

# Altona Theatre Technical Specifications

as at October 2023

Further specifications, standard rig patch sheets & diagrams, patch maps, equipment manuals, inventory listings, stage floor & grid loading specifications, and other useful information is available on the Altona City Theatre Technical Services Website: <http://www.altonacitytheatre.com.au/techservices/>

## Location

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<b>Street address</b>	115 Civic Parade Altona, Victoria, 3018
<b>Loading dock</b>	Rear of building. 3m wide x 4m high; tray height 1.1m. Direct access to stage through fire door (3m wide x 5m high).

## Auditorium

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<b>Seating capacity</b>	252 raked, no restricted viewing including 2 house seats, and 4 wheelchair seats (effective capacity 246)
<b>Accessible seating space</b>	Ramp entrances at ends of row D Seats C1 & C2 and C17 & C18 removed as standard to accommodate wheelchairs
<b>Lighting</b>	Strand Ambit GT house light system (controlled from Stage Manager's desk and Control Room) LED strip lighting of stairs and entrance ramps

## Stage

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<b>Proscenium arch</b>	9m wide x 4.75m high
<b>Setting line</b>	Front edge of proscenium arch
<b>Measurements</b>	SL to DS edge of fixed stage 0.8m SL to DS edge of Orchestra Pit 2.3m SL to first fly line 1.15m SL to ground row kickboard 6.5m SL to last upstage fly line (cyclorama) 7.15m SL to rear wall 7.3m CL to proscenium arch tormentor 4.5m CL to DS apron side wall 5.7m CL to PS wall 8.4m CL to OP winches (mounted on wall) 7.9m See Stage Dimensions document for a simplified diagram
<b>Wing depth</b>	PS: 2m (wing edge of leg curtain to wall) OP: 1.5m (wing edge of leg curtain to hoist barrier)
<b>Trapdoor</b>	2.1m from SL to front edge, 1.4m from CL to side edge Dimensions 0.54m x 0.69m
<b>Stage floor load limit</b>	750kg/m <sup>2</sup> or 450kg point load (excluding Orchestra Pit covers) See Stage Floor & Grid Specifications document for more details

## Stage Tower & Rigging

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<b>Tower height</b>	7.45m from stage floor (i.e. limited flying space above stage)
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<b>Fly system</b>	Type	Chain hoist lines
	Operated from	OP at stage level
	Total number of lines	13
	Batten drift	6m
	Batten type	50mm O/D pipe
	Batten length	12.7m
	Batten pick-ups	4 pickups at 3.2m intervals
	Batten WLL	40kg per metre, 300kg total
	Bars can be swung on request	
	See Stage Floor & Grid Specifications document for more details	

**Cyclorama** Dead hung on 13<sup>th</sup> line  
9m wide, 7m drop

**House curtain** Motorised (18s travel time), affixed to proscenium arch. Pink.

**Borders and legs** Dead hung as per hanging plot

**Scenery lines** Up to 2 available to hirers depending on state of bars and intended use

**Hanging plot** Bars are spaced 500mm apart, first bar is 1150mm from setting line.

Line #	mm from SL	WLL	Allocation
1	1150	300kg	Spare
2	1650	300kg	Border & Legs
3	2150	300kg	LX1
4	2650	300kg	Moving light bar
5	3150	300kg	Border & Legs
6	3650	300kg	Spare (track)
7	4150	300kg	LX2
8	4650	300kg	Border
9	5150	300kg	Traveller curtain
10	5650	300kg	Par bar (backlight and moving lights)
11	6150	300kg	LX3
12	6650	300kg	Legs (or backdrop)
13	7150	300kg	Cyclorama

**Staging units** 11 x 2.4m x 1.2m CLS stage decks  
3 x 1.2m x 1.2m CLS stage decks  
300mm legs to suit

## Orchestra Pit

<b>Floor dimensions</b>	9.1m wide x 2.8m deep Structural beam in centre at 1.3m from front wall (footprint 25 x 25cm)
<b>Roof height</b>	Under covers (downstage depth 1.3m): 2.5m Under stage floor (remainder upstage depth 1.5m): 2.2m
<b>Access</b>	Corridor from OP/Workshop. Door dimensions 1.1m x 2m.
<b>Covers</b>	10. Dimensions 0.9m x 1.45m each, weight ~25kg
<b>Conductor opening</b>	Determined by removal of pit covers (up to full stage width) Standard downstage-centre opening is 1.8m x 1.45m (2 covers)
<b>Conductor podium</b>	2.4m wide x 1.2m deep x 0.9m high
<b>Music stands</b>	16 x Manhasset Orchestral double-lipped stands 1 x Manhasset Regal double-width conductor's stand

18 x K&M 12235 LED sconce lights  
2 x RATstands Apollo LED sconce lights (w/dimmers)

## Power

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<b>32A 3Ø outlets</b>	8 in Patch bay (PS gallery) 1 at OP stage floor 1 in Workshop 1 in HVAC Plant Room 1 in Foyer
<b>20A GPOs</b>	1 on PS wall 1 on OP wall 2 each on Bridges 1 & 3 1 in Green Room 4 in Control Room
<b>10A GPOs</b>	12 at stage level 12 at bridge level 8 in Auditorium 16 in Orchestra Pit 2 in Trapdoor 5 in Control Room Various in Dressing Rooms, Green Room and Workshop

## Lighting

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<b>Control</b>	Chamsys MagicQ PC Maxi Wing w/2 x touchscreens Jands Event Plus 48/96
<b>Dimmers</b>	84 x 2.4kW per channel made up of: <ul style="list-style-type: none"><li>• 1 x Jands FPX (12 x 2.4kW DMX)</li><li>• 1 x LSC RED3 (12 x 2.4kW DMX)</li><li>• 5 x Jands GP12 (12 x 2.4kW DMX)</li></ul> 1 x Jands 4PAK II 1 x Jands 4PAK-D
<b>Switching</b>	12 x 10A changeover power relays. Controlled from Control Room and Stage Manager's desk. Direct switched (non DMX); Stage Manager's desk has parallel switches for relays 10 thru 12 only.
<b>DMX distribution</b>	2 x Enttec ODE 1 x Enttec Storm 24 3 x 4-way DMX splitters
<b>DMX inlets</b>	Control Room (2) Production desk
<b>DMX outlets</b>	Prompt side wing (Stage Manager's desk) Opposite prompt wing FOH boom positions
<b>Lanterns</b>	26 x Strand Cantata 1.2kW 18/32° Profiles 8 x Strand Cantata 1.2kW 26/44° Profiles 14 x CCT Silhouette 30 1kW 22/40° Profiles 8 x Selecon SPX 800w 15/35° Profiles 8 x Selecon SPX 800w 25/50° Profiles 8 x Selecon Acclaim Axial 600w 24/44° Profiles 2 x ETC Source Four Zoom 575w 15/30° Profile 1 x ETC Source Four Jr Zoom 575w 25/50° Profile w/iris

12 x CCT Minuette 650w 17/35° Profiles  
12 x Strand Patt 23 500w 20° Profiles

32 x Strand Cantata 1.2kW Fresnels w/barndoors  
6 x Selecon Compact 1.2kW Fresnels w/barndoors  
15 x CCT Minuette 650w Fresnels  
6 x Strand Patt 123 500w Fresnels

16 x Par 64 (VNSP, 120v)  
8 x Par 56 (MFL)  
5 x Par 36 Pinspots  
12 x Par 16 Birdies (240v)

6 x 4-way LDR Rima A500F Pro Cyc Battens (500w per cell)  
5 x 4-way Quartzcolor Orion Groundrows (1kW per cell)

4 x Strand Patt 137 500w Floods  
2 x 2-way Molefay Duet

#### **Intelligent fixtures**

2 x Martin ERA 600 Performance Moving Heads  
8 x Chauvet Rogue R2 Spot Moving Heads  
8 x Chauvet Intimidator Wash Zoom 450 Moving Heads  
18 x Event Lighting PARRGBW12x8 LED Pars  
20 x Chauvet SlimPAR Pro Tri LED Pars  
4 x Nitec ULTRA PAR UV LED Pars  
4 x ETC ColorSource Cyc Floods  
1 x 2.7kW Geni Golden Strobe

#### **Followspots**

2 x Strand Solo CSI (1kW CID)  
2 x Strand Solo 2K (2kW tungsten)  
1 x Prolite FS12-2.0K (2kW tungsten)  
1 x CCT Silhouette 15 (2kW tungsten)

#### **Smoke/haze**

2 x Antari Z-1500II DMX Smoke Machines  
1 x Jem Hazer Pro DMX Hazer

#### **Hardware**

8 x 600mm<sup>2</sup> boom pipe base plates  
8 x 3m boom pipes  
18 x boom arms  
24 x 185mm<sup>2</sup> City Theatrical 150mm top hats  
6 x 125mm<sup>2</sup> City Theatrical 100mm top hats  
2 x 245mm<sup>2</sup> City Theatrical 205mm top hats  
5 x 190mm<sup>2</sup> ETC 6" half hats  
1 x 190mm<sup>2</sup> ETC 3" short top hat

#### **Standard rig**

9 cell open whitewash  
3 x 3 cells downlight specials (9 grid)  
Front & top side two colour wash (warm & cold)  
Back & mid side LED colour wash  
Back colour beams  
Top and bottom rear molefays  
Shinbusters / low side white  
Birdie footlights  
Deckles  
4 colour cyclorama (battens & groundrow)  
Mirror ball and pinspots\*  
UV LED pars\*  
8 x moving spot lights\*

*\* additional charges apply. See Technical Services website for patch sheet & diagram.*

## Audio

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<b>Mixer</b>	Behringer X32 Compact (32 XLR + 6 aux inputs / 8 DCA / 16 aux / 6 matrices) Midas DL32 digital snake Behringer S16 digital snake
<b>FOH speakers</b>	2 x Meyer Sound UPJ-1P (left / right) 2 x Meyer Sound UPJunior (centre) 2 x Meyer Sound USW-1P subwoofers 5 x Meyer Sound UPM-1P (optional front fill & centre delay)
<b>Foldback speakers</b>	2 x RCF ART300A (above stage) 1 x Tannoy V8 (above apron) 2 x Bose 802-II (wings) 1 x Yamaha MS101-4 (Stage Manager monitor)
<b>Powered speakers</b>	3 x Quest QSA200i 2 x Yamaha MS20S
<b>Standard sends</b>	FOH Stage & Wings Foldback
<b>Wired microphones</b>	<i>Vocal</i> 1 x AKG D880 1 x Audio Technica AT2020 6 x Behringer XM1800S  <i>Instrument</i> 2 x Shure SM57 1 x Sennheiser e906 2 x AKG D770 6 x AKG P170 3 x Rode M3 2 x Behringer C2 5 x Sennheiser MZA 900 P preamps w/ME2 lapers and 4 x Rode violin clips 2 x Countryman I2 double bass/cello mounts 1 x Bartlett Cello Mic 1 x Shure Beta 52A 3 x Sennheiser e904 3 x Shure Beta 91  <i>Boundary</i> 2 x Audio Technica UniPoint U853A 2 x Bartlett TM-125C (floor)  <i>Lectern</i> 1 x Audix ADX218 (lectern gooseneck)
<b>Wireless microphones</b>	32 x Sennheiser ew 112 G3 bodypack systems w/JAG IM5A headsets 5 x Sennheiser SKM 100-845 G3 handheld mics (to suit above receivers) 1 x Sennheiser SKM 100-835 G3 handheld mic (to suit above receivers)
<b>Playback</b>	3 x Denon DN-C615 CD Players 1 x Sony CDP-D500 CD Player <b>NB: Cassette tape playback <u>not available</u></b>
<b>DIs</b>	4 x BSS AR-133 (active) 5 x Behringer DI100 (active) 2 x Radial USB-Pro (USB stereo) 1 x ARX Blue DI (Bluetooth stereo)

<b>System processing</b>	1 x Behringer DCX2496 (on FOH)
<b>Headphone distribution</b>	16 x Behringer P16-M personal mixers w/P16-MB mounting brackets 2 x Behringer P16-D distributors 10 x AKG K99 headphones 3 x AKG K52 headphones 2 x Shure SE215-CL earphones
<b>Microphone stands</b>	10 x K&M 210/9 black boom stands 7 x K&M 21070 black boom stands 10 x K&M 259 black short boom stands 8 x K&M 260 black straight stands (cast iron base) 2 x Generic desk stands (cast iron base) 4 x K&M 24030 drum rim mounts
<b>Standard rig</b>	1 x Behringer XM1800S microphone on prompt side w/stand Radial USB-Pro DI and minijack computer inputs in Control Room CD playback through 2 x Denon DN-C615 (no cassette tape) Sony CDP-D500 patched to foyer (for pre-recorded announcements) FOH system configured for LR stereo operation with summed centre downfill. Alternative LCR configuration provides independent centre channel coverage with front fills & centre delay.

## Communications

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<b>Talkback/Cans system</b>	Sound Developments Concert Intercom (2 channel)
<b>Substations</b>	9
<b>Headsets</b>	9 x Beyerdynamic DT108
<b>Standard rig</b>	Master station in audio rack next to audio desk Substations on prompt desk, OP desk, lighting desk and followspots

## Video

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<b>Projectors</b>	2 x NEC NP4100 w/2 x NP09ZL lenses, 1 x NP08ZL lens One permanently rigged on Bridge 1 w/Wahlberg DMX projector shutter
<b>Scan converters</b>	2 x Beneston (Video Access) VCF-009 HDMI/VGA/Composite to HD-SDI 1 x Decimator Design MD-DUCC HD-SDI to HDMI/YPbPr
<b>Cameras</b>	1 x Marshall CV344 w/VS-M2812A lens (colour) 1 x Marshall CV343-CS w/VS-M2812-2 lens (infrared) 2 x JVC GR-D250AA
<b>Illumination</b>	2 x 15 LED infrared illuminators permanently rigged on Bridge 1 2 x 4 LED infrared illuminators
<b>Switching</b>	1 x Blackmagic Design ATEM Television Studio HD
<b>Distribution</b>	1 x PRO2 SDI8SP HD-SDI splitter 1 x PRO2 SDI4SP HD-SDI splitter 1 x Kramer Electronics VM-10xl (10 x composite BNC out) 2 x 4-way composite BNC splitters 3 x 2-way composite BNC splitters 1 x Wahlberg DMX video fader

**Conductor monitors** 2 x NEC NLT-15G monitors permanently rigged on Bridge 1

**Standard rig**  
*FHD colour stage cam splits to:*  
Stage Manager's desk (PS)  
Assistant Stage Manager's desk (OP)  
Orchestra Pit  
Green Room (x 2)

*HD colour stage cam splits to:*  
Dressing Rooms 1 & 2  
Foyer  
Rear foyer (stage door entrance)  
Workshop

*FHD infrared stage cam splits to:*  
Stage Manager's desk  
Lighting operator

*CD/Laptop timecode cam splits to:*  
Stage Manager's desk  
Assistant Stage Manager's desk  
Lighting operator

## **Production Desk**

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**Location** Auditorium rows I and J, seats 8-11

**Technical Facilities** 2 x tables available, accommodating 2 people each  
Dimmable desk lamps  
Patch points for talkback, 2 x audio sends, DMX  
Double GPO

*This control location is only set up on request.*

## **Backstage Facilities**

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**Dressing Rooms** 2, each accommodates 10-15 people  
6 makeup mirrors  
Costume hanging rack

**Green Room** Accommodates 75+ people  
2 x Portable costume hanging racks  
5 x Full length mirrors  
Concertina wall splits room in half as required

**Show Relay and Paging** HD CCTV monitors throughout  
Audio relay speakers in Dressing Rooms, Green Room and Car Park  
Paging microphone on Stage Manager's desk

**Furniture** 5 x 2.5m trestle tables  
Approx 50 x padded chairs

**Amenities** 1 x Male and 1 x Female WC at stage level  
2 x Male and 2 x Female WC in Green Room  
1 x Male and 1 x Female shower in Green Room

## Front of House Facilities

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### Points of Sale

Ticket Box  
Front of House Manager's desk (staffed by Council)  
Kiosk (staffed by Council)

### Show Relay and Paging

CCTV monitor with audio relay on FOH Manager's desk  
Internal phone to Control Room for FOH Manager & Kiosk  
Pre-recorded audience calls sent from Control Room  
Venue-wide paging available from Control Room

### Amenities

2 x Male WC (including accessible / baby change table)  
3 x Male urinals  
5 x Female WC (including accessible / baby change table)