Don Russell Performing Arts Centre

DRPAC
DON RUSSELL PERFORMING ARTS CENTRE

Technical Specifications

Updated – Peter Carr
26/08/2026



Venue Contacts:

Venue Address	**Murdoch Road, Thornlie WA** **(Forest Lakes Forum Shopping Centre Complex)**
Venue Postal Address	**P.O. Box 662, Gosnells WA 6990**

STAGE

Brief Stage Description:

Stage is unraked with a proscenium. Stage floor consists of painted low sheen acrylic black 6mm Masonite sheets over Medium Density Particleboard and Concrete. A Stage Crossover exists between dressing room and dock/prompt side stage entrance. Screwing into surface with short screws is permitted but larger holes are to be authorised by the Head Technician.

Stage Distributed Load Limit: **House Standard Concert Floor - No Limit.**
Rostra Units - 300kg point load per unit.

Stage Dimensions:

Overall Dimensions – 9.7m wide x 4.74m Deep

Proscenium

- Opening Width **7.5 metres**
- Opening Height **4 metres**
- Depth **4.74metres**

Setting Line

- 200mm upstage from the DS edge of the stage when the stage extension is out.

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

- SL to DS edge of stage extension **1.35m (half depth)**
  1.80m (med width)
  2.70m (full depth)
- SL to rear wall **4.54 metres**
- CL to OP wall (or obstruction) **4.85 metres**
- CL to PS wall (or obstruction) **4.85 metres**
- Stage to underside of grid **4.5 metres**.

Overhead obstructions

- All air-conditioning ducts are above the grid line

Auditorium:

- Raked, one level seating
- Seating capacity with full depth thrust installed **190**
- Seating capacity without thrust installed **216**

NOTE: Standard thrust is a carpet surface.

Orchestra Lift / Pit:

- No Orchestra Pit – Alternative options available

Flying Facilities:

- No Fly System

Drapery: *Please note these are fixed positions*

Type	Material	Colour	Width	Height	Quantity
House Curtain	Velveteen	Purple	4m	4.5m	2
House Border	Velveteen	Purple	8.5m	1.0m	1
Borders	Wool	Black	7.5m	0.5m	2
Legs	Wool – on tracks	Black	3m	4.5m	4
Cyclorama	Cotton	White	7.5m	4.5m	1
Back wall Curtain	Wool	Black	4m	4.5m	2

Access Equipment:

Dingli S036-RS Compact Scissor Lift – (Yellow Ticket Required to Operate)
Lift Height: 5.6m.
Capacity: 240kg

Ladders

- 6m Aluminium Extendible
- 3.7m Aluminium 'A' frame platform
- 2.5m Aluminium Articulated 3 Join

Staging Units:

Stage extensions are timber deck with aluminium frame

- 8 x 2000mm x 1000mm deck tops
- Legs – 300mm standard
- Legs – 400-600mm variable height

Stage Covers:

- Style: 6mm Masonite sheets over MDP and Concrete (permanent). Low pile carpet (Ezistage units).
- Dimensions: 7.5m wide by 4.74m deep (6.09m with small extension; 6.54m with medium extension; 7.44m with full extension)
- Colour: Black

Stage Traps:

No stage traps

Loading Dock:

Truck access via carpark at the back of the theatre. Truck able to reverse up to loading dock.

- Loading Dock Height from ground **2.4 metres**
- Loading Dock Door Dimensions **2.40 meters** High
  2.35 metres Wide
- Stage Door Dimensions **2.45 metres** High
  2.10 metres Wide

Additional Rigging Notes

There are no bars allocated for set. The only bars available are the ones used for LX.

LIGHTING

Positions:

Stage LX Bars: Bars are not movable from their standard position

- **FOH #1**
  Setting Line to lighting bar: **5.5m**
  Usable bar width: **12m**
  Notes: Working load 200kg
- **FOH #2**
  Setting Line to lighting bar: **9.4m**
  Usable bar width: **12m**
  Notes: Working load 200kg
- **FOH Perches (OP & PS)**
  Setting Line to FOH Perch: **5.5m**
  Maximum lanterns per perch: **Maximum (3) prolite 650w profiles**
  Notes: **3 boom arms per Perch**
- **LX #1**
  Setting Line to lighting bar: **0.2m**
  Usable bar width: **9m**
  Notes: Working load 200kg
- **LX #2**
  Setting Line to lighting bar: **2.6m**
  Usable bar width: **9m**
  Notes: Working load 200kg
- **LX #3**
  Setting Line to lighting bar: **4.1m**
  Usable bar width: **9m**
  Notes: Working load 200kg

LX Control:

Lighting desk **ETC ION xe20 Lighting Control Desk**

Control channels **2048 Channels**

Signal output **DMX 512 and Ethernet**

Signal distribution **Control Room**

Dimmer Racks:

Total Dimmers: **5**

Dimmer Locations: **Control Room**

- 2.4Kw Dimmer Racks: **Jands FPX**
  Total dimmers @ 2.4kw per dimmer: **60**

- 5Kw Dimmer Racks: **0**
  Total dimmers @ 5kw per dimmer: **0**

***DRPAC also has two data splitters and a 12 outlet 3 phase distribution board**

House Lights:

Independent control: **Yes**
Control positions: **Control Room**
Fade time adjustable: **No**
Type: **LED**

Stage Luminare:

Profiles

Make	Model	Angle	Detail / Accessories	Watt	Total
ETC	Source Fours	25/50	26 Top hats 26 Gel fames 8 irises 8 Gobo holders B	650 w	**16**

LED:

Make	Model	Detail / Accessories	Watt	Total
LED Pars 64	EA – P64D S/D		30w	**5**
Chevet	Ovation Cyc -1	RGBAL cyc units	133w	**6**
Chevet	Ovation 415-fc	RGBAL Fresnel	164w	**4**
Chevet	Ovation 910-fc	RGBAL profile, (Strobe option)	234w	**6**
Tourpro	SlimPar 7	RGBAWUv		**8**

Moving lights:

Make	Model	Detail / Accessories	Watt	Total
Chevet	Rogue RX1	LED, RGBW Moving Zoom wash	164w	**8**
Ckc / Lightsky	Aurora V6	Moving profile, white Led source, full colour wheel, rotating gobo wheel, standard gobo wheel, full shutter, iris	550W	**2**
CKC	Aurora V3	300w BSW white Led source, full colour wheel, rotating gobo wheel, standard gobo wheel, iris	300W	**4**

Followspot:

Make	Model	Angle	Detail / Accessories	Watt	Total
FOS Technologies	Leed 350	7 - 13	electronic Zoom and Focus, 8000K, 24000lm, Color wheel 7 colors + open white, cto 3200k+4500k+5600k, 13kg	350W	1
Selecon Pacific		7.5 – 19	4 colour changer	1200w	**1**

Additional Lighting:

Item	Make	Model	Detail / Accessories	Watt	Total
Pin spots	Saber spot		RGB	30w	**2**
Mirror Ball		20inch	Heavy Duty Motor		**1**
Haze	Smoke Factory	Tour Hazer II	DMX controlled Hazer	2500 hz	**1**
Portable Appliance Tester	Kyoritsu	6201A			**1**

Patching:

Location	Quantity	Numbering (PS to OP)	Detail / Accessories
FOH 1	10	34 – 44	Twin Circuits
FOH 2	9	45 – 53	Twin Circuits
FOH Perches PS	4	60 – 63	Twin Circuits
FOH Perches OP	4	56 – 59	Twin Circuits
LX 1	11	23 – 33	Twin Circuits
LX 2	11	12 – 22	Twin Circuits
LX 3	11	1 – 11	Twin Circuits
Floor PS	2	54 – 55	Twin Circuits, Two 10amp GPO
Floor OP	2	64 – 65	Twin Circuits, Two 10amp GPO

Power:

3 Phase Outlets

- OP side of stage near the Stage Management Desk.
- Dimmers connected straight into the building power.

Cabling:

240v Extension Cable

- The theatre has sufficient stock of extension leads to accommodate the venue's standard lighting rig. There is extra stock allocated for onstage or audio equipment.

Lighting Notes:

- None of the venue bars can be swung or flown in.
- There is a DMX run from the Bio box to the stage and DMX splitter can be located on stage for multiple circuits.

AUDIO

Main Auditorium

Control Positions:

Bio Box/FOH Mix Position

- Centre stage back of seating.

Control & Amplification:

Audio Console:

- Midas M32 32 channel digital mixing console

Amplifiers:

- Lab Gruppen D80:4L
- Lab Gruppen D40:4L

FOH Processor:

- Nexo PS15 TD Controller*

Speakers:

FOH Speakers

- (3) Adamson IS7PX
- (2) Adamson AD-PC8
- QSC K18 powered subwoofer
- (2) EV 1600 powered subwoofer, installed

Foldback

- 6 QSC k2.12 wedge speakers

Studio

Control Positions:

- South wall to front of building

Control & Amplification:

Audio Console:

- Behringer X32 Compact digital mixing console

Amplifiers:

- Void Bias Q2 1250w Amplifier
- Bose Controlspace DSP 12 x 8 - Dante

Speakers:

FOH Speakers

- (4) Void Venue 12 V2/B 12”

Playback:

- **RTI 8” Touchscreen**
- RTI control Processor
- AJ- WPBT-W Bluetooth wall plate

Playback:

- Contact Head Technician for playback integration.

Item	Make	Model	Detail	Total
Desktop	Apple	Mac Mini	Integrated in control room for audio / video playback. With QLAB	**1**
Laptop Playback	HP	Probook 450GB	Networked Laptop For audio visual requirements.	**1**
Laptop Playback	Apple	Macbook pro	Networked Laptop For audio visual requirements. With QLAB	**1**

Microphones/DIs:

Make	Model	Detail / Accessories	Use	Total
Shure	Uldx	Radio Microphone Receiver	*	16
Shure	ULdX/SM58	Handheld Radio Microphone	*	16
Shure	WL185	Radio Lapel Mic Kit	*	6
Shure	Uldx-L51	Radio Headset Mic Kit	*	16
Shure	SM57	Instrument Microphone		2
Shure	SM58		Vocal	4
Shure	Beta 57a		Instrumental	3
Shure	Super 55	Classic vocal mic	vocal	1
Audix	D6	Kick Drum Mic		1
Audix	i5	Snare Drum Mic		1

Audix	D2	Tom Mic		2
Audix	D4	Floor Tom Mic		1
Audix	Drum mic clips	Set of clips		4
Shure	Beta 52a	Kick Drum Mic		1
AKG Perception live	P2	Kick drum mic		1
AKG Perception live	P17	Overhead Condensers		2
AKG Perception live	P4	Tom Mics		4
	P4 Clips	To suit toms		4
Rode	NTG-3	Shotgun Mic	Stage Overhead	2
Rode	NTG-2	Shotgun Mic		2
AKG	C1000s	Condenser		4
Peavey	PVM	Condenser		2
Audio Technica	PRO45	Cardioid condenser	Drop mics	3
Beyer	SHM205A Lectern			1
Behringer	Ultra- DI			3
Behringer	Ultra- DI20	Two channels		3

- Only 4 radio microphone channels can be used simultaneously. The Handheld SM58, lapel, and headset microphones are interchangeable but cannot all be used at once.

Accessories:

Item	Model	Detail / Accessories	Total
Konig & Meyer Starline	Soft-Touch	Tall Boom	5
Konig & Meyer Starline	Soft-Touch	Short Boom	5
Konig & Meyer	Round Base	Tall Straight	3
Konig & Meyer	Round Base	Short Boom	3
Stage Boom		Drillable for Stage Mics	2

Patching:

Location	Inputs	Outputs/Returns	Detail
Stage Loom	*24*	*8*	*Fixed Stage to Bio Box, 50m.*
Sm Console	*32*	*0*	*Dante linked system to Bio box, patching for 32 channels only at desk.*

- Discuss potential patching capabilities with Head Technician

Cabling:

Audio Cable

- Sufficient XLR cabling to service venue/production needs.

Multicore

- 50m 24 send 8 return FOH multicore
- 15m 8way XLR return Multicore

AUDIO VISUAL

Projectors:

Type	Model	Detail / Accessories	Total
Epsom (Main Auditorium)	EB-PU2216B	16k Lumen Wuxga Laser projector, ultra short throw	**1**
Epsom (Studio)	EB-L260F	4600 Lumen 1080P Laser Projector	**1**
Panasonic	PT-DW750WA	ET-DLE030 - Fixed ultra-short lens	**1**
Sony	VPL CX 120	3000 ansilumens	**1**
Samsung Laptop Computer	i7 quad core	Logitech Wireless Presenter R400	**1**

Screens:

Projection Screen

- Front projection onto the CYC that is permanently rigged at the back wall of the stage.
- *Screen Dimensions*: **4.m high, 7.15m wide** (approx. 16:9 ratio)
- Studio Screen – Automated Grandview 102" – 2.3m x 1.3m

Cabling:

- Sufficient cabling for AV projection and accessories (HDMI, VGA, ETC.)

Audio Visual Notes:

- The projector's standard position is rigged 1.8m from screen in grid, audio, power and CAT5 data cabling permanently installed.
- Operation can be from side stage or bio box prompt desk.

BACKSTAGE

Communications:

Stage Managers Desk

- The Stage Managers desk is located stage right and has access to talkback.

Talkback

- **Hollyland Wireless Comms**
- Master Unit Ezycom Partyline Talkback
- Secondary **Jands Ezycom Talkback**
- Wall mounted access plates in studio and greenroom
- Total sub stations **10**

In-House Camera Feed

- The in-house camera feed consists of 5 flat screens.

Screen Location: Front Office/Box Office, Dressing Room, Foyer, Portable flat sceen and alongside the Stage Manager's Desk.

Camera feed, one FOH of the stage.

The FOH camera feed is sent to the Dressing Room, the Stage Manager desk, Foyer and Front Office/Box Office.

This system allows Front of House to monitor the show and the backstage area during a performance, the actors to see what is happening on stage and allows the Stage Manager to call the show from backstage or the Bio Box.

- TV Screens
  - ChiQ L24G5W 25" LCD TV (SM, Box office)
  - ChiQ L32G5W 32" LCD TV (Greenroom, Foyer)
  - ChiQ U55G7PG 55" LCD TV (Portable)
- Cameras **Camera - HI Res Low Lux**

Paging

- The theatre has multi-zone paging system from Box Office.

Dressing Rooms:

Dressing Room	Capacity	Toilets	Shower	Details
Dressing room #1	12	(1) M (1) F	(1) M (1) F	There is a shower in each bathroom

Laundry / Wardrobe:

- Washing Machines **COMBO**
- Dryers **COMBO**
- Drying Rooms **N/A**

- Iron / Ironing board **1/1**
- Clothes Racks **Built into a separate wardrobe room, adjoining dressing room. Plus 1 portable Rack unit**

Production Facilities:

Production Desk

There is a production desk available on opposite prompt corner along with curtain controllers and com system. Sound can also be controlled from here, if requested.

Greenroom:

- Tea / Coffee facilities: **Yes**
- Fridge / freezer: **Fridge**
- Microwave: **Yes**
- Running water: **Yes**

ADDITIONAL FACILITIES & INFORMATION

Piano with bench

- Piano - Yamaha Upright – Black
- Bench – Beale Duel Height Adjustable Duet with storage - Black

Studio:

The Venue also contains a dance studio that is available for hire.

- 7.5m x 11.5m
- 83 Person Maximum Capacity
- Sprung wooden floor

Kitchen:

The Venue Contains a Kitchen that is also available for hire with your event.

- Fridging capabilities
- 10 Person Capacity

Venue Information:

The theatre is fitted with an in house Talk Back System and Live Audio and Visual stage

feed. Headsets are permanently located at the Audio Front of House Desk, Lighting Control Room, Stage Managers Desk, and Front of House Box Office. Additional headsets are available for use in other locations, including the Green Room. There is no wireless radio talk back.

If you are planning to use any curtains, backdrops, or other stage dressings including sets in your production, please note that they must comply with Health (Public Buildings) Regulations 1992 – Reg 23.

If changes to the standard lighting rig are required, such as modification of existing fixtures or installation of additional equipment, allowance must be made by the hirer for the in-house lighting rig to be reinstalled to standard during bump out.

Should you require additional equipment or would like to provide your own, contact must be made with the venue as any external equipment will need to be approved by the Head Technician in accordance with AS/NZS 3760.

Should you have any questions in regards to the information enclosed or on any other technical aspect of your event, please contact the Venue or Head Technician.

VENUE: Don Russell Performing Arts Centre

Venue Contacts:

Venue Address	**Murdoch Road, Thornlie WA** **(Forest Lakes Forum Shopping Centre Complex)**
Venue Postal Address	**P.O. Box 662, Gosnells WA 6990**

Staff Contacts:

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