

ALEXANDER THEATRE

TECHNICAL SPECIFICATIONS



July 2026

Monash University Performing Arts Centres

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The Ian Potter Centre for Performing Arts

Alexander Theatre, David Li Sound Gallery, The Count's & Main Box Office

48 Exhibition Walk, Clayton VIC 3800

CRICOS Provider No. 0008C ABN 12 377 614 012

Robert Blackwood Hall

49 Scenic Boulevard, Clayton VIC 3800

George Jenkins Theatre

47-49 Moorooduc Hwy, Frankston VIC 3199

STAGE:

Stage Description

Unraked stage with proscenium arch and automated fly system. Stage surface is painted black, Weathertex over plywood floor. Screwing into floor is permitted with up to 25mm standard chipboard screws.

Stage Dimensions:

Width	16.1m
Depth, including apron	10.5m
Proscenium Height	7m

False Proscenium:

Width variable between	10m to 12m (Legs)
Height variable between	4m to 7m (Border)
Standard soft opening is	10m wide 6m to bottom of border

Setting Line: US corner of proscenium

Distance from (*SL = Setting Line, CL = Centre Line*)

SL to DS edge of apron	3.12m
SL to DS edge of Orchestra Lift/Pit	3.12m
SL to US edge of Orchestra pit	1.13m
SL to first fly line – House curtain	0.15m
SL to last upstage fly line	7.55m
SL to rear wall	7.79m
CL to OP floor distance	11.8m (not inc. obstructions)
CL to PS floor distance	11.8m (not inc. obstructions)
Stage to underside of grid	14.9m

Stage Capacity:

Stage Distributed Load Limit:	750kg/m2
Stage Point Load Limit:	450kg

Auditorium:

Stepped seating with two aisles and lower crossover behind first four rows of seating.

Seating Capacity (Standard Configuration) **556** *standard is with tech holds out

Technical Holds (sound desk in auditorium) **5**

Stage Apron/Orchestra Pit Hoist:

The Orchestra Pit Hoist's standard configuration is at stage level providing a large apron to the stage. It can be repositioned via motorised hoist to create an orchestra pit. Accessibility equipment is available upon request to enable access for performers with mobility needs.

Set positions for Orchestra Pit Hoist:

Stage level	0.6m above auditorium.
Auditorium level	0m
Orchestra pit level	2.95m below stage
Piano Store load level	3.64m below stage
Lift can be set at any height	No
Dimensions of the orchestra hoist	2m x 9.1m
Dimensions of the orchestra pit	5m x 9.1m
Orchestra pit maximum capacity	30 people (inc. chairs, stands and instruments)
	For orchestras over 22 members a scale plan must be supplied for Technical Department approval.

For access to the orchestra pit, the hoist **must** be at orchestra pit level.

Please note all stage scenery construction and flying must be completed before the Orchestra Pit hoist can be lowered.

Orchestra Pit net must be installed before any setup is undertaken in the orchestra pit.

FLYING FACILITIES:

The Alexander Theatre fly system consists of a TAIT Towers iQ system, comprised of remote controlled electric winches. Fly lines can be driven individually, or in programmed groups and sequences. All operation of the fly system is by authorised MPAC staff **only**.

Fly System console:	epiQ
Fly Operating Position:	Stage Level OP Gallery
Total number of Lines:	36 (including House curtain)
Panorama Bars:	2 (Dead Hung 6455mm above stage)
Batten Drift:	1.1m to 14.6m
Batten Type:	75mm x 50mm RHS
Batten Length:	15.5m (10 pairs of batten extenders, 500mm long)
Bar WLL:	Line 1: 400kg Lines 2-38: 500kg
Max. Point Load:	75kg
Acceleration / Retard:	1m per sec @ 250kg
Batten Pick-ups:	5 at 3.4m apart.
LX bars can be swung:	Yes (except LX1)
LX bar type:	HME Pro Batten (16 x 3.5m, 4 x 3.0m, 1 x 15m sections)

The venue has 2 x RSJ's located in the ceiling space above the forestage, each beam has a Max WLL of 1000kg (No motors).

HANGING PLOT:

Line #	Distance from SL	Max WLL	Venue Allocation
1	150mm	400Kg	HOUSE CURTAIN <i>*cannot be removed</i>
2	350mm	500Kg	BORDER #1 <i>*cannot be removed</i>
3	550mm	500Kg	LEGS #1 <i>*cannot be removed</i>
4	750mm	500Kg	LX #1 <i>*cannot be removed</i>
5	950mm	500Kg	
6	1150mm	500Kg	
7	1350mm	500Kg	A/A SYSTEM
8	1550mm	500Kg	
9	1750mm	500Kg	BORDER #2
10	1950mm	500Kg	LEGS #2 / TAB TRACK
11	2150mm	500Kg	
12	2350mm	500Kg	LX #2
No Bar			
14	2750mm	500Kg	
15	2950mm	500Kg	A/A SYSTEM
16	3150mm	500Kg	
17	3350mm	500Kg	Fast Fold Screen <i>*extra charge will apply</i>
18	3550mm	500Kg	
19	3750mm	500Kg	BORDER #3 / SMOTHER
20	3950mm	500Kg	LEGS #3
21	4150mm	500Kg	LX #3
22	4350mm	500Kg	
23	4550mm	500Kg	
24	4750mm	500Kg	
25	4950mm	500Kg	BORDER #4
26	5150mm	500Kg	A/A SYSTEM
No Bar			
28	5550mm	500Kg	LEGS #4 / TAB TRACK
29	5750mm	500Kg	
30	5950mm	500Kg	LX #4
31	6150mm	500Kg	UNAVAILABLE
32	6350mm	500Kg	CYC LIGHTING UNITS
33	6550mm	500Kg	
34	6750mm	500Kg	
35	6950mm	500Kg	A/A SYSTEM
36	7150mm	500Kg	
37	7350mm	500Kg	
38	7550mm	500Kg	US SMOTHER

Please note:

- All stage machinery in the Alexander Theatre can only be operated by authorised MPAC staff.
- Any changes to the standard venue hanging plot must be approved by the Technical Department no less than 4 weeks prior to bump in.

Drapery:

*Type	Material	Colour	Width	Height	Quantity
House Curtain	Velour	Blue	16000	7800	1 (Centre Split, does not draw)
Border #1	Wool	Black	19000	3500	1
Border #2 & #4	Wool	Black	19000	3000	2
Legs #1 & #3	Wool	Black	3600	8200	2 pair
Tabs #2 & #4	Wool	Black	9500	8500	2 pair
Black Scrim	Sharks Tooth	Black	16000	8200	1
White Scrim	Sharks Tooth	White	16000	8200	1
Smother MS	Wool 530GSM	Black		8500	1
Smother US	Wool 530GSM	Black	18500	8500	1
Legs #5 (Spare)	Wool	Black	2500	11000	1 pair
Panorama Masking	Wool	Black	1500	7000	4

Access Equipment:

Elevated Work Platform:	Maximum platform height:	6m
	Maximum platform load:	150kg

Please note:

- Operator must be deemed competent by MPAC Technical Department and complete MPAC induction to operate the EWP.
- A dedicated spotter is required at all times and **must** be suitable qualified/licenced for EWP

Ladders:	1 x A-Frame Ladder 2.5m Fibre Glass
	1 x A-Frame Ladder 1m Fibre Glass

Loading Dock:	Located at the south east corner of the building, accessed from Exhibition Walk.
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Loading dock lift height can be adjusted to suit the vehicle unloading (ground level or truck bed). Dock Lift also provides access to basement level.

Please note: no private vehicle may remain in the dock once unloaded.
No vehicles may remain in the dock overnight.

Loading Dock Height:	1200mm. Dock leveller MUST be landed on the truck bed or tail lift.
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Goods Hoist:	2.5m wide x 3.3m Long
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Door Dimensions:	2.8m high x 2.1m wide
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Please note:

For a heavy rigid or articulated truck, two weeks advance notice is required to arrange access to the loading dock. Tractor cannot remain attached to trailer.

Staging Notes:

Lighting equipment and accessories rigged overhead must be secured with a safety chain or suitable restraining device.

Attachment of overhead equipment – i.e. lighting and scenery – must be overseen and approved by MPAC staff or those deemed competent by MPAC Technical Department using appropriately rated and certified equipment.

Limited stage rigging gear is available in house, including: lifting straps, shackles and FSWR. Any additional stage rigging equipment must be appropriately rated and certified.

The venue reserves the right to refuse to rig and/or require additional or improved construction of items deemed not safe to be flown.

Scenery and large props must be suitably treated with fire retardant.

Approved drapes must be of a fire-retardant fabric or treated with an approved fire retardant and with an appropriate label attached to the drape.

Screwing into floor is permitted with up to 25mm standard chipboard screws. Larger screws or holes require prior permission from Technical Department. Any damage to the stage floor may incur a repair or replacement fee to the hirer.

Please consult with Technical Department prior to Bump In for information on rigging requirements.

LIGHTING:

Control Position: Dedicated control room at rear of auditorium

Lighting desk: ETC GIO@5

Outputs: 4096

Signal distribution: sACN from Control Room
Pathport over ethernet to DMX-512 nodes in the field

STAGE BARS: 16 x LX SPOT BARS 3.5m (6 x 10a) [12 used in standard rig]
4 x LX SPOT BARS 3.0m (6 x 10a)
1 x LX BATTEN 15m LX 1 Line 4 (24 x 10a) [Cannot be swung]
** See hanging plot for standard LX bar locations*

FOH Bridges: 2 x FOH LX BRIDGES (36 x 10a per bridge)
1 x Orchestra LX BAR 15m (24 x 10a)
** FOH bridge access restricted to those deemed competent by MPAC Technical Department*

FOH Perches: #1 (PS & OP) Setting Line to Perch 1 1.5m/8m off CL
#2 (PS & OP) Setting Line to Perch 2 3.2m/8.7m off CL
#3 (PS & OP) Setting Line to Perch 3 6.4m/8.8m off CL
** Maximum loading per boom is 50kg per meter.*

Booms: 8 x 2.4m booms
32 x 0.5m boom arms for booms and perches (see standard rig)

Total Dimmers: 383

Racks: LSC GENVI (2.4Kw x 12)
**All dimmers hard wired to outlets. Supports relay configuration.*

Lighting Traps: 4 x PS & 4 x OP LX Stage traps have 6 outlets each.

House Lights: **Independent control:** Yes, in addition to lighting console, no adjustable fade time
Control positions: Control room, Stage Managers desk, LX console

STAGE FIXTURES:

Profiles/Ellipsoidal:

Make	Model	Angle	Watt	Total
ETC	Source FOUR Fixed Beam	19°	750	6
ETC	Source FOUR Fixed Beam	26°	750	12
ETC	Source FOUR Fixed Beam	36°	750	9
ETC	Source FOUR Zoom	15/30°	750	37
ETC	Source FOUR Zoom	25/50°	750	2
ETC	Source FOUR Zoom Jnr	25/50°	575	2

Fresnels:

Make	Model	Detail / Accessories	Watt	Total
Selecon	Rama	Barn-doors	1.2K	18
ETC	Source FOUR Fresnel	Barn-doors	750	12

LED:

Make	Model	Detail / Accessories	Watt	Total
ShowPro	MYCYC2	RGBAL	150w	16
ShowPro	FusionPAR QXII	RGBW	110w	18
Chauvet	Ovation Reve E-3	RGBAM	360w	12

Moving Lights:

Make	Model	Detail / Accessories	Watt	Total
EK	EC7	RGBWW	400W	14

Followspot: **Upon request. Hire charges may apply.*

Make	Model	Detail / Accessories	Watt	Total
Robert Juliet	Topaz	6 way Colour magazine	1200w	2

**Followspot locations are PS and OP in rear of auditorium*

ADDITIONAL LIGHTING:

Subject to Availability, following discussion with Technical Department prior to engagement:

Make	Model	Angle	Watt	Total
ETC	Source FOUR Fixed Beam	26°	750	3
ETC	Source FOUR Fixed Beam	36°	750	2
ETC	Source FOUR Fresnel		750	3

Item	Make	Model	Detail / Accessories	Total
Hazer	Look Solutions	Unique 2.1	DMX Controlled. Additional Charges apply	1

**Alexander Theatre Standard Lighting Plan available on request in PDF and VWX formats.*

Haze:

Minimum four days' notice required for any haze or smoke isolation.

Only water-based haze fluid is permitted to be used.

Music Stand Lights:

20 x Rat Apollo sconce lights (Warm White)

1 x DMX power supply 3 Channels

Power:

3 Phase Outlets: 40A 3 phase outlets around the venue

400Amp Power lock: Located upstage OP wing

Cabling:

The Alexander Theatre has limited stock of 240v extension cables and DMX cables to accommodate the venue's standard lighting rig.

Any additional equipment will require additional cable stock to be sourced.

AUDIO:

Control Position:

Dedicated audio operating position either at rear of Auditorium or inside the control room.

Seats numbered W15-19 are automatically withheld from sale.

No modification to the main system processing is permitted without prior arrangement with the Technical Department. There is no client access to the Meyer Galaxy processor.

Mixing Console:

DiGiCo Quantum 225
96 Input Channels
48 Aux / Sub-Group Busses
LR/LCR Master Bus
12 x 12 Full Processing Matrix
48kHz Sample Rate
Secondary screen - overview

Stage Rack:

Prompt Side

DiGiCo DQ-Rack
48 analogue in
20 analogue out
4 AES out

Opposite Prompt

DiGiCo DQ-Rack
48 analogue in
20 analogue out
4 AES out (System outputs)

FOH Speakers:

Meyer Leopard/Lina System LCR arrays

6 x 750LFC (3 per side in Cardioid configuration)
12 x Leopard (6 per side)
5 x Lina (Centre)
6 x UPM (Front Fill speakers)
Galileo Galaxy Processing

Foldback:

6 x Meyer UPJ-1P Stage Side Fill (fixed position, cannot be relocated)
2 x QSC K12.2
2 X QSC K10.2

Meyer Sound Constellation System:

A unique feature of the Alexander Theatre is the Meyer Sound Constellation Active Acoustic Enhancement system. Active Acoustic Enhancement (AAE) refers to a process where sound is captured using multiple microphones, processed electronically, and broadcasted back into the room via loudspeakers. Instantaneous changes altering various acoustic properties (ie: reverberation time, reverberation length etc.) can be made to the system to suit a wide variety of musical performances.

There are three main zones (auditorium, stage and orchestra pit) that can have their acoustical properties altered independently to compliment the requirements of the performance. Microphones and speakers set out around these zones are positioned specifically to allow for a natural and even (AAE) experience.

We are also able to route sound signals to specific loudspeakers around these zones where required. This function allows the system to expand its capability beyond just (AAE) serving the needs for surround effect inputs or stage monitoring reinforcement.

MICROPHONES:

Make	Model	Detail	Total
Shure	SM58	Dynamic	6
Shure	SM57	Dynamic	2
Rode	NT5	Condenser (Matched Pairs)	6
Sennheiser	E901	Plate Microphone	4
Radial	Pro AV2	Multimedia DI	2
Radial	Pro DI	Passive DI	2

Microphone Stands:

Item	Model	Detail / Accessories	Total
Microphone Stand Tall	K&M	Boom Arm	10
Microphone Stand short	K&M	Boom Arm	4
Microphone Stand Straight	K&M	Round Base	2

Assistive Hearing:

The venue is equipped with Infrared and Induction Loop hearing assistance systems.

Please note:

- Induction Loop system may need to be deactivated in certain circumstances – i.e. if electric guitars are in use.

Notes:

The Alexander Theatre has limited stock of 3-pin XLR cable in various lengths. There is also a limited stock of various audio adapters and connectors. All external equipment that may require specific adapters or connectors (i.e. instrument leads) are to be supplied by the hirer.

Additional audio equipment (e.g. radio mics) may be available by prior arrangement with Technical Department at an additional charge.

Additional stage monitors may be available with prior arrangement with Technical Department, additional charges may apply.

For more information on the Meyer Constellation system schematics, please contact Technical Department .

AUDIO VISUAL:

Projector Position: Control room

Operating Position: PS at Stage Manager Desk and/or Control Room

Projector:

Type	Model	Detail / Accessories	Quantity
Panasonic	PT-REQ15BE	15K Lumens *Additional charges apply*	1

Projection Screen: Cyclorama Wall as standard

Fast fold Screen hung on Line 17 **extra charges will apply*

AV Playback Equipment: Standard Resolution is 1920 x 1080p. All devices must be HDMI compatible. Client to provide all input devices and any adaptors or connectors required for input devices.

AV Switching: Blackmagic Design ATEM 1ME Constellation HD for switching program feed to the projector.

Audio Visual Infrastructure:

The Alexander Theatre has SDI tie-lines throughout the venue for audio visual distribution.

Notes:

Standard Resolution is 1920 x 1080p.

The Alexander Theatre has a limited supply of HDMI and SDI cable.

BACKSTAGE:

Stage Managers Desk:

Stage Manager's desk is located in Prompt Corner. Desk has limited mobility within this area and is fitted with a light, clock, timer, dual 7" monitors with Show Relay, comms and BoH Paging.

Talkback:

Master Unit	Riedel x 2 RSP2318 (fixed at SMD and LX op's position)
Wired units	4 Riedel C3 (one unit allocated to Audio op's position)
Wireless	4 Riedel Bolero (one unit allocated to MPAC Supervising Technician & Flies Operator)
Headsets	Total of 8 allocated to venue

Talkback patching All locations in venue

Paging / Show relay:

Paging to all dressing rooms is controlled from the stage manager's desk. Show relay audio and video is distributed to all dressing rooms and Green Room as standard.

Show Feed Video Monitor Positions:

1. Stage Manager's Desk
2. DS wall of each wing
3. All Dressing Rooms
4. Green Room

Camera located centre of the control room & Orchestra pit

Cameras:

Purpose	Make	Model	Location
Show Feed (Full Colour)	Panasonic	AW-HE40	Control Room
Low Light (Infra-Red)	Panasonic	AW-UE70	FOH Bridge 1

Work Light:

Venue is fitted with a comprehensive and flexible Blue/White work light system in all backstage areas

Orchestral:

Item	Total
Music Stand	20
Sconce	20
Musician's Chair	10
Conductors Podium	Conductor riser with hand rail on one side

Grand Piano

Steinway 9' 2018

Additional charges apply, initial tune included. Additional tune(s) available upon request at additional cost

ADDITIONAL FACILITIES & INFORMATION:

Dressing Rooms:

Dressing Room	Capacity	Toilets	Shower	Details:
Rm. 1	6-8	1	1	At stage level (<i>not DDA Compliant</i>)
Rm. 2	6-8	1	1	At stage level (<i>not DDA Compliant</i>)
Rm. 3	30	1	0	Above Stage level (<i>not DDA Compliant</i>)
Rm. 4	30	0	0	Below Stage level. Toilets shared
Rm. 5	30	0	0	Below Stage level. Toilets shared
Rm. 6	30	0	0	Below Stage level. Toilets shared
Rm. 7	2	1	1	Below Stage level - (Orchestra)
Rm. 8	2	1	1	Below Stage level - (Orchestra)
<i>Dressing rooms 4 through 8 are completely DDA compliant allowing full access to performers with access needs. Please contact the venue hire coordinator for further information</i>				

Production Facilities:

Production Desk:	*Upon request
Production Office:	No
Phone:	No

Laundry:

Located in the basement level and accessible via passenger and loading dock lifts.

Washing Machines:	Yes
Dryers:	Yes
Drying rooms:	No
Iron / ironing board:	Yes
Clothes racks:	Yes

Kitchenette: (In Green Room & Dressing Room 3)

Fridge / freezer:	Yes
Microwave:	Yes
Running hot/cold water:	Yes

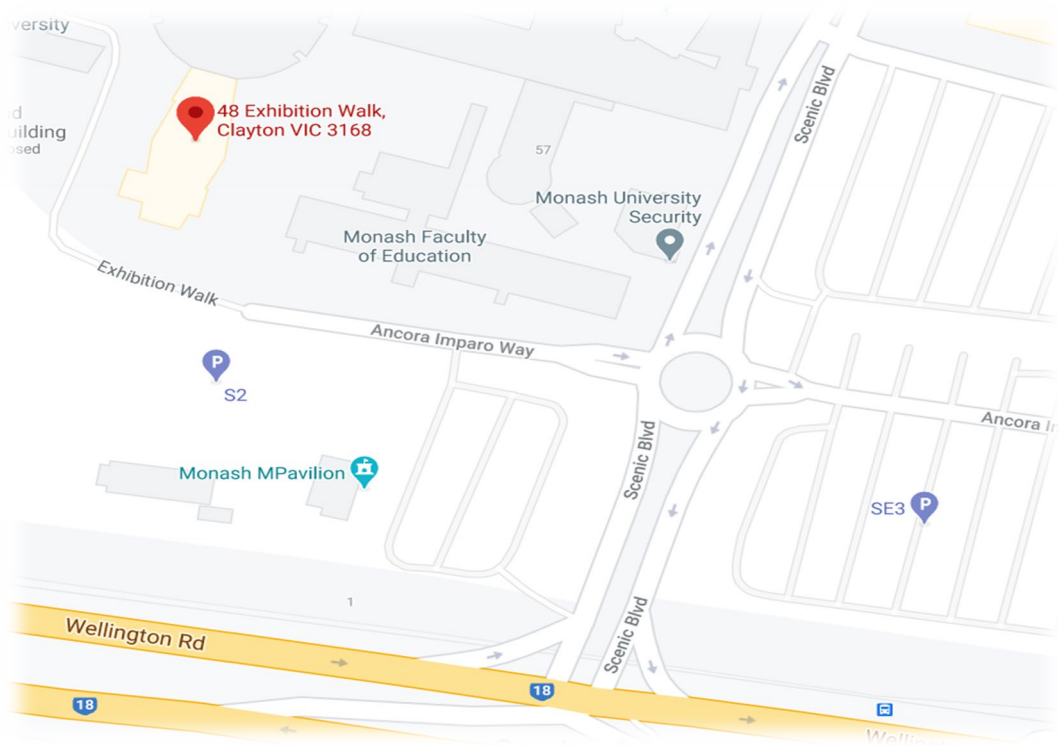
Access:

Stage Door access for performers is located in the South West corner of the building.
Please ensure you discuss venue access time with your account representative.

Stage Door keeper required to be supplied by Client

VENUE:

Venue Address: 48 Exhibition Walk
Monash University Clayton Campus,
Clayton 3800 VIC.



Technical Manager: **Matthew King.**
Phone number: (03) 9905 1689
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