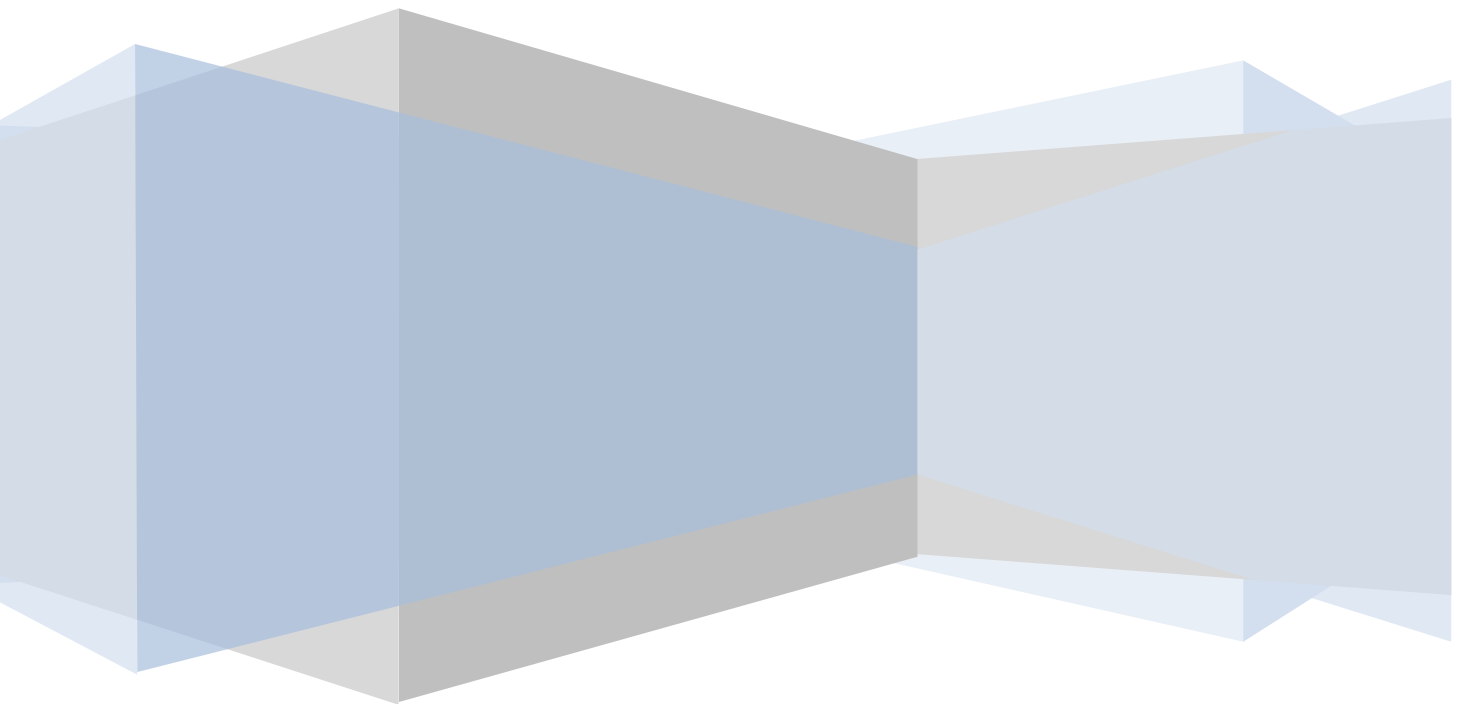


# WHITEHORSE CENTRE

## **TECHNICAL SPECIFICATIONS 2019**



# Stage Description

The Whitehorse Centre stage is an unraked stage with a proscenium arch and flying facilities. Hardwood floor covered with masonite sheets. Downstage edge of stage is curved to match seating. Screwing into surface permitted but larger holes to be authorised by Technical Manager. Stage crossover behind US Fixed Cyclorama

Stage distributed load limit	<b>N/A</b>
Stage point load limit	<b>N/A</b>
Stage rake	<b>No</b>

# Stage Dimensions

## PROSCENIUM

Width 10.0 m  
Height 4.7m

## SETTING LINE

US edge of fire curtain box

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

SL to DS edge of apron	<b>1.28 m</b>
SL to DS edge of Orchestra Lift/Pit	<b>2.99 m</b>
SL to first fly line	<b>0.26 m</b>
SL to last upstage fly line	<b>7.26 m</b>
SL to rear wall	<b>7.71 m</b>
CL to OP wall (or obstruction)	<b>7.8 m</b>
CL to PS wall (or obstruction)	<b>8.5 m</b>
Stage to underside of grid	<b>11.75 m</b>

## OVERHEAD OBSTRUCTIONS

The Fly gallery on OP side protrudes 1.5 m onstage from the Op wall and the bottom obstruction is 3.7 m above stage level. Fold back speakers on PS are 1.65m and 4.55m upstage of the SL and protrude 0.6m onstage and the bottoms are 4.3m above stage level. The bottom of the cinema screen on fly line 7 when gridded is 5.63m above stage level

# Auditorium

Gently raked in a continental layout of 15 rows with side aisles with space for 6 wheelchair patrons

Seating capacity with additional Orchestra lift/pit seating installed	<b>408</b>
Seating capacity <u>without</u> Orchestra lift/pit seating installed	<b>408</b>

# Flying Facilities

## FLY SYSTEM

A single purchase counterweight system except for line 24, which is a hand winch and line 7 (cinema screen) motor winch.

Operating Position	<b>OP Gallery</b>
Total number of Lines	<b>26</b>
Batten Type	<b>50mm O/D pipe</b>
Batten Length	<b>13 m</b>
Batten Pick-ups	<b>(4) Pick-ups at 3m intervals</b>
LX bars can be swung	<b>YES</b>
Fly bars can be swung	<b>YES</b>

There are no dedicated rigging points on stage or in the auditorium.

## HANGING PLOT

<b>SL:</b>	Setting Line as indicated previously
<b>Line Type:</b>	<b>SP</b> = Single purchase, <b>DP</b> = Double purchase, <b>MW</b> = Motor Winch, <b>HW</b> = Hand Winch, <b>HL</b> = Handline
<b>W.L.L.:</b>	Maximum distributed load including bar weight

Line #	Distance from SL	Line Type	W.L.L	Venue Allocation	Intended Use <i>(hiring company use)</i>
0	0 mm	SP	310 kg	Fire Curtain	Not to be removed
1	260 mm	SP	240 kg	House Curtain	
2	526 mm	SP	240 kg	Legs & Borders	
3	777 mm	SP	240 kg	<b>LX1</b>	
4	1143 mm	SP	240 kg		
5	1296 mm	SP	220 kg		
6	1503 mm	SP	240 kg	Legs & Borders	
7	1950 mm	MW	240 kg	Cinema Screen	Not to be removed
8	2169 mm	SP	240 kg		
9	2278 mm	SP	220 kg		
10	2662mm	SP	220 kg	Legs & Borders	
11	2747 mm	SP	240 kg		
12	3113 mm	SP	240 kg	<b>LX2</b>	
13	3500 mm	SP	240 kg		
14	3938 mm	SP	240 kg	Legs & Borders	
15	4137 mm	SP	240 kg	Tab Traveller	
15A	4235mm	SP	240kg		
16	4482 mm	SP	240 kg		
17	4638 mm	SP	240 kg		
18	4857 mm	SP	240 kg		
19	5122 mm	SP	240 kg	<b>LX3</b>	
20	5465 mm	SP	220 kg		
21	5620 mm	SP	240 kg	Legs & Borders	
22	5840 mm	SP	240 kg	Tab Traveller	
23	6115 mm	SP	200 kg		
24	6410 mm	HW	240 kg	<b>LX4/Cyc Lights</b>	
25	7046 mm	SP	220 kg		
26	7246 mm	SP	200 kg		
N/A	7560 mm	N/A	310 kg	Fixed Cyclorama	

# Loading Dock

## ACCESS

Truck access is via driveway to the south of the building. Most trucks can drive round the building then back up the loading bay. If weather permits, semi-trailers and very long trucks can reverse along the grass next to the driveway then back up to the loading bay. Otherwise, trucks can reverse partially up the driveway and then be unloaded by hand or a forklift can be hired.

Loading Dock Height	<b>1040 mm</b>
Door Dimensions	<b>2940 mm high</b> <b>2100 mm wide</b>

## RESTRICTIONS / OBSTRUCTIONS

Access to stage is through a doorway that is 2900 mm high by 2000 mm wide. Loading bay is at stage level.

# Lighting

## POSITIONS:

Stage LX Bars	<b>LX bars 1-3 can be swung up to 1500mm from their standard positions. See hanging plot for standard LX bar locations</b>
FOH LX Bars	<b>2 x FOH Lighting Bars are situated FOH. FOH 1 has an upper and over bar. FOH 2 has 1 x Bar</b>

## CONTROL:

Lighting desk	<b>ETC Ion</b>
Control channels	<b>2000</b>
Signal output	<b>DMX 512</b>

## DIMMER RACKS:

Total Dimmers	<b>108</b>
Dimmer Locations	<b>Dimmer Room located in upstairs dressing room with door to OP gallery. Ultralex Demux unit controlling analogue dimmers</b>
2.4Kw Dimmer Racks	<b>(24) Jands FP12WM- (48) Jands Solution 12 APC (digital)</b>
Total dimmers @ 2.4kw per dimmer	<b>84</b>
5Kw Dimmer Racks	<b>(12) Strand Powerpack 5 (analogue)</b>
Total dimmers @ 5kw per dimmer	<b>24</b>

## STAGE LUMINARE:

### PROFILES

Make	Model	Angle	Detail / Accessories	Watt	Total
Strand	Source 4 Zoom		(5) five irises	750w	<b>10</b>
Strand	Source 4 Junior Zoom	25-50 deg	(9) gobo holders (M Size) (6) six irises	575 w	<b>20</b>
Selecon	SL	15-32 deg	(6) gobo holders B size	650w	<b>6</b>

### FRESNELS

Make	Model	Detail / Accessories	Watt	Total
Selecon	1200 (7 inch)	(8) barndoors	1200w	<b>28</b>
Strand	Prelude	(3) B size gobo holders	650w	<b>14</b>

### PC

Make	Model	Detail / Accessories	Watt	Total
Selecon	1200 (7 inch)	(24) barndoors	1200w	<b>24</b>
LDR	Aria	(3) barndoors	1000w	<b>3</b>
Strand	Harmony	(3) barndoors	1000w	<b>6</b>

### WASH

Make	Model	Detail / Accessories	Watt	Total
Selecon		4 way cyc units	800w	<b>5</b>

### FOLLOW SPOTS

Make	Model	Angle	Detail / Accessories	Watt	Total
LDR	Canto MSD	12-28	6 colour magazine and iris	575w	<b>2</b>

**Any changes to standard rig must be restored by the client unless prior arrangement made.  
Use of follow spots incurs an additional charge.**

# Audio

## CONTROL POSITIONS:

Control Room- rear centre of stalls behind low wall. Dedicated position, no seats pulled.

## CONTROL & AMPLIFICATION:

### Primary Mixer

Allen & Heath Ilive 112 with built in limiter, compressor and seven effects

**EQ** (2) Yamaha Q2031B Dual Channel Graphic Equaliser NOT INSTALLED  
(1) Klark Teknik DN300 One Channel Graphic Equaliser NOT INSTALLED

**FX** (1) Yamaha Rev 500 Digital Reverb unit

### Compression / Limiter / Gates

(1) DBX 1066 Stereo Gating Compressor Limiter. FOH NOT INSTALLED  
(1) 8 x Channel KLARK TECHNIC Compressor Limiter (patchable via insert loom)

## SPEAKERS:

### FOH Speakers

(2) Function One Res 2A FOH Speakers rigged from auditorium roof  
(2) Bose Panaray 502 Sub

### Front Fill Speakers

(4) Function One F55

### Centre Speaker

(1) Function One F88 rigged from auditorium roof

### Foldback

(2) TXD 121 600 watt Turbosound Foldback wall-mounted Wedges  
(2) TXD 12M 600 watt Turbosound Floor wedges  
(4) Crest QSA300 watt Powered Wedges

### Flown Foldback

Bars of Flown Back speakers (4 on each bar)

### Rear Delay Speakers

4 Rear Delay JBL Speakers

## PLAYBACK:

Item	Make	Model	Detail	Total
CD	Tascam	CD-6010	Single CD	1
CD /USB/SD	Tascam	CD-200SB	Single CD	1
CD / Tape	Denon		Single CD player/ Tape player	1
CD / Tape	Denon		Single CD player / Tape player	1
CD recorder	Tascam	CD-RW900SL	Single CD player / Recorder	1
DVD	Denon	DNV310	DVD player	1
Mini Disc Recorder	Denon	DN-M1050R	Mini Disc Recorder / Player	1

## MICROPHONES:

Make	Model	Detail / Accessories	Use	Total
SHURE	Beta 87	Clips	Vocal	2
SHURE	SM 58	Clips	Vocal/Instrumental	6
SHURE	SM 57	Clips	Instrumental	6
SHURE	S849	Clips	Instrumental	2
SHURE	SM91		PZM Floor Mics	2
Crown	Pcc		PZM mics	4
SENNHEISER	eW500 G3	Handheld mics and lapel mics with lapel clips	Radio mic	4
AKGHM1000	PHM950		Overhead Choir Microphone	4
AKG	CK747	Condensor Shotgun Mic	Instrumental	8
AKG	D114	Clip	Bass Instruments	1

**Note:** Only 4 RM's of any combination can be used at any one time.

**The Whitehorse Centre has 8 dedicated Radio Microphone Frequencies which ARE NOT TO BE ALTERED IN ANY WAY.**

## ACCESSORIES:

Item	Model	Detail / Accessories	Total
Microphone stands	Three folding legs	Chrome full height with boom arm	2
Microphone stands	Three folding legs	Black instrument height with boom arm	8
Microphone stands	Cast steel three leg base	Full height	3
Microphone stands	Round base		4
Microphone stands	Tabletop tripod		5



## CABLING:

### Audio Cable

XLR Mic leads:

(8) 20m            (18) 10m

(18) 5m            (12) 3m            (14) 2m

The theatre has a range of adapter leads to accommodate the venue's equipment.

### Multicore

(1) 8m 10 lines, 8 sends 2 returns analogue and Digital 48 input channel and 24 sends on stage. 32 input channels and 16 sends in a portable case.

(2) 10m 8 way multicore (no returns).

# Audio Visual

## Projectors:

Type	Model	Detail / Accessories	Total
NEC	NP4100	Standard	1

## SCREENS:

### Projection Screen

Front projection cinema screen permanently rigged from fly line 7 with motorised curtains that can reduce width to 4600 mm

Screen dimensions                      **7880mm x 3500mm**

### Additional Screens

Three front projection tripod screens

Screen dimensions                      **(1) 2400mm x 1800mm**

**(1) 2100mm x 1800mm**

**(1) 1800mm x 1800mm**

### Projector Rigging Points:

A projector is permanently rigged just in front of FOH LX Bar 2

# Orchestra Pit

The Orchestra pit is covered with nine fixed floor sections that require three crew to remove. Access is via a 800mm wide x 890 mm high door and from the Auditorium on prompt side or by removing pit lids.

Stage level is at **990 mm** above auditorium.

Orchestra pit level is at **1200mm** below auditorium.

Dimensions of the orchestra pit **The main pit is 7.2m x 2.6m with a 3.1m x 2.4m annexe**

Orchestra pit maximum capacity **22** including the conductor

## RESTRICTIONS / OBSTRUCTIONS

Access to stage is through a doorway that is 2900 mm high by 2000 mm wide. Loading bay is at stage level.

# 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, talkback master station and controls for houselights, work lights and house curtain.

### Talkback

Master Unit **Creative Audio two loop system with permanent stations all on loop 1**

Total sub stations **8**

Total headsets **8**

## DRESSING ROOMS:

Dressing Room	Capacity	Toilets	Shower	Details
Down stairs Dressing Room	30	(2) M (2) F	4	Lit mirrors 1 x Portable Clothes Rack 1 x Portable Mirror
Upstairs Dressing Room	12	NO	NO	Lit mirrors. Has shared access with the resident ballet school

# VENUE

## VENUE CONTACTS:

Address 397 Whitehorse Road, Nunawading, Victoria, 3131

Telephone: 03 9262 6590. Facsimile: 03 9874 7281

Venue Postal Address: Whitehorse Centre, Locked Bag 2, Nunawading Delivery Centre. 311

## STAFF CONTACTS:

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