channels	50 physical faders, with 1024 channels of DMX 48/96 physical faders, with 1024 channels of DMX
Signal output	2 Universes of DMX512
Signal distribution	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. <ul style="list-style-type: none"> • Jands DD-8 DMX512 active splitter • Event Lighting DMX512 active splitter
Remote riggers available onstage	NO

Dimmer Racks:

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

House Lights:

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

Stage Luminare:**Profiles**

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

Fresnel's

Make	Model	Detail / Accessories	Watt	Total
Selecon	Rama	Barn Doors	1200	13
Selecon	Acclaim	Barn Doors	650	11

Par Cans

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

CYC

Make	Model	Angle	Detail / Accessories	Watt	Total
ProShop	LED	25	RGB	3 x 12	07

Movers

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

Followspot

Make	Model	Angle	Detail / Accessories	Watt	Total
Proel				575	01

Additional Lighting

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

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) 32amp - Dimmer Room
- (1) 32amp - PS
- (1) 32amp - PS (Green power/Audio Only)
- (1) 32amp - OP (Green power/Audio Only)
- (1) 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:

Item	Detail
Midas Verona 480	40 XLR input channels, 8 multi-function inputs, 8 sub-groups, 8 aux sends, 12+4 matrix

Secondary Mixers:

Item	Detail
Allen and Heath SQ6	48 channels, 24 XLR inputs, 12 stereo mixes (Aux/ group), 3 stereo matrix, 8 stereo FX
Soundcraft GB4	32 XLR input channels, 2 stereo inputs, 4 sub-groups, 8 Aux sends, 7+4 matrix
A & H Zed22FX	16 XLR input channels, 3 stereo channels, 3 Aux sends, FX
Proel M20	18 XLR input channels, 2 FX channels, 4 Aux sends
Soundcraft EFX8	8 XLR input channels, 2 stereo channels, 2 Aux sends, FX

Amplifiers:

Grand Hall FOH:

- (2) D&B 30D, 4 x 1600w @ 4-ohm (Left and Right channels)
- (1) D&B 10D, 4 x 700w @ 4-ohm (Stage Front Fill and Hall Delays)
- (1) Crown XLS602, 2 x 600w @ 4-ohm (Front Out Fill and Alcove)

Monitors:

- (2) Crown XLS2500, 2 x 775w @ 4-ohm
- (1) Quest 3004, 2 x 1100w @ 4-ohm
- (1) Yamaha P1250, 2 x 150w @ 4-ohm

EQ

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

FX

- (2) TC Electronics M-One Multi effects processors (FOH Rack)

Compression / Limiter / Gates

- (4) DBX 266XL Compressor/Gate (2 ch of compression/ gate per unit) (FOH Rack)

Speakers:

Grand Hall FOH Speakers:

- (8) D&B 10AL, 2 way Line Array modules (FOH, 4 flown per side)
- (4) D&B 10AL-D, 2 way Line Array modules (FOH, 2 flown per side)
- (4) D&B 18A, 18" subwoofers (FOH, 2 flown per side)
- (4) D&B 8S, 2 way Loudspeakers (Front Fill)
- (2) D&B 8S, 2 way Loudspeakers (Hall delays)
- (3) JBL Control 29AV (Front Out Fill and Alcove)

Foldback speakers:

- (8) Quest QM-12MP 500W 2 way Passive Speakers
- (2) RCF ART 715A 700W Bi-Amp Powered speakers
- (4) RCF ART 312A 400W Bi-Amp Powered speakers
- (2) RCF ART 300A 300W Bi-Amp Powered speakers
- (2) RCF ART 310A 350W Bi-Amp Powered speakers
- (4) Proel EX12MA 300W Wedge Powered Speakers
- (2) Proel EX12A 130W Powered Speakers

Subwoofers:

- (2) EV EKX-18SP 1300W Powered Sub Woofers
- (3) Quest QM-600AS 650W Powered Sub Woofers
- (5) Proel EX15SA 200W Powered Sub Woofers

Playback:

Item	Make	Model	Detail	Total
CD Player	Numark	MP103	CD + USB input playback	1
CD Player	Denon	DN-4500	Twin CD Player	1
CD/Tape Player	Tascam	CD-A500	CD/Tape Player	1

Microphones:

Make	Model	Detail / Accessories	Use	Total
Shure	SM58	Dynamic microphone, Clip	Vocal	12
Shure	Beta 58A	Dynamic microphone, Clip	Vocal	2
Shure	SM57	Dynamic microphone, Clip	Instrument mic	14
Shure	Beta 58A SLX TX/RX	Wireless with Handheld or Beltpack	Vocal	8
Shure	SM48	Dynamic microphone	Vocal	2
Shure	PG48	Dynamic microphone	Vocal	1
Shure	MX202	Hanging Condenser Microphone	Choir/ general coverage	5
Shure	MX418	Gooseneck Condenser Microphone	Lectern Microphone	3
Sennheiser	MD421	Dynamic microphone	Toms, Sax	2
Sennheiser	E935	Dynamic microphone	Vocal	2
Sennheiser	E904	Dynamic microphone, Drum Clip	Toms	2
Sennheiser	E385	Dynamic microphone	Vocal	1
Sennheiser	E604	Dynamic microphone, Drum Clip	Toms	2
Audix	I5	Dynamic microphone	Instrument	4
Audix	F50	Dynamic microphone	Vocal	3
Audix	D6	Dynamic microphone	Kick Drum	2
Audio Technica	ATM250D	Dual Element Dynamic/ Condenser	Kick Drum	1
Beyer Dynamic	M201	Dynamic Pencil Microphone	Hi Hats/Overhead	2
Crown	CM-200A	Vocal Condenser Microphone	Vocal	1
Behringer	DI-100	Active DI Box	Direct Injection	14
LA Audio	D12	Active DI Box	Direct Injection	1
AV-Jefe	AVL-680	Shotgun Condenser Microphone	Shotgun/OH	2
Rode	NT5	Pencil Condenser Microphone	OH Instruments	4

Accessories:

Item	Model	Detail / Accessories	Total
Tall stand	3 Leg Base	With Boom Arm	32
Short stand	3 Leg Base	With Boom Arm	5
Tall stand	Round base	Straight	4
Short Stand	Round Base	With Boom Arm	4
Desktop Table Stand	Round Base	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

2 x 30m 20 lines, 16 sends 4 returns

1 x 15m 36 lines audio snake for monitor split

1 x AR2412 Audio Rack for Allen and Heath SQ6 console, 24in, 12 out

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 or standing on legs support. 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	N/A
Dryers	N/A
Drying rooms	N/A
Iron / ironing board	N/A
Clothes racks	4

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	At Hirers Expense
Fridge / freezer	YES
Microwave	NO
Running water	NO

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**

Staff Contacts:

Operations

Phone Number

Email Address

Vince Healy

+61 3 9556 4413

vince.healy@kingston.vic.gov.au

Venue Hire

Phone Number

Email Address

Darren Whittingham

+61 3 9556 4435

darren.whittingham@kingston.vic.gov.au

Box Office

Phone Number

Email Address

Jennifer O'Connor

+61 3 9556 4886

Jennifer.OConnor@kingston.vic.gov.au

Technical Production

Phone Number

Email Address

Rami Freiha

+61 3 9556 4440

rami.freiha@kingston.vic.gov.au

Venue Plans:

Venue Plan Available

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