

# Canberra Theatre Centre

## *Playhouse*

### **Technical Specifications**

Updated  
15/12/2010

**Technical Director: Rohan Cutler**

Phone number: 02 6243 5736  
Mobile Number: 0420 578459  
Fax number: 02 6243 5721  
Email address: rohan.cutler@act.gov.au

**Venue:**

Phone number: 02 6243 5711  
Fax number: 02 6243 5721  
Website: www.canberratheatre.org.au

***Additional contact details are located on the final page***

## **STAGE**

### **Brief Stage Description:**

Unraked stage with a proscenium arch consisting of flown teaser and adjustable tormentors. 25mm plywood with 5.5mm tempered Masonite overlay. 8G tech screws may be used, and holes up to 10mm may be drilled providing screws are removed and holes plugged with hardwood dowels.

Stage distributed load limit	<b>750 kg/m<sup>2</sup></b>
Stage point load limit	<b>450kg</b>
Stage rake	<b>No</b>

### **Stage Dimensions:**

#### **Proscenium**

Width	<b>Max. 14m - Min 11m</b>
Height	<b>Max 7.5m – Min 5.5m</b>

#### **Setting Line**

DS edge of stage

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

SL to DS edge of apron	<b>0.0m</b>
SL to DS edge of Orchestra Lift/Pit	<b>2.5m</b>
SL to first fly line ( <b>line 7</b> )	<b>1.48m</b>
SL to last upstage fly line	<b>11.2m</b>
SL to rear wall	<b>20.3m</b>
CL to OP wall (or obstruction)	<b>13.8m</b>
CL to PS wall (or obstruction)	<b>9.9m</b>
Stage to underside of grid	<b>17m</b>

#### **Overhead obstructions**

Fixed bridge at 8.4m above stage level and 400mm upstage of last fly line.

### **Auditorium:**

Auditorium consists of stalls and 2 balcony levels.

Seating capacity with additional Orchestra lift/pit seating installed	<b>618</b>
Seating capacity <u>without</u> Orchestra lift/pit seating installed	<b>585</b>

Orchestra Lift / Pit:

**Orchestra Pit**

A motorised orchestra lift is operational.

Set positions for orchestra lift where lift at auditorium level is 0mm

Stage level is at **800mm** above auditorium.

Orchestra pit level is at **2000mm** below auditorium.

Lift can be set at any height **Yes**

SWL of orchestra lift **Unknown**

Dimensions of the orchestra pit **3.5m at centre reducing to 2.0m at the sides**

Orchestra pit maximum capacity **approximately 20**

Flying Facilities:

**Fly System**

Single purchase handline system. House curtain is on a motor winch.

**Fly System Details**

Operating Position	<b>PS at stage level</b>
Total number of Lines	<b>55</b>
Panorama Lines	<b>2 bars PS, 2 bars OP. Operated by lines P1 through P4.</b>
Batten Drift	<b>16.7m</b>
Batten Type	<b>50x75mm RHS</b>
Batten Length	<b>14.6m (Lines 1 to 6 @ 13.7m)</b>
Batten Extensions	<b>N/A</b>
Batten Pick-ups	<b>(5) pick ups, 1 at Centre, others at 3.4m, 6.8m.</b>
Batten Point Load	<b>360kg</b>
Batten W.L.L.	<b>450kg</b>
Cradle Capacity	<b>350kg</b>
LX bars can be swung	<b>Yes</b>
Fly bars can be swung	<b>Yes</b>

*SEE HANGING PLOT FOR LINE ALLOCATIONS AND FURTHER INFO*

**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 load including bar weight*

Line #	Distance from SL	Line Type	W.L.L	Venue Allocation	Intended Use <i>(hiring company use)</i>
1	-0.730	SP	500kg		
2	-0.530	SP	"	n/a with speakers	
3	-0.330	SP	"	FOH centre speakers	
4	-0.130	SP	"	n/a with speakers	
5	0.068	SP	"	FOH centre speakers	
6	0.265	SP	"	FOH side speakers	
	0.745	HW	"	Teaser	
	1.155	MW	"	House Curtain	
7	1.480	SP	"		
8	1.680	SP	"		
9	1.880	SP	"		
10	2.080	SP	"		
11	2.280	SP	"	Border	
12	2.480	SP	"	Legs	
13	2.680	SP	"	LX 1	
14	2.880	SP	"		
15	3.080	SP	"		
16	3.280	SP	"		
17	3.550	SP	"		
18	3.750	SP	"		
19	3.950	SP	"	Border	
20	4.150	SP	"	Legs	
21	4.350	SP	"	LX 2	
22	4.550	SP	"		
23	4.750	SP	"		
24	4.950	SP	"		
25	5.150	SP	"		
26	5.350	SP	"		
27	5.550	SP	"	Tabs	
28	5.750	SP	"	Border	
29	5.950	SP	"	Legs	
30	6.150	SP	"	LX 3	
31	6.350	SP	"		
32	6.550	SP	"		
33	6.750	SP	"		
34	6.950	SP	"		
35	7.150	SP	"		
36	7.350	SP	"		
37	7.550	SP	"	Border	
38	7.750	SP	"	Legs	
39	7.950	SP	"	LX 4	
40	8.150	SP	"		
41	8.420	SP	"		
42	8.620	SP	"		
43	8.820	SP	"		
44	9.020	SP	"		

45	9.220	SP	"		
46	9.420	SP	"	Border	
47	9.620	SP	"	Legs	
48	9.820	SP	"	Flood Bar	
49	10.020	SP	"		
50	10.220	SP	"		
51	10.420	SP	"		
52	10.620	SP	"		
53	10.820	SP	"		
54	11.020	SP	"	Tabs	
55	11.220	SP	"	Cyclorama	
P1		SP	"	PS Panorama Tabs	
P2		SP	"	OP Panorama Tabs	
P3		SP	"	PS LX ladders	
P4		SP	"	OP LX ladders	
P5		SP		Not in use	Not available for use
P6		SP		Not in use	Not available for use

Drapery:

*Type	Material	Colour	Width	Height	Quantity
House Curtain	Velour	Blue/Grey	17.5m	8.2m	1
Borders	Wool, flat	Black	16.2m	3m	5
Legs	Wool, flat	Black	3.1m	8m	10
Tabs	Wool, flat	Black	14.6m	8m	2
Cyclorama	Plastic	Opal	16.2m	8.3m	1
Scrim	Sharks tooth	Black	14.6m	8m	1
Scrim	Sharks tooth	White	14.6m	8m	1
Panorama Tabs	Wool, flat	Black	10m	10m	2

Access Equipment:

**Elevated Work Platform**

Genie GS-1932, operator driven.  
Maximum reach 5.8m

Upright UL-40, push around vertical lift.  
Maximum reach 12m

Tallescope, wheeled ladder.  
Maximum reach 5.9m

**EWP Restrictions**

With both the Upright UL-40 and the Tallescope outriggers must be used and one staff member must be located at the base whilst in use.

**Ladders**

- 1 x 0.9m aluminium stepladder
- 1 x 3.0m aluminium stepladder
- 2 x 1.8m aluminium stepladder
- 1 x 5.43m to 7.1m aluminium extension ladder

Staging Units:

20 timber rostra with metal scissor action adjustable legs. 1m x 2m with height adjustable in 200mm increments. (i.e., 200mm, 400mm, 600mm, 800mm, 1000mm)

Stage Covers:

<b>Style</b>	Tarkett
<b>Dimensions</b>	8 rolls of 2m x 12m
<b>Colour</b>	Black

Stage Traps:

None currently available

Safety Curtain:

Safety Curtain installed      **No**

Loading Dock:

**Access:** Truck access is via car park off London Circuit.  
Truck is able to reverse up to loading dock.

Loading Dock Height	<b>1285mm</b>
Door Dimensions	<b>Approx. 4.0m High x 4.3m Wide</b>

OP Side Door

**Access:** Good for utilities, vans and small trucks.

Door Dimensions	<b>Approx. 2.4m High x 2.2m Wide</b>
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**Restrictions / Obstructions**

Area in front of loading dock is used as a staff car park at other times.

Additional Rigging Notes

The Head Mechanist is only too pleased to answer any questions with regards to rigging.

Staging Notes:

All flown items must be rigged with rated equipment and is subject to approval by a venue representative.

There is limited rigging gear available in house. Including lifting straps, FSWR lines, shackles and some pulleys.

Forklift and licensed operator is available onsite.

## **LIGHTING**

### **Positions:**

**Stage LX Bars** LX bars can be swung from their standard positions

*See hanging plot for standard LX bar locations*

#### **FOH Bridge #1**

Setting Line to lighting bar **5.15m**

Usable bar width **14m**

#### **FOH Bridge #2**

Setting Line to lighting bar **10.25m**

Usable bar width **14m**

#### **Balcony Bar**

Setting Line to lighting bar **15.25m**

Usable bar width **32m**

#### **FOH Perches (PS & OP)**

Setting Line to FOH Perch **Three level Juliet Boxes down stage of setting line**

Maximum lanterns per boom **4 per level**

### **Control:**

Lighting desk **Strand 520**

Control channels **650**

Signal output **DMX 512**

Signal distribution **Two Streams of DMX**

Remote riggers available onstage **Yes**

### **Dimmer Racks:**

**Total Dimmers** **420**

**Dimmer Locations** **FOH Dimmer Room, Basement, Op Gallery**

2.4Kw Dimmer Racks **Bytesize**

Total dimmers @ 2.4kw per dimmer **324**

5Kw Dimmer Racks **Bytesize**

Total dimmers @ 5kw per dimmer **96**

### **House Lights:**

Independent control **Yes**

Control positions **Control Room, Prompt corner, Stage Manager's Desk**

Fade time adjustable **Yes but only in control room**

Stage Luminare:

**Profiles**

Make	Model	Angle	Detail / Accessories	Watt	Total
Altman	Shakespeare	20	FOH Bridge 2	600	<b>24</b>
Altman	Shakespeare	30	4 on each of LX 1,2,3,4 & Bridge 1	600	<b>20</b>
Altman	Shakespeare	40	4 on each of LX 1,2,3,4 & Bridge 1	600	<b>20</b>
Altman	Shakespeare	15/35	4 on each of Juliet boxes level 1&2	600	<b>16</b>
Altman	Shakespeare	15/35	Storeroom	600	<b>2</b>
Strand	SL	15/35	Storeroom	600	<b>10</b>
Prolite	PR5	15/35	Storeroom	500	<b>18</b>
Prolite	PR7	20	Storeroom	600	<b>28</b>

**Fresnel's**

Make	Model	Detail / Accessories	Watt	Total
Prolite	PR20-F	Barn doors	2000	<b>32</b>
Prolite	PR10-F	Barn doors	1000	<b>56</b>
Prolite	PR10-PC	Barn doors	1000	<b>28</b>

**Par Cans**

Make	Model	Angle	Detail / Accessories	Watt	Total
	Par 64	MFL	Single 110V on hook clamp with splitter	1000	<b>36</b>

**Wash**

Make	Model	Detail / Accessories	Watt	Total
Ianaro	Pallas 4	4 cell ground row	625	<b>10</b>
Selecon		4 cell flood bar	500	<b>10</b>

Followspots:

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Performer		6 colour magazine	1200	<b>1</b>

Patching:

Location	Quantity	Numbering (PS to OP)	Detail / Accessories
FOH Bridge 1	36	1-36 (red)	All 211 FOH patch points have 96 dimmers available to them
FOH Bridge 2	36	1-36 (white)	
FOH Bridge 3	52	1-52 (blue)	
FOH Balcony 1	29	1-29 (yellow)	
FOH Balcony 2	58	1-58 (green)	
OP Gallery	138	97-234	96 x 2.5kW, 42 x 5kW.
PS Gallery	12	235-246	12 x 2.5kW U/S
Juliet Box level 2	6	247-252	PS 2.5kW
Juliet Box level 1	6	253-258	PS 2.5kW
Juliet Box stage level	6	259-264	PS stage level 2.5kW
Basement	18	265-282	PS D/S 2.5kW
PS Gallery	12	283-294	D/S 2.5kW
Pit Traps	6	295-300	2.5kW
Pit Wall	6	301-306	2.5kW
Rear stage wall	6	307-312	5kW
Basement	30	313-342	PS U/S 12 x 2.5kW, 6 x 5kW
Juliet Box level 2	6	343-348	OP 2.5kW
Juliet Box level 1	6	349-354	OP 2.5kW
Juliet Box stage level	6	355-360	OP stage level 2.5kW
Basement	18	361-378	OP D/S 2.5kW
OP Gallery	12	379-390	D/S 2.5kW
Basement	30	391-420	OP U/S 12 x 2.5kW, 6 x 5kW

Power:

**3 Phase Outlets**

- 40 Amp 3 phase outlets
- 1 Prompt corner
- 1 U/S OP
- 2 U/S Basement

Cabling:

**240v Extension Cable**

- (100) 10m**
- (50) 7m**
- (50) 5m**

**Looms**

- (10) 4-way at 15m**

Lighting Notes:

- FOH standard rig gives an excellent front 4 colour wash
- (10) 2m x 5 rung wheeled floor ladders available (1 lantern per rung.)
- The ladders are extendable to 4m with attachable pipe.
- On stage spot bars have 24 circuits each and are 13m in length
- 3 phase supply available in basement U/S PS (Licensed Electrician to wire in)

**Audio:**

**Control Points:**

Control Room           **Yes**  
Location Detail       **Rear centre of auditorium stalls. Dedicated position, no seats pulled**

Auditorium           **No**  
Location Detail       **NA**

Total seat allocation       **NA**

**Control & Amplification:**

Primary Mixer

**Digico SD8 + Madirack (Madirack: 48 mic I/P, 16 line O/P) (SD8: 60 stereo or mono channels, 8 local XLR I/P, 8 local XLR O/P, 8 local AES/EBU I/P & O/P, 24 mix bus, 12 DCA, 12 x 12 matrix, 6 FX, 12 Internal 31 band EQ)**

**Yamaha M7CL-32 (32 mono mic/line inputs and 4 stereo line inputs, 16 mix buses, LCR bus, 8 matrixes.)**

Secondary Mixer

**Yamaha DM1000 (16 analogue mono mic/line inputs, 16 digital I/O via MY16-AT, 8 mix buses, 8 auxiliary buses, LR bus.)**

**Allen & Heath GL 4000, 20 Channel, 4 stereo inputs, 8 aux sends, 8 groups, phantom power**

**Yamaha 03D 16 channels, 4 aux sends, 4 bus outputs phantom power**

Note: all mixing consoles are shared across venues, please check on availability.

Amplifiers

**(8) Alcons ACL2 Power Amp, 2 Channel - FOH**

**(3) Crest CKS400 power Amp, 2 Channel – FB**

EQ

**(3) ARX 31 Band Graphic EQ**

FX

**(2) M2000**

**(1) Lexicon 480**

Compression / Limiter

**(2) DBX 160A**

**(2) DBX 1046 Quad Compressor**

**(2) DBX 1074 Quad Gate**

**(1) TC Electronics Finalizer**

**Speakers:**

FOH Speakers

**(4) Alcons VR12 x 2 per side D/stage either side pro- arch, 12" LF 6" Ribbon HF**

**(8) Alcons LR14 x8 Vertically arrayed centre cluster 2 x 6.5" LF + 4" Ribbon HF**

**(3) Alcons LR14B x 3 Stacked on top of C array. Subs 2 x 12"**

Foldback

**(4) EAW 112**

Playback:

Item	Make	Model	Detail	Total
Minidisc player	Denon	DN-M1050R	Single Minidisc player	2
CD Player	Marantz	PMD340	Single CD player	2

Microphones:

Make	Model	Detail / Accessories	Use	Total
Shure	BetaSM87A	Clips	Vocals	4
Shure	BetaSM58A	Clips	Vocals	5
Shure	SM58	Clips	Vocals	3
Shure	SM57	Clips	Instruments	12
AKG	CK93	Clips	Instruments	8
AKG	CK98	Clips	Distance miking	4
AKG	SE300B	Clips	Preamp for 93/98	8
AKG	451	Clips	Instruments	4
AKG	C414	Clips	Various	2
Earthworks	TC 40K	Clips	Various	2
CAD	ST 100B	Cables	Boundary	4
Beyer	M88	Clip	Instrument	2

Accessories:

Item	Model	Detail / Accessories	Total
Microphone stands	Round base	Straight	6
Microphone stands	Tri base	Straight	1
Microphone stands	Tri base	Boom arm tall	12
Microphone stands	Tri base	Boom arm short	6

Line Patching:

Location	Quantity	Numbering (PS to OP)	Detail
Orchestra Pit	12	1 - 12	Various
PS Stage	24	1 - 24	Various
OP stage	24	1-24	Various
LX Booth	24	1-24	Various

Speaker Patching:

Location	Quantity	Numbering	Detail
Various through out venue	25	Various	Various through out venue

Cabling:

**Audio Cable**

Canare cable with Neutrik connectors x 32 – various lengths. Good selection of patch cables.

**Multicore**

JANDS	x1	50m (12 XLR Male Tail to 12 XLR Female Stage Box)
JANDS	x2	25m (12 XLR Male Tail to 12 XLR Female Stage Box)
PA PEOPLE	x1	25m (12 XLR Male Tail to 12 XLR Female Stage Box)
CTC	x1	15m (4 XLR Female Tail + Single Phase 240V to 4 XLR Male Stage Box + 4 Linked Single Phase 240V Outlets)
CTC	x1	30m (4 XLR Female Tail + Single Phase 240V to 4 XLR Male Stage Box + 4 Linked Single Phase 240V Outlets)

Audio Notes:

- There are various mic patch points throughout the facility
- Please note that microphone inventory and mixing consoles are shared between venues, please ask for availability.

## AUDIO VISUAL

### Projection Room:

NA

### Projectors:

Type	Model	Detail / Accessories	Total
NA		Hired as required	

### Screens:

#### **Projection Screen**

Cyclorama can be used for front or rear projection. Otherwise screens are hired as required and can be flown from any convenient fly line.

Screen dimensions **9' x 12' & 12' x 16' locally available with front or rear surfaces**

#### **Additional Screens**

NA

Screen dimensions NA

### AV Playback Equipment:

Item	Model	Detail / Accessories	Total
DVD player	Sony HX-710	Single DVD player/recorder	1

### Projector Rigging Points:

Projector cradles can be rigged from any available horizontal bar or fly line including the 1<sup>st</sup> and 2<sup>nd</sup> circle bars.

### Cabling:

Video coaxial and VGA cables available. 50m of each. Patching, composite VDA's and monitors available. No large format screens.

### Audio Visual Notes:

Video link between FOH and stage is available.

Video link between bio box to stage is available.

There are many video links available from prompt corner to various areas in the theatre.

**BACKSTAGE:**

Communications:

Stage Managers Desk

**Stage Managers desk is located in prompt corner. The desk can be moved within this area and is fitted with a light, clock, and phone.**

Talkback

Master Unit                      **ClearCom MS440, 4 loops.**

Total sub stations            **12**

Total headsets                **Beyer DT109 x 12**

Radio Units In-house        **BTR 200, 4 belt packs**

Talkback patching located at

- **US C**
- **DS PS**
- **DS OP**
- **Fly Rail x 2**
- **LX Control**
- **AX Control**
- **Basement**
- **Follow Spots**

Paging / Show relay

**Paging to the dressing rooms is available from the stage managers desk. Show relay is distributed to all dressing rooms and green room.**

Stage Monitor

**TV's set-up in green room, foyer, SM position and dressing room corridors. Camera located on Centre of the Balcony Bar.**

Q Light System

In house Q light system                      **Yes**

Number of units                                      **4**

Dressing Rooms:

Dressing Room	Capacity	Toilets	Shower	Details
1	4	Yes	Yes	'Star' room 1 with private wc & shwr
2	4	Yes	Yes	'Star' room 2 with private wc & shwr
3	4	Yes	Yes	Shared shower / toilet with room 4
4	4	Yes	Yes	Shared shower / toilet with room 3
5	4	Yes	Yes	Shared shower / toilet with room 6
6	4	Yes	Yes	Shared shower / toilet with room 5
7	16	Yes	Yes	First floor (no backstage lift access)
8	16	Yes	Yes	First floor (no backstage lift access)

Laundry / Wardrobe:

Washing Machines	<b>1 x Maytag 7.5 kg, 1 x Fisher &amp; Paykal 8.0 kg</b>
Dryers	<b>2 x SpeedQueen 9.0 kg</b>
Drying cabinet	<b>1 x Brownbuilt</b>
Iron / ironing board	<b>3 x irons, Braun, Sunbeam, B&amp;D and 1 x ironing board</b>
Clothes racks	<b>CTC-made mobile and fixed racks in dressing rooms and corridors</b>

Production Facilities:

**Production Desk**

Production desk set-up in the centre of stalls. Table accommodates 2 people. Talkback and VDU mimic of lighting desk output available.

**Production Office**

Two Production offices available on first floor level backstage.

**Phone**

One digital and two analogue metered lines available in each office.

**Fax**

Two analogue lines available as above.

**Access to phone for internet access**

Two analogue lines available as above. No broadband available.  
Pay per use WiFi available within Centre.

Greenroom:

Tea / Coffee facilities	<b>BYO tea / coffee. Boiling water on-tap</b>
Fridge / freezer	<b>YES</b>
Microwave	<b>YES</b>
Running water	<b>YES</b>

Stage Door:

**Access**

Stage Door is located beside the loading dock at the rear of the Playhouse. A Stage Door person will be rostered on for any period that a hirer requires access to the backstage area.

**ADDITIONAL FACILITIES & INFORMATION**

Orchestral:

Wenger music stands with clip-on lights available.

Wenger adjustable chairs available.

Both items are shared with other venues in the Centre.

Upright piano is available.

Rehearsal Space:

Courtyard Studio, 10m x 15m, concrete base with timber parquetry, booking required for use.

Staffing:

Technical minimum staffing levels are

1 x Lighting, 1 x Mechanist, 1 x Audio and 1 x Stage Door person.

**VENUE:**

Venue Contacts:

Venue Address

**Canberra Playhouse  
Civic Square  
London Circuit  
Canberra City 2608**

Venue Postal Address

**Canberra Theatre Centre.  
PO Box 226  
Civic Square  
Canberra City 2608**

Staff Contacts:

<b>Head of Lighting</b>	<b>Andrew Tweedie</b>
Mobile	0422 105 250
Email Address	Andrew.Tweedie@act.gov.au
Phone Number	02 6243 5734
<b>Head of Staging</b>	<b>David Tongs</b>
Mobile	0434 078 371
Email Address	David.Tongs@act.gov.au
Phone Number	02 6243 5758
<b>Head of Audio</b>	<b>Gregor Murray</b>
Mobile	0434 078 372
Email Address	Gregor.Murray@act.gov.au
Phone Number	02 6243 5759
<b>Administration</b>	<b>Jarrad West</b> (Venue Booking Coordinator)
Phone Number	02 6243 5710
Email Address	Jarrad.West@act.gov.au
Fax Number	02 6243 5721
<b>Box Office</b>	<b>Sarah Lewis</b> (Box Office Manager)
Phone Number	02 6290 9377
Email Address	Sarah.Lewis@act.gov.au
Fax Number	02 6230 1098
<b>Stage Door</b>	
Phone Number	02 6243 5733 (Manned as required)
<b>Stage</b>	
Phone Number	02 62435762 (Manned as required)

Venue Plans:

**Venue Plan Available**

YES, hard copy at 1:50 can be mailed, or a PDF or DWG file emailed upon request. Plan is available for download on the APACA website.

**Venue Section Available**

YES, hard copy at 1:50 can be mailed, or a PDF or DWG file emailed upon request. Plan is available for download on the APACA website.

Venue Information:

The Canberra Theatre Centre has three venues available for hire:  
The Canberra Theatre 1244 seats stall only  
The Canberra Playhouse 618 seats, stalls and two balconies  
The Courtyard Studio has 92 seats available in two different configurations.

**The Canberra Theatre Centre reserves the right to change its inventory and specifications from time to time.**