



Technical Specifications

Hamer Hall

Document History

Revision #	Date	Author	Comments
V2.3	April 2021	J White	Equipment updates

General information

Address

100 St. Kilda Road
Melbourne Australia 3004
Reception Phone +613 9281 8000
Stage Door +613 9281 8248

Building Summary

Hamer Hall:
Stage Door Address
Southgate Ave
Southbank VIC 3006
[Hamer Hall Stage Door Google Map](#)

Level 6: St. Kilda Road Entrance
Level 5: Stage Door, [Stage Door Suite], Loading Dock
Level 3: Dressing Rooms
Level 2: Stage Level, Dressing Rooms

Contacts

Technical Director, Production	+613 9281 8137
Senior Manager, Venue Operations	+613 9281 8718
Venue Production Manager	+613 9281 8328
Manager, Staging	+613 9281 8142
Manager, Lighting	+613 9281 8365
Manager, Sound & Vision	+613 9281 8138
Manager, Broadcast and Digital	+613 9281 8163
Manager, Events and Ticketing	+613 9281 8006

Contents

- Document History..... 2
- General information..... 2
 - Address..... 2
 - Building Summary..... 2
 - Contacts..... 2
- Contents..... 3
- Get In..... 5
- Auditorium Seating..... 5
 - Standard configurations..... 5
 - Capacities..... 5
 - Technical & Production Seating..... 5
- Staging Facilities..... 6
 - Orchestra/Equipment..... 6
 - Stage Risers..... 6
 - Drapes..... 6
- Orchestral Ceiling..... 7
- Stage Details..... 8
 - Dimensions..... 8
 - Fire Precautions & Safety Requirements..... 8
- Flying System..... 9
 - Main Stage Battens..... 9
 - Hamer Hall Hanging Plot..... 9
- Lighting Facilities..... 10
 - Lighting Information..... 10
 - FOH distances to setting line..... 10
 - Control System & Network..... 10
 - Dimmers..... 10
 - Fixed Orchestral Lighting..... 11
 - Production Lighting..... 11
 - Accessories..... 11
 - Three Phase Power - Lighting..... 11
- Visualisation Suite..... 12
- Stage Management Facilities..... 12
 - CCTV monitoring..... 12
 - Video Monitors..... 12
 - Cameras..... 14
 - Talkback Allocation..... 14
- Sound Facilities..... 16
 - Sound Reinforcement Analysis & Time Alignment..... 16
 - Console Signal Network..... 16
 - Control System..... 16
 - Playback..... 16
 - Fx Rack..... 16
 - Fold Back Speaker System..... 17
 - Front of House Speaker System..... 17
 - Movie System..... 18
 - Microphones..... 18
 - Microphone Stands..... 19
 - Three Phase Power - Sound..... 19
 - Projection..... 19
- Pianos..... 20
- Assistive Listening System..... 20
- Wardrobe Facilities..... 20
- Broadcast & Recording..... 21
 - Audio Broadcast Control Room..... 21
 - Visual Broadcast Control Room..... 21
- Video Recording and Broadcast:..... 22
- Audio Recording and Broadcast:..... 22
- Photography:..... 22
- Outside Broadcast:..... 22
- Permissions, Licensing, Releases and Fees:..... 23
- Back Stage Accommodation & Telephone Numbers..... 24
 - Dressing & Warm-up Rooms & Production Offices..... 24

Get In

The Loading Dock areas can accept a range of trucks including semi-trailers.

Loading Dock Dimensions

Door Width	3.550m
Door Height	4.700m

The Scenery Lift is designed to travel between Loading Dock Level (Level 5) and Stage Level (Level 2).

Scenery Lift Dimensions

Width	3.000m
Length	8.000m
Maximum Height	3.000m
Maximum payload	10,000kg

Stage Access

Width	2.800m
Height	2.500m

Auditorium Seating

Standard configurations

Orchestra Pit	Set to Orchestral Platform Level with no seats installed
Choir Lift	Set to Orchestral Platform Level

Capacities

Area	Standard Configuration	With seats on Orchestra Lift
Stalls	969	1046
Circle	559	559
Balcony	787	787
Side Choir Balcony	72	72
Total Capacity	2387	2464

Technical & Production Seating

Seating Area	Seats	Seat Numbers	Approx Dimensions W x D
Orchestra Pit	77	AA28-52; BB28-52; CC31-49; DD36-45	17.500 x 5.500m
Standard Rear Stalls Control Position	Nil	-	x 5400 x 2150
Medium Stalls Control Position	17	V 37 - 44; W34-46 36 - 44	5.x 5400 x 2150 + 2.850
Large Stalls Control Position	36	U33-47 35 - 45; V33-48; 35 - 46 W34-46	5. 5.400 x 4850
Extended Rear Stalls Control position	91	U33-47; V33-48; W26-54; X26-54; Y26-53	

NOTE

- All technical & production seating areas are withheld from sale until venue requirements have been discussed with the Venue Technical Manager.
- All changes to the standard seating configuration will incur additional charges.

Orchestra Pit

Dimensions:
Area at Orchestra Pit Level:
Height below Stage Level:

17.500 x 5.500m
96.000m²
3.000m

Staging Facilities

Orchestra/Equipment

Type	Quantity
Rat Orchestra Music Stands	100
Naotek dual colour LED Sconce light	100
Tecno Furniture musicians chair	100
Bass Stools	4
Conductors Podium	1
Rat Conductors Music Stand	1
Choir Chairs	100

Stage Risers

Riser	Surface	Quantity	Dimensions
Prolyte	Timber	4	1.000 x 1.000
Prolyte	Timber	28	2.000 x 1.000
Prolyte	Timber	12	2.000 x 0.885
Custom	Timber	4	15° Wedge
Custom	Timber	4	30° Wedge
Custom	Timber	4	45° Wedge
Custom	Timber	6	Infill pieces to complete choir rows

NOTE

- All risers are capable of different heights in 200mm increments up to 1200mm.
- All risers come with timber fascias. A select number of black wool skirts are also available.
- 1 Rolling riser (2.000m x 2.000m x 200mm 400mm) is available upon request.
- Black carpet is available to change the surface of a number of timber risers

Drapes

Standard Drapes

Drape	Quantity	Width (m)	Height (m)	Fullness	Colour	Material
Tabs	1 pair	7.500	8.500	50%	Black	Velour
Legs	4 pairs	3.500	8.500	0%	Black	Velour
Legs	2 pairs	3.500	10.500	0%	Black	Velour
Borders	1	15.000	2.500	0%	Black	Velour
Borders	2	14.000	3.000	0%	Black	Velour
Borders	2	16.500	4.500	0%	Black	Velour

Border	2	16.500	3.000	0%	Black	Velour
Smother	1	13.000	8.500	0%	Black	Velour
Smother	1	12.000	10.500	0%	Black	Velour
Cyclorama	1	12.000	9.000	0%	White	Cloth
Side Choir Seating Block Covers	2	Various	Various	0%	Black	Wool

Blue Drapes (shared with State Theatre)

Drape	Quantity	Width (m)	Height (m)	Fullness	Material
Legs	6 Pairs	4.500	10.400	0%	Velour
Borders	12	20.200	4.500	0%	Velour

E-Track is available on request

NOTE

- The seating block covers are specifically designed to cover the Choir Side seating

Orchestral Ceiling

The Orchestral Ceiling area is designed to be flexible to meet presenter requirements. The ceiling has three distinct modes. Nominal heights are listed below:

Orchestral Mode

Acoustic Ceiling: Deployed
Ceiling Height at Lowest Point: 13.500m

Chamber Mode

Acoustic Ceiling: Deployed
Ceiling Height at Lowest Point: 10.500m

Amplified Mode

Acoustic Ceiling: Folded

NOTE

- A fully deployed acoustic ceiling prevents the use of flown battens without retracting a ceiling panel.

Stage Details

Dimensions

Orchestral Platform Width

Wall to wall across Front	19.130m
Wall to wall at Front of Rear Lift	13.980m
Wall to wall across rear wall	12.560m

Orchestral platform Depth at Centreline

Main Platform depth	7.290m
Orchestra Lift Depth	4.610m
Choir Lift Depth	3.560m
With Orchestra Pit only added	11.900m
With Choir Lift only added	10.850m
With Orchestra & Choir Lift added	15.460m
Distance from setting line to sound control position	24.746m

Orchestral Platform Height @ Setting Line

Stage floor to underside of grid	17.000m
Above stalls level	1.000m
Maximum batten drift	16.000m
Stage floor to rear loading door	2.398m
Stage floor to wing door	2.249m

Orchestral Platform Surface

Rake	None
Area in standard configuration	226.79m ²
Maximum Floor UDL Loading	1000 kg/m ²
Maximum Floor Point Load:	770kg
Surface	Spotted Gum T & G
Finish	Clear Matte

NOTE

- The Orchestral Platform cannot be screwed or nailed into. Only tape supplied by Arts Centre Melbourne shall be used.
- Dance Floor and black carpet floor coverings are available but additional charges may apply for installation and removal.

Fire Precautions & Safety Requirements

1. All scenery, props, masking etc must be rendered non-flammable to the satisfaction of Arts Centre Melbourne.
2. A Fire Cabinet is available upon request. The Presenter is to provide a lock & key. A key shall be left with Security.
3. A Gun Safe may be available for use. Please contact the Manager, Staging for more information.
4. All Presenters shall present a Risk Assessment to Arts Centre Melbourne. Templates and assistance can be provided, please contact the Presenter Account Manager for more details.

Flying System

The Hamer Hall Flying System is an integrated fully functional theatrical flying system. Five acoustic ceiling panels retract to allow battens to fly past them.

All flying and rigging activities shall comply with Arts Centre Melbourne's Flying and Rigging Policy.

Main Stage Battens

Control System

Control Interface	Waagner Biro CAT console
Winch Controller	Waagner Biro UNICORN
Maximum Velocity	1.5m/s @ 500kg payload 1.0m/s @ 750kg payload
Operating Position	Automation Control Room, Prompt Side (Level 3)
Alternate Operating position	Stage level OP wing, Stage Level (Level 2)

Axis Information

Number of Main Stage Battens	20
Number of Acoustic Panels	5
Number of Panorama Battens	2 (1 each side)
Number of Chain Hoists	10 x 1 tonne ASM Otto-C1 [Variable Positions]
Batten spacing	varied
Batten size	Truss Batten with lower chord 48.3mm OD
Pick-up spacing's	3.260m
Batten Point Load	250kg
Batten drift, nominal	16.200m
Panorama distance from centre	8.920m

Hamer Hall Hanging Plot

Line No	Distance from Setting Line (mm)	Note	Line No	Distance from Setting Line(mm)	Note
FOH Lx Bar	-15306		B11	2130	
B1	- 6600	Lx 1	B12	2740	Lx 4
B2	- 6691		B13	3370	
Reflector 1	-5917		Reflector 4	4282	
B3	-4100	Lx 2	B14	5020	
B4	-3470		B15	5620	
B5	-2.820		B16	6120	Lx 5
Reflector 2	-2518		B17	7300	
B6	- 1790		Reflector 5	7683	
B7	- 1220		B18	8390	Lx 6
B8	-660	Lx 3	B19	9900	
B9	-020		B20	10200	
Reflector 3	882		Panorama PS		Lx
B10	1620		Panorama OP		Lx

NOTE

- The setting line is the downstage edge of the Orchestral Platform main stage
- Negative numbers represent distance downstage of setting line
- Rolling beams in the grid are available to suspend additional loads. See stage technical drawings for more details

Lighting Facilities

Lighting Information

The lighting system is in two parts.

Fixed Orchestral: Provides a full cover of the stage in open white. These lanterns are located in ceiling panel and cannot be refocused or removed.

Production Lighting Rig:

The Production Lighting Rig is available for use either below the Acoustic Reflectors or if the acoustic reflectors are in their folded position. The Production Lighting Rig is not silent.

FOH distances to setting line

Position	Distance to setting line	Angle to setting line
Follow spot Room	41.000m	36°
Balcony Front	20.000m	29°
Side Balcony Position	14.800m	11°
Circle Front	15.600m	17°
Projection Room	24.600m	21°

Control System & Network

Quantity	Equipment	Comments
1	PRG V676r	9,999 fixture capacity
1	PRG SuperNode	Processes 16 Universes
1	Backup pc & V276	
1	Designers View pc	
1	Onstage remote control	

Quantity	Equipment	Location
3	Uno Pathport	Lighting Bar 1
3	Uno Pathport	Lighting Bar 2
3	Uno Pathport	Lighting Bar 3
3	Uno Pathport	Lighting Bar 4
3	Uno Pathport	Lighting Bar 5
6	Dual DMX Pathport	Portable
2	Dual Input DMX Pathport	Rear Stalls

Dimmers

Quantity	Type	Protocol	Capacity
382	State Automation SCR/Switch	sACN	2.4kW
12	State Automation SINE Wave	sACN	2.4kW
6	State Automation SCR/Switch	sACN	5kW

NOTE

- Dimmers are hard wired to various locations throughout the venue
- 64 of the 2.4kW SCR dimmers are available in stage dip taps and in the wings

Fixed Orchestral Lighting

Type	Quantity	Power
ETC Source 4 36°	56	750W

Production Lighting

Manufacturer	Model	Quantity	Position	Comments
Vari-Lite	VLX Wash	18	Overhead	
Robe	MMX Spot	21	Overhead	
Robe	600 Wash	9	Floor	
ETC	D40 Lustre +	30	Overhead	
ETC	Source4 14°	23	FOH & Overhead	Seachanger & RightArm on selected instruments
ETC	Source4 26°	32	FOH & Overhead	Seachanger & RightArm on selected instruments
Chroma-Q	ColourForce72	10	Cyc floods	
Ushio	Xebex Followspot	2	Follow Spot Room	

NOTE

- Variations to the standard lighting rig may incur additional costs.
- Pre-programming in Arts Centre Melbourne's Visualisation Suite is available upon request. Contact the Manager, Lighting for more information.
- A complete 2D lighting plan is available upon request.
- All electrical appliances shall be tagged with an appropriate safety tag in accordance with AS 3760:2010.

Accessories

All lanterns have accessories available. Presenters should consult with the Manager, Lighting to confirm details and quantities

- All profiles have a range of accessories available including Top Hats, Donuts, Irises and Gobo holders
- All gobo holders have B size apertures

Three Phase Power - Lighting

Quantity	Location	Amps/Outlet	Connection
Level 2			
1	OP Wing	400A 3 Ø	Power Lock sequential mating system
1	Back Stage area	400A 3 Ø	Power Lock sequential mating system
3	OP Wing US Wall	40A 3 Ø	Clipsal IP56 Series
2	PS Wing US	40A 3 Ø	Clipsal IP56 Series

NOTE

- Only Arts Centre Melbourne electricians shall carry out alterations to electrical supply.
- The two 400A supplies on Level 2 cannot be used concurrently

Visualisation Suite

The Visualisation Suite is located on Level 6 next to the BoH Passenger lift. The facility can be hired by presenters to pre-plot moving light cues and sequences. [Bernie, please wax lyrical]

The Suite can also be used in conjunction with the Visual Broadcast Control Room for [Ally, please wax lyrical too]

Equipment	Quantity	Comments
Mitsubishi LCD display 65" LDT65L	1	
MacPro 3.32 GHz Quad Core Intel Xeon	1	Loaded with Mac OSX, ESP Vision, Lightwright, Beamwright, Windows 7, Wysiwyg and SandNet
Speakers	2	Wall mounted

Stage Management Facilities

Standard Operating Position
Alternate Operating Position

OP stage
PS stage

The Stage Management Console contains all standard facilities including:

- Auditorium announcement
- BOH Paging
- 12 Channel Soft Cue light system
- Telephone
- CCTV monitors of the stage and conductor
- Clock & Timer
- Riedel RCP-1028 Communication panel

CCTV monitoring

Stage view

Television monitors showing the stage are standard in the following areas

- Orchestra/Tour Manager's Office
- PS (SL) stage wing
- OP (SR) stage wing
- Band Room
- Local Production offices
- Stage Door Suite
- Stage Door

Conductor View

- There is two permanently installed LCD video monitor on the centre of the circle rail. It is set up to receive composite signal over cat5, other connections available upon request
- Other video monitors showing the conductor are available upon request.

Video Monitors

Monitor details will be provided in the next issue.

Quantity	Monitor type and size	Comments
1	Marshal Dual Rack mount display	Stage Manager Desk
3	Samsung 32" 320MX-3	PS and OP Wing, Automation Room
2	Samsung 32" 320MX-3	Rolling Trolleys
2	Dynaview 9" LCD S8862	Portable Spot Monitors
2	Sony 32"	Circle Fronts

NOTE

- Additional monitors are available for hire by prior arrangement.

Cameras

The following cameras are provided for use in the venue:

Purpose	Camera Position	Camera Type	Comments
Main Stage View	Balcony Front	Panasonic AW-E860L	Fixed position
Conductor camera	Where required	Panasonic WV-CP500	
Conductor camera	Where required	Small camera	

Talkback Allocation

The backstage communications system is a Riedel Artist-128 matrix, with a Riedel Acrobat wireless system configurable to suit presenter requirements.

#of	Device Type	Position	Typical User
Standard Allocation. These cannot be altered.			
1	RCP 1028	Stage Manager's Desk	Stage Manager
1	DCP 5018	Automation Control	Flyman
1	RCP 2116	Sound Control	Sound Operator
1	DCP 2016	Lighting Control	Lighting Operator
1	RCP 2016	Lighting Control	Lighting Operator
1	DCP 2016	Follow-spots	Follow-spot Operators
1	C44 Digital Party Line	Follow-spots	Follow-spot Operators
1	RCP 2016	Visual Broadcast Control	Broadcast Suite Operators
1	DCP 2116	AV Control	AV Operators
1	DCP 2016	Mechanist's Office	Staging Staff
1	DCP 5018	Production Manager	Production management
1	DCP 2116	Audio Recording Suite	Broadcast Audio operators
1	DCP 2116	Production Desk	Production Desk Users
1	DCP 1016	Stage Manager's Office	Stage Manager

NOTE

- The Venue Stage Manager determines usage of the headsets.
- Extra Headsets and Belt Packs are available upon request. Fees may apply depending on quantity.
- External systems can be integrated via Analog 4-wire and OM3 Fibre

Qty	Type	Headset Type
6	Riedel	Lightweight open single ear.
36	Riedel	Closed single ear.
4	Riedel	Closed double ear.
14	Riedel C3	2 Channel Digital Party Line Wired Beltpacks
12	Riedel WB-2	Wireless Beltpacks

There is also an allocation of wireless belt packs that integrate into the system. The table below outlines a priority allocation and qualities.

Pack	Priority User
1	Mechanist
2	Mechanist
3	Mechanist
4	Mechanist
5	Sound
6	Sound
7	Sound
8	Stage Management
9	Stage Management
10	Lighting
11	Lighting
12	Backup pack in case of failure of any of the above packs

Sound Facilities

Sound Reinforcement Analysis & Time Alignment

Electro - Acoustic analysis & design
System commissioning/time alignment
Acoustician
Operating Position

Meyer Sound Laboratories
Bob McCarthy
Larry Kirkegaard
Stalls Sound Control Position

NOTE

- Concealed cable runs from the stage to the rear of the stalls are available. A minimum allowance of 75 metres of cable is required.
- Noise levels are monitored at various locations around the auditorium and backstage areas to assist with compliance with Arts Centre Melbourne's Noise Management Policy.

Console Signal Network

Comprises a fully redundant Optocore fibre ring to connect devices utilising Digico's gain sharing protocol. There is also an option to run two console with 56 input each and no gain tracking.

Control System

Quantity	Equipment	Comments	Locations
1	Digico SD7	Includes local inputs	Rear of stalls FOH
1	Digico SD7	Includes local inputs	Foldback position
2	Digico SD Rack	112 Analogue Mic/Line inputs, 24 AES outputs, 32 Analogue Line outputs	PS Wing
1	Digico SD Rack	24 Analogue Mic/Line inputs, 8 Analogue Line outputs	Grid area

NOTE

- Waves MGB Server One system with WAVES Audio plugins available for hire
- The console system can be monitored and controlled remotely through the auditorium via a laptop

Playback

Quantity	Equipment	Comments
2	Denon DN635 CD Player	
1	TC 3000 Digital Reverb	
1	TC D2 Digital Delay	
1	Mac Mini running Qlab	
1	Radial Bluetooth di	

Fx Rack

1	Lexicon PCM 91 Digital Reverb	
1	Lexicon PCM 81 Digital Effects	

Fold Back Speaker System

Quantity	Manufacturer	Model	Comment
4	Meyer	MJF212	Dual 12'
7	Meyer	UM1p	Low profile monitor
6	Meyer	UM100p	Low profile monitor
1	Meyer	500-HP	Sub for drum fill
2	Meyer	UPA1P	
5	Yamaha	MSP5A	Personal Monitor

Front of House Speaker System

The speaker system is configurable for different user requirements ranging from a visually discreet announcement system to full range high power concert system. The Speaker processing is carried out by Meyer D-MITRI System.

Speaker Position	Speaker Elements	System Mode			
		Security Announ- cement	Centre Cluster System	Standard Production System	FULL Production System
Main Array Left & Right	8 x Meyer Milo per side 1 x Milo 120 per side			✓	✓
Centre Array	8 x Meyer Mina		✓		
Balcony Delay Arrays 1-4	6 x Meyer Melodie per array 1 x Meyer 500 HP per array	✓	✓	✓	✓
Front Fill	8 x Meyer M1D or;			✓	✓
	15 x Meyer MM4 or;	✓	✓		
	8 x Meyer UP-4XP	✓	✓	✓	✓ either
Under Balcony fill	12 x Meyer UPM-1P and 2P	✓	✓	✓	✓
Under Circle fill	12 x Meyer UPM-1P	✓	✓	✓	✓
Stalls Focus Array Left And Right	5 x Meyer Melodie per side				✓
	2 x Meyer 700-HP per side (plus 2x additional Meyer 700- HP in cardioid end fire configuration if required)				✓
	2 x UPA 2A - Outfills			✓ if required	✓
	2 x Meyer Mina Infills			✓ if required	✓
Lower Niche Left & Right	1 x Meyer Cal 64 Column Array per side or;	✓	✓		
	6 x Meyer Mina array per side	✓	✓	✓	
	1 x Meyer 700 HP per side		✓	✓	
Upper Niche Left & Right	4 x Meyer Mina per side	✓	✓		
Choir Balcony	4 x Meyer UP Juniors per side FLOWN	✓	✓	✓	✓
Choir Balcony	8 x Meyer MM4 per side BUILT IN	✓	✓	✓	✓

Movie System

Some elements of this System are assembled from the Stalls Focus System above

Speaker Position	Speaker Elements
LIP FILL – OUTFILL - INFILL	2 x Meyer M1D - 2 x Meyer Mina Array (Centre) 2 x Meyer UP1 as Outfill 2 x Meyer Mina as Infill
CENTRE CLUSTER	10 x Meyer Melodie – built from Stalls focus system
CIRCLE SIDES	2 X Meyer UPA2 on stands
MOVIE SUBS	2 x Meyer 700-HP

Microphones

Manufacturer	Model	Quantity
AKG	414	6
Beyer	M88 TG	1
BSS Active DI	AR-133	12
Crown	PCC 160	4
DPA	4099 with piano clips	2
Heil	PR-20	3
Neuman	KM-140	8
	Km184	6
Sennheiser	MD421	6
	e906	2
	e604	4
Schertler	Contact piano mic	1
Schoeps	CMTS 501U stereo mic	1
Shure	Beta 58a	10
	Beta 57a	8
	SM81	4
	Beta 52	1
	SM57	4
	Beta 91	1
	MX418 lectern mic's	2
Radial	USB di	2

NOTE

- Other specialist microphones are available for hire, depending on availability and application. ie Audex, Dpa, EV, Shure, Sennhieser, Schoeps, Royer, etc. Please contact the Manager, Sound & Vision to discuss individual needs.

Microphone Stands

Type/Base	Quantity	
	Short	Tall
Boom, round base		
Straight, round base	3	6
Boom, tri-leg	9	26
Straight, tri-leg		1
Straight, tri-leg – Quick Grip release		2
Straight round base Quick Grip release		1

Three Phase Power - Sound

Quantity	Location	Amps/Outlet	Connection
Level 2			
2	DSPS	200A	Sequential power lock (400A size)
2	DSOP	200A	Sequential power lock (400A size)
2	USOP	40A 3Ø	
4	DSOP	40A 3Ø	
2	USPS	40A 3Ø	
2	DSPS	40A 3Ø	

Projection

Manufacturer	Model	Device	Qty
Barco	UXD 4K 32	Projector	1
Barco	TLD+ zoom HD 2.6-4.1:1	Lens	1
Barco	TLD+ zoom HD 4.1-6.9:1	Lens	1
Ross Video	CrossOver 12 4801AR-220	Switcher panel	1
Ross Video	CrossOver 12 4801AR-220	Frame 12 input	1
Crescent	US-3000	Universal scaler	3
	Multiview	Monitor	1
Mac	Pro laptops with qlab	Video playback	2
HP	Z400	Workstation	1
Logitech		USB Clicker	1
Lynx Technik	Yellobrik CDH 1811	3Gbit SDI to HDMI convertor	1

Note here screens are available for hire – refer Manager Sound / Vision. Cyclorama also available.

Pianos

Standard hire includes the use of one Steinway Grand Piano, tuned prior to the commencement of the hire. Other pianos and additional tunings are available at the Presenters expense.

Stage

Choose from 3 Steinway Model D Concert Grand Pianos (9'0") with height adjustable stools.

Dressing Rooms

1 Yamaha (UP1EQ) Upright Pianos located in Dressing & Warm-up Rooms 20, 21, 28, 29 & 30.

Conductors Suite

1 Yamaha CM3PE Baby Grand Piano (5'6") located in Dressing Room 22.

Green Room

1 Yamaha CM3PE Baby Grand Piano (5'6"). Available for use on stage.

Stalls Foyer

1 Yamaha CM3PE Baby Grand Piano (5'6").

NOTE:

- | |
|--|
| <ul style="list-style-type: none">○ No Pianos will be tuned beyond A442. |
|--|

Assistive Listening System

Arts Centre Melbourne provides an assistive listening system for its patrons. It includes headsets to assist with hearing of performances and all seating positions are covered.

Wardrobe Facilities

Hamer Hall is equipped with a small laundry. It contains 1 washing machine and 2 dryers. There is an ironing facility, and a steamer available.

Broadcast & Recording

Audio Broadcast Control Room

The Audio Broadcast Control Room is fully equipped to record, edit and mix quality sound from archival to broadcasts. It is situated two levels above stage on the OP side. Full details are available from Manager, Sound & Vision. Costs may apply.

Equipment	Quantity	Comments
Digico SD-10B console	1	Linked to Optocore network
ADAM S4XH Monitor Speakers	2	
Yamaha NS-10 Monitor speakers	2	
Pyramix Mass Core recording system with Horus interface	1	With 112 input channels via madi and 24 mic preamps
Reaper - Backup Recording PC	1	With RME 112 inputs channel via MADI card

Visual Broadcast Control Room

The Video Broadcast Control Room is fully equipped to record archival and broadcast quality content in full HD (1080i) resolution. There are HD cameras mounted permanently within the auditorium on the circle rail. Facility for additional cameras is available as well as broadcasting live to screen and post-editing.

Equipment	QTY	Comments
Panasonic HD 1080i AK-HC-1800G cameras Canon 8.5 – 170mm zoom lens (Camera 2 fitted with 2x Extender)	4	Mounted in permanent positions on the auditorium circle rail, 1 x Left, 1 x Right, 2 x Centre
Telemetrics PTZ remote camera Controller	1	Single Joystick Control
Ross Carbonite Video vision switcher	1	1 M/E Broadcast Vision Mixer
HD ISO Recording	6	Video Devices PIX270 Recorders
Ross Video NK Router	1	64x64 HD/SD SDI Routing System
55" LED Multiviewer	2	Mounted in studio control room for camera monitoring
EVERTZ Sync Pulse Generator	1	Model 5601 MSC with +HDTG options installed

NOTE

- The Video and Audio Broadcast Suites are available for hire separate to the normal hire conditions of Hamer Hall. Please contact your Arts Centre Melbourne Account Manager, Producer, Manager Sound/Vision or Production Manager to discuss your requirements or for further information
- A selection of fibre optic transmitters and receivers are available to route content throughout the venue
- Full engineering facilities are provided in the Control Room
- Audio monitoring is available from the audio broadcast control room
- For further technical information, contact the Manager – Broadcast and Multimedia

Video Recording and Broadcast:

Art Centre Melbourne can provide a range of video recording, broadcast and post-production services for your production or event. These include, but are not limited to:

- Commercial recordings*
- Archival recordings**
- Multi camera video recording
- Live video streaming and broadcast to multiple platforms
- Behind the scenes and roaming videography
- Post-production services; editing, colour grading and closed captioning
- Media packaging and distribution pathways
- Technical and creative consultations for you project with our broadcast team

Audio Recording and Broadcast:

Art Centre Melbourne can provide a range of audio recording, broadcast and post-production services for your production or event. Please contact the Manager Sound/Vision to discuss your requirements.

These include, but not limited to:

- Commercial recordings*
- Archival recordings**
- Multi-track digital recordings and session files
- Podcast and vox-pops recordings
- Post production audio editing, mixing and mastering

Photography:

Permission to photograph performances will not be unreasonably withheld, provided that the taking of photographs does not cause disturbance to either patrons or performers.

Outside Broadcast:

Art Centre Melbourne has hosted numerous large-scale commercial broadcasted events. Please contact your Art Centre Melbourne Account Manager, Producer or Production Manager to discuss your requirements and scope your broadcast event.

**A "Commercial Recording" is any recording made for the purpose of streaming, sale, broadcast, exhibition or distribution by any means.*

***An "Archival recording" is a recording made for the sole purpose of documenting technical and performance aspects of a production and are not to be used for broadcast, exhibition, distribution or sale of any form.*

Permissions, Licensing, Releases and Fees:

Any form of recoding, broadcast or photography undertaken at Art Centre Melbourne, will require all Presenters to agree to the *Presenter Licensing Agreement* and obtain written permission from the Art Centre Melbourne, in advance of the production or event.

Depending on the type of broadcast or recording and its intended final use, the Presenter may incur a licensing or recording fees, in addition to any broadcast allowance and associated on-costs that may apply for the recording for live or delayed broadcast. Details are in *Appendix D* of the *Presenter License Agreement*, or please contact your Art Centre Melbourne Account Manager, Producer or Production Manager for further details.

All broadcast and recordings require the Presenter to have obtained the necessary releases from the performers taking part and to give certain undertakings in relation to copyright, and payment to technicians.

Where approval has been granted to a Presenter for a public performance to be given under television conditions, all publicity and advertising for the attraction must clearly state that the performance will be televised and that such conditions will apply. It follows that arrangements to televise a performance cannot be entered into after tickets have been sold to the public.

As each project is different in scope and intention, permissions and licensing will be assessed on a case by case basis.

Please contact your Art Centre Melbourne Account Manager, Producer or Production Manager to discuss your requirements and obtain an initial quote.

Back Stage Accommodation & Telephone Numbers

Dressing & Warm-up Rooms & Production Offices

Room No	Phone Ext	Standard Access	Number of People/Area	Comments
Level 2				
20	8225	STD	1	Leader of the Orchestra
21	8224	Local	1	Soloist
22	8223	STD	1	Conductor's Suite
23	8220	Local	1	Accessible Dressing Room
24	8219	Local	1	Soloist/Accessible Dressing Room
Band Room			100m ²	
27			2	
28	8722 & 8723	Local	2	
29	8216	Local	2	
Level 3				
30			1	Accessible Dressing Room
31			70m ²	
32			22m ²	
33			25m ²	
34			35m ²	
36			13m ²	
35			2	
37			25m ²	
38			25m ²	
Choir Assembly PS				
Choir Assembly OP				
Tour/Orchestra Manager's Office	8230			

NOTE:

- Handsets are available upon request and all call charges apply.
- Fees apply to any changes to the standard access.
- Most Dressing Rooms have refrigerators, hand basins and portable wardrobe racks.
- A comprehensive Wi-Fi Network is installed throughout the backstage areas.
- The Choir Assembly areas are a shared space with load in facilities. Contact the Venue Production Manager for more information.

Telephone Numbers

Area	Position	Ext.No	Comments
Stage Door	Level 5 Southbank Ave	8248	
Security	Level 5 Southbank Ave	8288	
Production Office	Stage Manager	8364	
	Sound Supervisor	8244	
	Sound Staff Desk	8384	
	Production Manager	8328	
	Fax Machine	8551	
	Staging Supervisor	8227	
Stage Managers Desk	Stage wings	8229	
Control Rooms	Lighting Operator	8255	
	Followspot Room	8287	
	Sound Operator	8254	
	Audio Broadcast	8256	
	Visual Broadcast	8047	
	Automation	8151	
	Audio Visual	8048	
FOH Manager's Office	Located on Level 7	8274	
Function Rooms	Baxter Room	8240	
	Cadbury Schweppes Lounge	8241	
	Stage Door Suite	8051	