



# Gasworks Studio

## TECHNICAL SPECIFICATION v2.1

### 1.0 Auditorium

#### 1.1 Studio Capacity

The Gasworks Studio is a performance space with a flat floor and a raked, seating system, comprised of rostra platforms. The venue is particularly suited to productions where intimate contact between the audience and the performers is required. The Studio is wheelchair accessible and fully air-conditioned.

The seating bank can accommodate 60 patrons in our standard configurations (with 2 rows of 14 seats set at stage level). By special request, the seating position or configuration can be adjusted, however this may require additional labor/cost and is required to be reset to the standard configuration (End on) at bumpout.

If you require seats to be held for followspots, additional sound, AV or lighting equipment or for filming video, this will reduce the number of seats available.

### 2.0 Stage Details

#### 2.1 Dimensions

Width, wall-to-wall	8.40m
Length, wall-to-wall	11.10m
Height to grid	4.40m

#### 2.2 Stage Floor

27mm thick F17 Structural Plywood flooring, overlaid with tempered masonite. Painted Scenic Studios Stage Black. Please consult with Gasworks technical staff before using fixings (screws or nails) to the floor or walls.

### **2.3 Stage Access/Egress**

Onstage OP Stage/Dock door  
Sound lock (North Wall) 1.80m (w) x 2.70m (h)  
Leaf and a half door opening outward

Main Entrance/Loading Dock access  
Sound Lock (West side) 2.30m (w) x 2.70m (h)  
Double doors opening outward

Dimmer Room door (South side) 0.89m (w) x 2.10m (h)  
Single doors opening outward

### **2.4 Dressing Room**

Four dressing rooms (typically two dressing rooms allocated to each show when both Theatre and Studio are in simultaneous use).

Each room can accommodate up to 8 people comfortably.

Each dressing room is fitted with benches, mirrors, mirror lights, heating/cooling and paging (paging runs to ALL dressing rooms. Cannot be separated).

There are a total of 7 unisex toilets (5 conventional, 1 ambulatory, 1 wheelchair accessible) as well a total of 4 unisex showers (3 conventional, 1 ambulatory/wheelchair accessible).

There are laundry facilities available on request. There is an iron and ironing board available.

There is a basic kitchenette where hot and cold and boiling water is available. Some cups and crockery are available but not guaranteed. Tea/coffee/milk etc must be supplied by the show(s). This Kitchenette is a shared space between shows and Gasworks Admin, so all dishes must be cleaned, dried and put away as used. Should the kitchenette remain unclean a cleaning fee will be on-costed to the show(s).

### **2.5 Foyer**

The foyer has a small PA system capable of making announcements, playing CDs or connecting to a portable music device. Access to playback equipment is only available when Gasworks staff are rostered.

The foyer is also a gallery space for our Visual Arts exhibitions program.

## 2.5 Testing & Tagging

All portable electrical equipment provided by the venue is tested and tagged according to AS/NZS3760 Australian Standard

Any portable electrical equipment brought into the venue **must be** tested and tagged to this Australian Standard. Testing of a small number of items may be done by the venue staff by prior arrangement and **at a cost** to the hirer.

## 3.0 Sound Reinforcement

### 3.1 House System

The Gasworks Theatre is equipped with a basic audio system sufficient for production playback and limited sound reinforcement applications.

### 3.2 System Control

Control Console	<b>Allen &amp; Heath QU16 Digital Console</b> 18 inputs [16 Mic/Line (XLR/TRS), 2 stereo TRS] 16 outputs [Main L/R (XLR), 10 Mix (4 mono XLR, 3 stereo XLR), 1 2TRK out (TRS), 1 ALT out (TRS)] Onboard Effects and EQ
Patching	2 x XLR shared input/output in-house patching in DSOP, USOP, USP corners 4 x XLR shared input/output in-house patching in DSOP corner (underneath Seating Bank) Additional looms available on request (subject to availability)

### 3.3 Speakers/Amplifiers

Speakers	<b>2 x Australian Monitor 150w</b> Passive, 10" LF, 1" HF drivers Flown (inverted w/HF drivers at bottom)
	<b>Quest 500w amp</b> Running Speakon cables up to flown PA

### 3.4 Processing/Effects

Console	<b>Allen &amp; Heath QU16 Digital Console</b> Onboard processing: Gate, HPF, PEQ (across all inputs and outputs), GEQ (across all outputs), compression
---------	--

Onboard effects: Reverb, Delay, ADT (Auto Double Tracking), Chorus, Symphonic Chorus, Flanger, Phaser, Gated Verb

External units  
(subject to availability)

Behringer Ultra-Graph Pro GEQ3102  
Dual Channel 31 Band Digital Graphic EQ

DBX 231S EQ  
Dual Channel 31 Band Graphic EQ

### 3.5 Playback

Digital

Mac Mini  
Running Qlab 4 Basic License (1 x Stereo playback. AV feed can be supplied if needed for bumpin)

Compact Disk

(on request) Denon CD635 dual CD Player  
(subject to availability)

### 3.6 Microphones & DIs

*(All items listed below are shared between **all** gasworks venues,. Items may be booked during your production meeting, or by telephone or email prior to your event)*

Vocal

2 x Shure Beta 58  
1 x Shure Beta 57  
4 x Shure SM 58  
1 x Shure SM 57  
3 x Sennheiser ew100 G3 Handheld Radio Mics (566 MHz – 608 MHz)  
1 x Sennheiser ew100 G3 Headset RF Mic (1785 MHz – 1800 MHz)

*Please note it is illegal to broadcast within the 610 MHz – 652 MHz range*

DI's

3 x Active Dual Behringer

### 3.7 Other

Multicore

16/4 analogue multicore (subject to availability)

Microphone Stands

3 x Boom Stand  
2 x Heavy based upright stand

Microphone Leads

Assorted

## 4.0 Lighting Equipment

### 4.1 Lighting Grid

The Gasworks Studio lighting grid consists of 4 x Cross-stage 8m lengths of 400mm Box Truss (black powder coated), set on trolleys on a set of rails that run laterally down the sides of the room.

Subject to approval, these bars can travel US and DS in the room (requires discussion and approval from Operations Manager and/or Technical Manager, and may incur additional costs). One bar is set behind the existing heritage girder trolley (from which the Legs are suspended), and therefore has limited movement.

The bars must be returned to standard positions on bumpout.

Each Cross-stage Box Truss has 12 load circuits at roughly 500mm centres (circuits are looms run along the truss with staggered lead lengths)

There are 24 floor circuits in the Studio located in the DSOP, DSP, USOP and USP corners of the room.

There is additional 3Phase power available for portable dimmer racks if required, located ONSTAGE on the MSP side of the room (will be clearly visible and sits in the performance area).

There are more 3Phase outlets within the Dimmer Room (see 4.4 Additional Power).

The total of each lighting truss has a SWL of 300kg ***Distributed Load*** with a ***Point Load*** of 25kg per meter.

### 4.2 Lighting Control

Control Console

**ETC Element Console**

*Please confirm software update and fixture library at production meeting or via email*

There is no control room in the facility. Control desk position is the rear P-Side corner of the seating bank.

### 4.3 Dimmers and Patching

Patch bay and dimmers located in a plant room adjacent to the dressing room.

Dimmers

1 x LSC ePAK 12 channel  
(60 channels x 2.4KVA)  
1 x LSC GenVI 12 channel  
(12 channels x 2.4KVA)

*GenVI rack can be set to TruePower, creating either an Auto-on nondimmed outlet or a DMX controllable non-dimmed outlet. Please talk with technical staff if you require this.*

Load Circuits (Sub patches)	Floor Circuits	24 (1 – 24)
	LX 1 (Over Seating Bank)	12 (25 – 36)
	LX 2 (DS) – 17 (249-266)	12 (37 – 48)
	Heritage Girder Trolley	12 (49 - 60)
	<b>(subject to availability)</b>	
	LX 3 (US)	12 (61 - 72)

#### 4.4 Additional Power

Dimmer room	2 x Wilco 5 pin 30 amp 3 phase
<b>(subject to availability)</b>	
Stage floor (Onstage MSP)	1 x Wilco 5 pin 30 amp 3 phase

#### 4.5 Lanterns

*Lamps highlighted in **GREEN** are part of Standard Lighting Plan. Any adjustments to Standard Lighting Plan need to be reset at bumpout.*

Profile	4 x Selecon Acclaim Profile 24/44 650w
	2 x Prolite Profile 25/45 1K w/Decals
	4 x Prolite Profile 25/45 1K <i>(subject to availability)</i>

Fresnel	6 x Strand Cantata Fresnel 1K w/barndoors
	2 x Prolite Fresnel 1k

<b>Stands</b>	4 x Steel, side boom bases
<b>(Subject to availability)</b>	4 x Timber H-stands
	4 x Steel barrel H-stands
	12 x 90degree boom arms (varying lengths)
	Short scaff pipes and 90degree scaff clamps <i>(subject to availability)</i>

All lanterns are equipped with hook clamps, bolt sets, safety cables and colour frames.

Unless noted, fresnels are equipped with barndoors.

Gobo holders are available for 2 Selecon Acclaim profiles

Gobo holders are available for 2 Prolite profiles

Additional lighting stock may be available at an additional cost

#### **4.6 House/Work Lights**

4 x 150w QI flood lights, running through one dimmer and operated from lighting console.

A motorized skylight shutter can be opened for additional daylight

Fluorescent work lights powered from the OP side of the rear row in the seating bank. Must be left on when Theatrical lighting is not in use. ***Leave work lights on when locking venue up at the end of the day.***

### **5.0 Rigging & Staging**

#### **5.1 Rigging Equipment**

There is an assortment of rigging gear including, slings, shackles, scaff clamps, scaff pipe, etc. available. Any rigging must be discussed prior to bumpin, and a qualified rigger employed to carry out the work where necessary.

**All rigging in the venue must be installed and signed off by a licensed rigger.**

**All rigging must be coordinated through and approved by Gasworks Technical Manager.**

#### **5.2 Stage Cloths**

**Drapes** (black wool)                      5.50m high x 2.50m long

These leg drapes are used to create wings/legs and also the rear crossover. Drapes are in standard positions. *Any adjustments to drapes from standard positions must be reset back to standard positions at bumpout.*

### **6.0 Audio Visual Equipment**

Gasworks can provide the following audio-visual equipment at an **additional cost** to the hirer:

All items listed below are shared between all Gasworks venues, and must be booked prior to your event to ensure availability.

#### **6.1 Projector**

Sanyo PLC-XM150 6000 ANSI lumen Projector

#### **6.2 Media Players**

Sony DVP-NS50P DVD Player

LG DZ111 DVD Player

Mac Mini running Qlab 4 (see **3.5 Playback** for more details. This is included in hire and is not at additional cost)

### 6.3 Screens

Flat portable tie-up screen. 3M x 1.8M.  
(Ties onto a bar. Has a pocket for water pipe or batten pipe in the bottom. Small additional cost applies for this screen)

### 6.4 Lectern

1 x free-standing gold & black lectern

Additional AV equipment may be sub-hired through Gasworks suppliers

## 7.0 Working at Heights

### 7.1 EWP (Elevated Work Platform)

The theatre provides 2 x JLG elevated work platforms. The 20MVL model has a 5.9m platform height, standard extension platform width 800mm, and point and go steering.

It is policy at Gasworks that operators of this EWP must either have an EWP operators ticket, or be supervised by someone who does.

### 7.2 Ladders

Aluminium 'A' frame ladder (2.1m)

Fibreglass 1.6M ladder

All ladder work over a height of 2m must be done with an approved harness as per Occupational Health & Safety Act 2004.

## 8.0 Contact Information

Gasworks Arts Park  
21 Graham St, Albert Park 3206

Admin	8606 4200
Fax	9699 9890
Website	<a href="http://www.gasworks.org.au">www.gasworks.org.au</a>
Operations Manager – Paul Antoncich	8606 4200 <a href="mailto:paul@gasworks.org.au">paul@gasworks.org.au</a>
Venue Co-ordinator – David Horne	8606 4200 <a href="mailto:david@gasworks.org.au">david@gasworks.org.au</a>
Technical Manager – Benjamin Morris	8606 4200 <a href="mailto:benjamin@gasworks.org.au">benjamin@gasworks.org.au</a>