

## **TECHNICAL INFORMATION**

### ***Conservatorium Theatre, South Bank***

#### **Venue Information**

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The Conservatorium Theatre, with traditional Proscenium Arch, is an ideal venue for a variety of performances and conferences. A 17-metre high moveable Sound Shell provides this venue with the flexibility to cater for all your performance needs. Its major features include charming and intimate design, comfortable seating, and world-class acoustics. It is suitable for all types of performances, either in 'Concert Mode' (sound shell forward) for ensembles as large as symphony orchestras, or in a 'Lyric Mode' (sound shell back) for opera, ballet, dance and theatre. With the addition of audio-visual equipment and extra sound systems the venue can also operate in 'Cinema Mode' and with the sound shell back, the Conservatorium Theatre can be utilised in 'Reverse Mode', with up to 300 people on stage in audience seating, or 120 people at tables of ten for a formal dinner with a difference.

#### **Standard Configuration**

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The Conservatorium theatre has a standard stage set-up. This set-up is referred to as 'Standard Concert Mode'. If there are any changes made to the theatre's standard set-up during hire, the client must incorporate all restoration costs during bump out.

Orchestra Pit 1 and 2	At Stage Level (no additional seating)
Sound Shell	Closed
Stage Flooring	Tasmanian Ash – Limited use only
Lighting	Standard Concert System (plan available)

#### **Theatre Staffing Requirements**

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Back of House and Front of House staffing levels are dictated by the University's policies on minimum staffing levels and by the event's technical requirements (and, in the case of FOH staff, by audience numbers).

Under all Venue Hire Agreements, a suitably qualified Duty Technician is required to supervise the Conservatorium Theatre for all activity.

The Duty Technician is not usually a member of the show crew, but is on hand to open and prepare the venue, supervise hirers and theatre crew, maintain security, liaise with Front-of-House and backstage staff, and is on-call for advice and technical assistance related to the hirer's Event.

## Seating Information

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The Theatre's auditorium consists of stalls, side gallery, and a balcony. The stalls area can expand an extra 5 seating rows, if the stage extension or orchestra pit is not used. Additional seating is subject to additional costs. See the seating capacity below.

Stalls	454
Balcony	96
Side Galleries	55 total
Wheelchair spaces	8 (10 if sound desk is removed; costs apply)
Stalls extension	112
<b>Maximum capacity</b>	<b><u>727</u></b>

Please discuss seating your seating requirements with us upon application.

## Technical and Production Seating

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Production Desk	Row J (floor panel located in Row I)
Audio Operator Position	U12/13
Camera Positions	Row G2/3, G22/23, U2, 22, side gallery right 12/13

## Facilities for Hearing Impaired Patrons

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Seats located in rows K to Q seats 4 -10 are connected to a Hearing Aid Loop.

Hirers and Patrons should be aware that this facility is only available during those events that involve sound enhancement.

## Orchestra Pit

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Downstage Lift	2150mm x 16000mm curved
Upstage Lift	3140mm x 16000mm curved*
Load Rating	750kgs/m <sup>2</sup> with max load 8000kgs per lift
Preset Positions	Stage Level (0mm) Auditorium Level (-975mm) Orchestra Level (-2250mm) Basement Level (-3200mm)
Movement speed	approximately 2m per minute

Note: The orchestra pits are not designed to be used as a moving platform during performance.

\*The upstage edge is flat, while the downstage edge curves inwards – measurements are maximum depth taken on centre.

## Theatre Acoustics and Sound Shell

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Due to the engagement of the eminent Japanese firm Nagata Acoustics in the design and construction stages, the Conservatorium Theatre has been acknowledged as having some of the finest and most flexible acoustics in the Southern Hemisphere, ideal for a wide range of performances and recordings. The sound shell works well as a sound reflector for the concert mode and the acoustic curtains and small doors on the shell allow for variation of the acoustics. Adjustable panels on the auditorium walls further add to the venue's acoustic flexibility.

*“The auditorium has excellent acoustical potential as a concert hall, including moderate loudness, good balance between clearness and liveness, the room itself sounding and surrounding with ... warm sound.”*

*“The auditorium in the lyric mode also has suitable potential for lyric performances, with a good balance between the voices on the stage and the orchestra in the pit.”*  
Nagata Acoustics report August 1996

The sound shell has the ability to move up and down stage via a track system built into the stage floor. This allows a variant in stage depth, however the acoustics become compromised.

Inside Depth	4000mm
Height	15000mm
Width	16600mm

When the sound shell is not in use, it is moved far upstage into a storage alcove, allowing the full use of the stage counterweight system.

## Stage Details

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### *Dimensions*

The setting line is located directly behind the adjustable proscenium guide tracks at the concrete pillars, which run vertically from the stage floor to the grid.

#### *Stage Width*

Stage width wall-to-wall	36050mm
Proscenium width (smallest)	15000mm
Proscenium width (at plaster line)	15600mm
Forestage width wall-to-wall	16000mm
Distance between PS and OP gallery 1	20900mm

#### *Stage Depth*

Apron to Setting Line	1500mm
Main stage depth (Apron to US side walls)	14500mm
Apron to rear wall	18500mm
Setting line to first fly set (#1)	350mm
Setting line to last fly set (#76)	12800mm

### *Stage Height*

Auditorium floor to stage floor	975mm
Stage to underside of Gallery 1 PS	9850mm
Stage floor to Underside of Grid	26000mm

### *Stage Surface*

Primary: Polished, sprung pine flooring (including both pits)	
Pine flooring area	12000mm x 15000mm
Maximum loading (even distribution)	750kg/m <sup>2</sup>
Maximum Point loading	4.5 kN

The rest of the stage flooring is WeatherTex painted black. The timber flooring may be covered in WeatherTex, however this incurs additional labour costs.

Screwing, bolting or nailing into the timber flooring is strictly prohibited.

## **Loading Dock**

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The Conservatorium Theatre is accessed easily by large vehicles via Glenelg Street, just off Grey Street. Depending on usage and with sufficient notice, the space is suitable for some set storage and catering set-up.

Height of loading dock roller doors	4850mm
Height of scenery doors leading to back stage	9000mm
Width of entrance leading to back stage	4200mm

## **Fly System**

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The Theatre houses a single purchase counterweight system; with rope locks operated from the Prompt side Fly Rail. There are 54 sets fitted, with the ability to be expanded to 76 sets. There are 2 panorama barrels each side. Battens are 75mm x 50mm steel rectangular hollow section, with the ability to utilise extensions.

Maximum working load (per set)	500kg
Set with slave cradle maximum load	750kg
Slave cradles	10
Stage batten length	17800mm
Orchestra bar length (Forestage)	10800mm
Panorama batten length	10500mm
Maximum drift travel (1000mm off stage)	25000mm
Centres	150mm
Bar extensions	750mm

A hanging schedule is available upon request.

## **Stage Drapes**

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House Curtain	Blue Valance
Black Smothers	3 of 10m x 19m
Cyclorama	10m x 17.7m framed
Black Borders	3 of 6m x 19m
	1 of 6m x 18.6m
	1 of 4.2m x 18m
	1 of 4.2m x 19.5m
Black stage Legs	5 pair 3.9m x 10m
Panorama stage Legs	3 pair 3.9m x 10m
Black sharks tooth Gauze	1 of 9.2m x 17m

## **Rigging**

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The Theatre has limited rigging equipment available for use. Please contact us to discuss your requirements. A fully qualified rigger must carry out all rigging work, with current certificates presented to the Venue Manager prior to the commencement of any such work.

## **Safety and Security of Properties**

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All scenery, props, costumes etc. are to be constructed with non-flammable materials, and an approved fire retardant product is to be applied prior to entering the theatre.

The intention to use any flammable materials must be approved by the Venue Manager, and it is the hirer's responsibility to store these items safely and securely for the duration of hire.

## **Electrical Safety**

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All equipment used on the Griffith University grounds MUST have a CURRENT test and tag before use. Venue staff reserves the right to reject any equipment not displaying a valid test tag.

All equipment must be properly earthed, and comply with all current state and federal laws and guidelines.

## Lighting

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The lighting system has two standard formats.

Standard Concert Lighting (Shell closed)

*Open white full stage wash, with the ability to use 'specials'*

Standard Theatre Lighting (Shell open)

*Open white face light, 3 colour stage wash, 4 colour backlight, plus specials where required (subject to labour costs)*

Lighting plans are available from the Venue Technician.

### **FOH distances to setting line**

Followspot room	32000mm
Balcony Rail	13750mm
Bay 3	27500mm
Bay 2	24000mm

### **Control System**

ETC Express 250 lighting desk 1024 DMX channels

ETC Express Remote Focus Unit - located in prompt corner

Jands DD8 DMX splitter – Dimmer room

LSC Delta DMX Splitters – Patch room

LSC 12 circuit 2.4KW dimmer rack 12

LSC 12 circuit iPro 2.4KW dimmer rack 3 (1 for houselights)

LSC 6 circuit 5KW dimmer rack 6

### **Lanterns**

Selecon Condenser 1.2kw 9 – 21 Profile 14

Selecon Condenser 1.2kw 12 – 28 Profile 14

Selecon Arena 2kw 14 – 32 Profile 14

Selecon 1.2kw 18 – 34 Profile 3

Selecon 1.2kw 24 – 40 Profile 7

ETC Source 4 19 degree Profile 12

ETC Source 4 26 degree Profile 12

ETC Source 4 36 degree Profile 8

ETC Source 4 50 degree Profile 8

PAR 64 wired pairs on bars 12

Selecon High Performance 2kw Fresnel 40

Selecon Compact 1.2kw Fresnel\* 32

*\*Permanently installed on Orchestra bars 1, 2 and inside Sound Shell*

Selecon Aurora 4-way cyc batten 6

Selecon Aurora 4-way Ground Row 6

## **Sound and AV**

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The Sound system standard set-up consists of an Electro-Voice X-Array 2-way speaker system. Adding the Low Frequency boxes makes this a full 3-way system (subject to additional costs).

### ***Microphone Stock***

AKG C 391 B Condenser	4
AKG C 568 EB Directional Condenser	2
ATM 63 HE Dynamic Microphone	1
EV PolarChoice PC-12/XLR Lectern Mics	4
EV PolarChoice 12 Lectern Microphone	1
EV PL 88L Dynamic Microphone	1
Shure SM58 Unidirectional Dynamic	4
Shure SM57 Unidirectional Dynamic	2
Behringer Ultra DI100 Direct Injection box	6
Shure UT Series Radio Microphones SM 58 capsules (HAND HELD ONLY)	2

### ***Control System***

Allen & Heath GL3300 32-Chan Mixing Desk	1
DBX 1231 Dual 31 Band Graphic Equalisers	2
Rane GE 60 Dual 31 Band Graphic Equalisers	2
Dx38 24 Bit Digital Sound System Processors	3
DBX 1046V Quad Compressor/Limiter	1
Alesis Akira FX Unit	1
Denon DN 1800F Dual CD Player	1
Sony MDS E10 Mini Disk Recorder	1
Sabine FBX Feedback Exterminators	3
Jands Ezicom E400 Talkback Master	1
Radiocom BTR-800 Master	1
Radiocom TR-800 Wireless packs	4
Jands Ezicom beltpacks	10

### ***Amplifiers and Speakers***

Australian Monitor Paging Amplifier	1
EV P1200 Precision Series Amplifiers	2
EV P2000 Precision Series Amplifiers	2
EV P3000 Precision Series Amplifiers	1
EV Xi-1122/85 X-Array Install FOH Speaker 4	
EV XW12 Stage Monitor	4
EV Xb subwoofer	2

### ***Vision Equipment***

Projection Screen is a Da-Lite Fast-fold system, available with a Da-mat (front project) or Da-Tex (rear project) skin. Size is 13' x 17' (12' x 16' viewing size).

The Theatre has various patching facilities for vision equipment located in most areas of the stage and auditorium.

Projection and AV equipment is available upon request, and incurs additional charges. Please speak with us about your AV requirements.

## **Orchestral Equipment**

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The Conservatorium Theatre can offer the use of a Steinway B concert grand piano (or Steinway D upon application), music stands, orchestral chairs, a conductor's music stand and podium. If you require any other equipment, please contact us.

We also have a stock of Rostra available for use, with heights of 150mm, 300mm, 600mm and 800mm. Rostra tops are 1200mm x 2400mm.

## **Security and First Aid**

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The building is monitored by a closed circuit video camera system, and Griffith University security generally patrols the corridors.

A Loading Dock attendant may be requested at the hirer's expense.

It is mandatory that any event which has an audience of over 200 people has an additional security guard rostered. Where additional security is required the costs are billable to the Hirer.

A First Aid Officer is available for attendance at all performances if you wish. Although this is not a requirement, it is strongly recommended.

The Conservatorium Theatre is part of the Griffith University South Bank campus; therefore, the building has general access to students and staff during regular hours. It is the hirers' responsibility to keep all valuables safe and secure. The Queensland Conservatorium and its contractors will not be held liable for any loss of personal property.