

**ARA**  
**DARLING**  
**QUARTER**  
**THEATRE**

**2020**  
**TECHNICAL**  
**SPECIFICATIONS**

# VENUE INFORMA- TION

## *VENUE ADDRESS*

Terrace 3, 1-25 Harbour St, Sydney NSW 2000

## *VENUE CONTACTS*

Administration +61 2 8624 9341  
Box Office +61 2 8624 9340  
Fax +61 2 8209 4977

## *LAURA WATSON OPERATIONS MANAGER & TECHNICAL PRODUCER*

Phone number +61 2 8624 9343  
Email address [operations@monkeybaa.com.au](mailto:operations@monkeybaa.com.au)

## *VENUE INFORMATION*

The ARA Darling Quarter Theatre (ARADQT) is the home of Monkey Baa Theatre Company. Monkey Baa Theatre Company is a not-for-profit organisation dedicated to creating exceptional work for young people and endeavours to be the benchmark in children's theatre.

Monkey Baa programs a season of work across each year into ARADQT and it also tours production nationally and internationally.

Any profit generated from the venue hire activities goes directly to supporting the creative goals of the Company.

**monkey**  
**baa** theatre  
company



# STAGE

## OVERVIEW STAGE DESCRIPTION

The stage and seating of the venue are configurable in a number of modes as listed below;

### Theatre Mode

236 seats : Fixed tiered seating with the option to use both the lower stage and upper stage areas as your performance space. The lower stage is the same level as the front row of seats (Row A).

### Half Lecture Mode

Up to 316 seats: Additional seating is added to the lower stage area allowing the use of both the lower and upper stages areas for the performance or presentation space.

### Full Lecture Mode

Up to 372 seats: Additional seating is placed on the lower stage area. The upper stage area is your performance/presentation space.

The stage floor in both the upper and lower areas is plywood on concrete, painted in a matt black. Screwing, drilling or painting the floor surface is not permitted. Regular gaffa tape cannot be used on the surface but can be placed over PVC tape that can be secured to the floor.

A crossover is possible behind the upper stage or if only the lower stage is in use then the upper stage area can be used for this purpose if the mid-stage tabs are closed.

**Stage point load limit** 4.5Kn

**Stage rake** No

## STAGE DIMENSIONS

### Lower Stage Area

Width 12000mm (measured between curtain legs)

Depth 6500mm

Height to LX grid 4300mm lowers to 4100mm in front of the upper stage

### Upper Stage Area

Width 8600mm (measured between curtain legs)

Depth 2500mm

Height to LX grid 3170mm

Height of Upper stage deck from lower stage deck – 940mm

# STAGE CONT.

## **SETTING LINE**

Setting Line is 1200mm from the front Row A.

In Theatre Mode, any staging must be on or behind the setting line due to aisle clearance requirements.

<b>Distance From</b>	SL = Setting Line CL = Centre Line, PS = Prompt Side, OP = Opposite Prompt Side
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SL to front row (Row A)	-1380mm
SL to cyclorama bar	6100mm
SL to upper stage fascia	6500mm
CL to OP masking	6150mm
CL to OP wall	9750mm
Width of OP wing	2200mm
CL to PS masking	6150mm
CL to PS flats	8600mm
Width of PS wing	1000mm

## **OVERHEAD OBSTRUCTIONS**

The main PA hangs on OP and PS in front of upper pros. This is marked on the Standard Rig Plan. The bottom of PA is approx. 3150mm from stage.

## **ORCHESTRA LIFT / PIT**

N/A. In theatre mode, the upper stage is sometimes used a band/musician area with the performance on the lower stage.

## **FLYING FACILITIES**

N/A

## **FIXED HANGING POSITIONS**

The lighting grid is available for rigging positions (refer Lighting Section for details). The Lighting Bars have a SWL point and distributed load (per metre) of 50kgs.

The Cyc and curtain bars can only be used for their designated purpose. The Cyc and Curtain Bars have a SWL point and distributed load (per metre) of 10kgs.

## **ADDITIONAL RIGGING NOTES**

There is no additional rigging or capacity for suspending items from the roof. In such instances that items with significant weight need to be installed then a ground support system must be used.

# STAGE CONT.

## DRAPERY

TYPE	MATERIAL	COLOUR	WIDTH	HEIGHT	QTY
Leg	Wool, 50% gathered	Black	3000	3910	6
Leg	Wool, 50% gathered	Black	4500	3910	2
Cyc	Fill cloth	White	9600	4180	1
Mid Stage Tabs (black wool) are located at the front edge of the upper stage					
Upstage Tabs (black wool) are located across the back wall of the upper stage					

## ACCESS EQUIPMENT

1 x mobile scaffold trolley custom built for the venue provides access to all lighting positions over the lower stage.

1 x 2.4m 8-step aluminium ladder provide access to all lighting positions over the seating and upper stage.

## STAGING UNITS/ROSTRA

N/A

## STAGE COVERS/TARQUETTE

N/A

## STAGE TRAPS

N/A

## SAFETY CURTAIN

N/A

# LOADING DOCK

## OVERVIEW

The loading dock is located off Harbour St.

Follow the signs to the McDonalds Drive Thru. The loading dock roller door is opposite the waiting bay area of the Drive Thru. Depending on the vehicle size, it can be reversed into the dock or park adjacent the roller door.

At all times, customer access to the McDonald's Drive Thru must be maintained. Vehicles cannot block the Drive Thru.

Vehicles can only park in the area while being loaded and unloaded. Thereafter they must be removed offsite or to the Wilson's Carpark located underneath the venue. There is no other company parking available on-site.

### Maximum dimensions for vehicles to enter the Drive Thru area

Max vehicle length:	10.5m
Max vehicle height:	4m

### Loading Dock Dimensions

Loading Dock Height	0mm (dock is not raised)
Lower Stage Height	-940mm (below dock level)
Upper Stage Height	Same level as dock
Roller Door width:	2730mm
Roller Door height:	2500mm

### Internal access door from dock to auditorium

Width	1600mm wide
Height	2200mm high

To access the lower stage, items must go around a corner and travel down approximately 6 steps to reach the lower stage level.

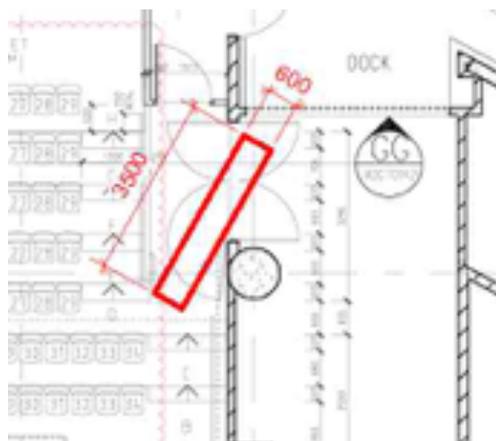
Due to the angle of the door and aisle, the maximum size is approximately 3500mm long by 600mm wide. However as the object gets shorter it can get wider, down to 1000mm by 1000mm and it is possible to fit very long and thin objects such 6m pipes around this corner.

For any items of significant weight that need to reach the lower stage area, these can be taken via disabled ramp from foyer to stage.

These objects must fit through a single doorway and around a bend.

Maximum size is approx a road case sized for two moving lights.

To access the upper stage, items can be carried as above or taken through the storage area and remain on the level to reach the upper stage.



# LIGHTING

## **POSITIONS**

All lighting bars are fixed positions.

### **LX 1**

Distance from SL (plan view) -2850mm (located over FOH)  
Usable bar width 9000m  
Notes 8 x 10A dimmed patches, 3 x 10A GPO, 2 x Cat5e patches,  
SWL: 50kg per point and 50kg per meter distributed load.

### **LX 2**

Distance from SL (plan view) 550mm  
Usable bar width 9000m  
Notes 8 x 10A dimmed patches, 3 x 10A GPO, 2 x Cat5e patches,  
SWL: 50kg per point and 50kg per meter distributed load.

### **LX 3**

Distance from SL (plan view) 4000mm  
Usable bar width 9000m  
Notes 8 x 10A dimmed patches, 3 x 10A GPO, 2 x Cat5e patches,  
SWL: 50kg per point and 50kg per meter distributed load.

### **LX 4**

Distance from SL (plan view) 5400mm  
Usable bar width 9000m  
Notes 8 x 10A dimmed patches, 3 x 10A GPO, 2 x Cat5e patches,  
SWL: 50kg per point and 50kg per meter distributed load.  
LX 4 is approx. 300mm lower than LX 1–3 due to slope of ceiling

### **LX 5**

Distance from SL (plan view) 7140mm  
Usable bar width 9000m  
Notes 8 x 10A dimmed patches, 3 x 10A GPO, 2 x Cat5e patches,  
SWL: 50kg per point and 50kg per meter distributed load  
LX 5 is located over the upper stage

### **LX OP Wall**

Usable bar width Due to masking only the downstage 3000mm usable  
Notes 8 x 10A dimmed patches, 3 x 10A GPO, 2 x Cat5e patches,  
SWL: 50kg per point and 50kg per meter distributed load.

### **LX PS Wall**

Usable bar width Due to masking only the downstage 3000mm  
Notes 8 x 10A dimmed patches, 3 x 10A GPO, 2 x Cat5e patches,  
SWL: 50kg per point and 50kg per meter distributed load.

### **Floor Circuits**

16 x 10A dimmer outlets are located on the floor at the back wall of the upper stage.

# LIGHTING

## **SAFE WORKING LOAD**

Lighting Bar Point Load            50kg  
Lighting Bar Distributed Load    50kg per meter

Lights cannot be hung from the cyc and curtain bars. These are rigged on plasterboard anchors and designed to support lightweight soft goods.

## **CONTROL**

Lighting desk            ETC Ion 1000, 40 fader unit  
Control channels        1024  
Signal output            2 x DMX512 5-pin available  
Signal distribution      Pathport - DMX over ethernet distribution system.  
There are Pathport DMX breakout boxes located on each LX bar and in other areas around the venue.  
Remote riggers         Yes

## **DIMMERS**

Total Dimmers         72 x 2.4Kw Jands WMX dimmers  
hardwired to patch points

## **HOUSE LIGHTS**

Independent control    No. Controlled by DMX on Universe 1, Ch 401 – 412  
Fade time adjustable    Yes. Via lighting console.

## **ADDITIONAL POWER**

3 Phase Outlet         1x 40A 5-pin Clipsal outlet located on OP column upper stage.

## **CABLING**

ARADQT has adequate quantities of 240v extension leads and DMX cabling.

## **NOTES**

### **Standard rig**

Please see separate plan for the venue's standard rig. Variations to the standard rig may incur labour charges for both modifying the rig from standard and restoring at the end of hire.

### **Fixtures can obstruct projector image**

If you are planning to use the projector in it's standard position (centre of LX 2) to project on the in-house motorised screen any lighting fixtures in the centre of LX 3 and 4 will obstruct the beam.

### **8 x dimmer circuits per bar**

It is possible to run cabling from circuits on other bars to increase your circuits per bar. A permanent loom is in place to provide an additional 4 circuits on LX 1 which is taken from the back wall. Please discuss with the Operations Manager in advance of finalising plans.

# LIGHTING

## STAGE LUMINAIRES

### PROFILES

MAKE	MODEL	ANGLE	DETAIL	WATT	WGT	GOBO SIZE	FRAME SIZE (mm)	QTY
ETC	Source 4 Zoom	15-30°	Safety Chain, Hook Clamp, Gel Frame	750	13.5kg	B	190 x 190	26
ETC	Source 4 Zoom	25-50°	Safety Chain, Hook Clamp, Gel Frame	750	12.5kg	B	190 x 190	12

### FRESNELS

MAKE	MODEL	DETAIL / ACCESSORIES	WATT	WGT	GOBO SIZE	FRAME SIZE (mm)	QTY
ETC	Source 4 Fresnel	Safety Chain, Hook Clamp, Gel Frame, Barn Doors	750	13.5kg	B	190 x 190	26

### LED

MAKE	MODEL	DETAIL / ACCESSORIES	WATT	WGT	GOBO SIZE	FRAME SIZE (mm)	QTY
ETC	Selador Vivid-R 11" LED	Safety Chain, Hook Clamp, 60° horizontal lens, 80° vertical lens, uses 8 DMX channels.	750	13.5kg	B	190 x 190	26

\* Weights include yoke, hookclamp, lens, barndoor and shutters (where available)

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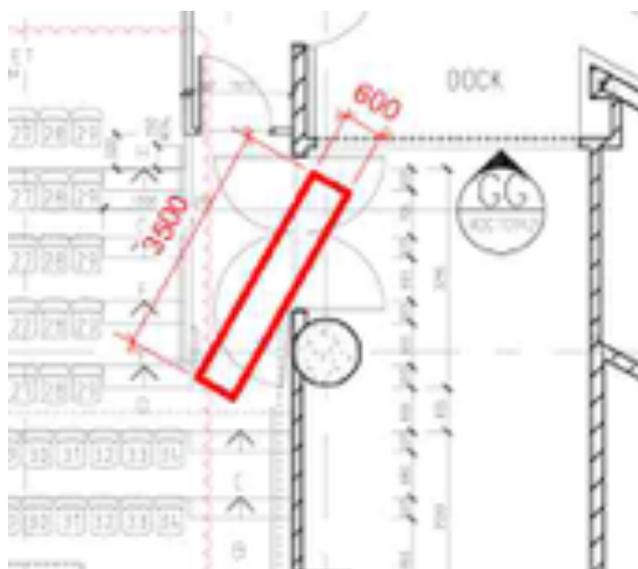
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# VENUE AUDIO

## **CONTROL POSITION**

The dedicated mix position is located in the Control Room at the rear of the fixed seating. The Control Room has large glass windows that open into the auditorium.

## **CONTROL & AMPLIFICATION**

### **Primary Mixer**

Yamaha TF1; Fader configuration 16 + 1 (master); 16 Mic inputs, 2 Stereo inputs, 16 XLR outputs, Stereo and Mono outputs; On-board processors 8 effects + 10 GEQ

### **Amplifiers**

- 2 x Crown XTi 6002 2-channel 3000W  
- dedicated amplifiers for the FOH line arrays
- 1 x Crown XTi 2002 2-channel 3000W  
- amplifier for foldback monitors

### **EQ**

EQ is limited. The overall system processing is managed by 1 x BSS BLU100. This is not reprogrammable on a day-to-day basis. There are no outboard EQ units to the mixer. Please discuss your audio needs with the Operations Manager prior to your event.

### **Effects**

1 x Lexicon MX400XL - 4-in/4-out Reverb/Effects Processor

## **SPEAKERS**

### **FOH Speakers**

3 x JBL Professional VRX932LA 12" line array per side

Notes: The line array is hung upstage in front of the upper stage and this places it at the rear of the lower stage area. The line array cannot be relocated.

### **Subwoofer**

2 x JBL Professional VRX918SP 18" powered subwoofer

Notes: The sub woofers are located on the stage floor of the upper stage though these can be relocated in preferred.

### **Foldback**

4 x JBL MRX512M 12" passive monitor

Notes: There are only two amp sends to the monitors

## **FOYER SOUND SYSTEM**

The foyer space is equipped with a basic ceiling speaker system and small mixer that allows for the playback of music (via laptop or iPhone).

A lectern and microphone can also be set-up and patched into the system to allow for pre or post- event speeches.

# VENUE AUDIO

## PLAYBACK EQUIPMENT

ITEM	MAKE	DETAIL	TOTAL
iMac	Apple	Qlab available upon request	6

## MICROPHONES AND INPUT DEVICES

MAKE	MODEL	USE	TOTAL
Shure	Beta 58	Vocal 4	4
Shure	SM57	Instrument	4
DBX	DB12	Active DI	2
DBX	DB10	Passive DI	2

## STAGE PATCHING

6 x XLR sends from Upper Stage (PS) to Control Room

6 x XLR sends from Upper Stage (OP) to Control Room

4 x XLR returns from Control Room to Upper Stage (PS)

4 x XLR returns from Control Room to Upper Stage (OP)

2 x NL4 Speakon returns from Control Room to Upper Stage (PS)

2 x NL4 Speakon returns from Control Room to Upper Stage (OP)

6 x Cat5e Ethernet patches between Control Room and Upper Stage (PS)

6 x Cat5e Ethernet patches between Control Room and Upper Stage (OP)

6 x Cat5e Ethernet patches between Control Room and Lower Stage (PS)

6 x Cat5e Ethernet patches between Control Room and Lower Stage (OP)

3 x Fibre Optic pairs between Control Room and Upper Stage (PS)

3 x Fibre Optic pairs between Control Room and Upper Stage (OP)

3 x Fibre Optic pairs between Control Room and Lower Stage (Centre)

2 x XLR talkback (A and B Loops) patches between Control Room and Upper Stage (PS)

2 x XLR talkback (A and B Loops) patches between Control Room and Upper Stage (OP)

2 x XLR talkback (A and B Loops) patches between Control Room and Lower Stage (PS)

2 x XLR talkback (A and B Loops) patches between Control Room and Lower Stage (OP)

There is additional patching available on both the PS and OP walls, rear of the auditorium (OP and PS), backstage and in foyer.

Speak to the Operations Manager for more information.

# AUDIO VISUAL

## AV OVERVIEW

The venue has an in-house projector and screen with a basic stock of accessories and cabling to suit. A laptop with a powerpoint presentation can be patched directly to the projector from onstage, backstage or the Control Room.

The venue has an iMac computer located in the Control Room that can play most powerpoint presentations or videos (depending on file type). If you require the presentation to be controlled from onstage or backstage, then a separate laptop is required.

If you require the ability to switch between input sources (eg: video playback and powerpoint), require a fold back monitor for your presenter to keep track or require a larger or multiple screens then we recommend engaging an AV contractor.

Please speak with the Operations Manager who can advise on contacts with suppliers who work regularly in the venue.

<b>Projector</b>	NEC NP Digital Projector PA500UG
<b>Screen</b>	Front projection screen which reveals from a box permanently installed at the rear of upper stage. The dimensions are 3010mm (w) x 1870mm (h). Please note this measurement does not include the black border and the white space is slightly taller than 16:9 aspect ratio.

# COMMUNI- CATIONS

## STAGE MANAGERS DESK

SM desk includes back-of-house and front-of-house paging, Ezicom master station. The standard position is PS upper stage but can be located to OP side.

## TALKBACK

<b>Master Unit</b>	Ezicom Master at SM desk. Wired A and B loops are well located around the venue.
<b>Total sub stations</b>	6 x Ezicom single channel partyline belt pack 2 x Clearcom dual channel partyline squawk box
<b>Total headsets</b>	6 x Single muff headset
<b>Radio Units</b>	NA

## PAGING / SHOW RELAY

Paging to dressing rooms and foyer is available from SM desk and FOH office. Show relay available to back-of-house areas. Volume is adjustable in each dressing room.

## STAGE MONITOR

A camera is located in front of the Control Room that captures the full stage. Relay monitors are located backstage on either side of upper stage, Green Room, Dressing Rooms, FOH Office and foyer.

# BACK-STAGE

## *DRESSING ROOMS*

DRESSING ROOM	CAPACITY	TOILETS	SHOWER	DETAILS
1	3 – 5	Y	Y	
2	3 – 5	Y	Y	Accessible shower and toilet amenities

## *LAUNDRY / WARDROBE*

Washing Machines 1  
Dryers 1  
Iron/ironing board 1  
Clothes racks 2 (allocated one per dressing room)

## *GREEN ROOM*

Tea/Coffee facilities Yes  
Fridge/freezer Mini bar fridge only  
Microwave Yes  
Running water No – available in the Laundry or Admin Office.

## *FURNITURE*

8 x large trestle tables (1850 x 750mm)  
2 x small trestle tables (1200 x 600mm)  
15 x white café style chairs  
1 x brown glass lectern (1090mmH x 490mmW)  
1 x set of treads to custom stage height

# PRODUCTION FACILITIES

## *PRODUCTION DESK*

The venue has trestle tables that can be installed into B row and smaller trestle tables which fit snugly into alternative seating rows. Please advise in advance if you require these set-up for plotting sessions and technical rehearsals.

## *INTERNET SERVICES*

A 100Mbps up/down symmetrical dedicated internet service is available at cost and can be patched to a number of locations around the venue for hirer's use. We can configure this to password protected WiFi at request.

The Darling Quarter Precinct provides a free WiFi network that is available to all users of the venue.

## *PRINTING/COPYING/FAXING SERVICES*

The multifunction printer in the Administration Office can be used by hirer's organisers and key production personnel. A nominal charge will be applied to large print runs or colour printing.

## *STAGE DOOR*

Backstage access is normally via Stage Door in the foyer. Upon induction, the Venue Supervisor will issue key personnel with swipe cards that allow access through this door.

## *CAR PARKING*

There is a Wilson's Carpark located underneath the venue. Check online for their current early bird, evening and weekend parking rates.

## *ACCESSIBLE ACCESS*

The venue is fully accessible both for audience members to the auditorium and for performers backstage.

## *ASSISTED LISTENING SYSTEM*

An assisted listening system is installed with 15 x handheld FM receiver units available from the Box Office. These devices have earphones and hearing aid couplers to suit as required.