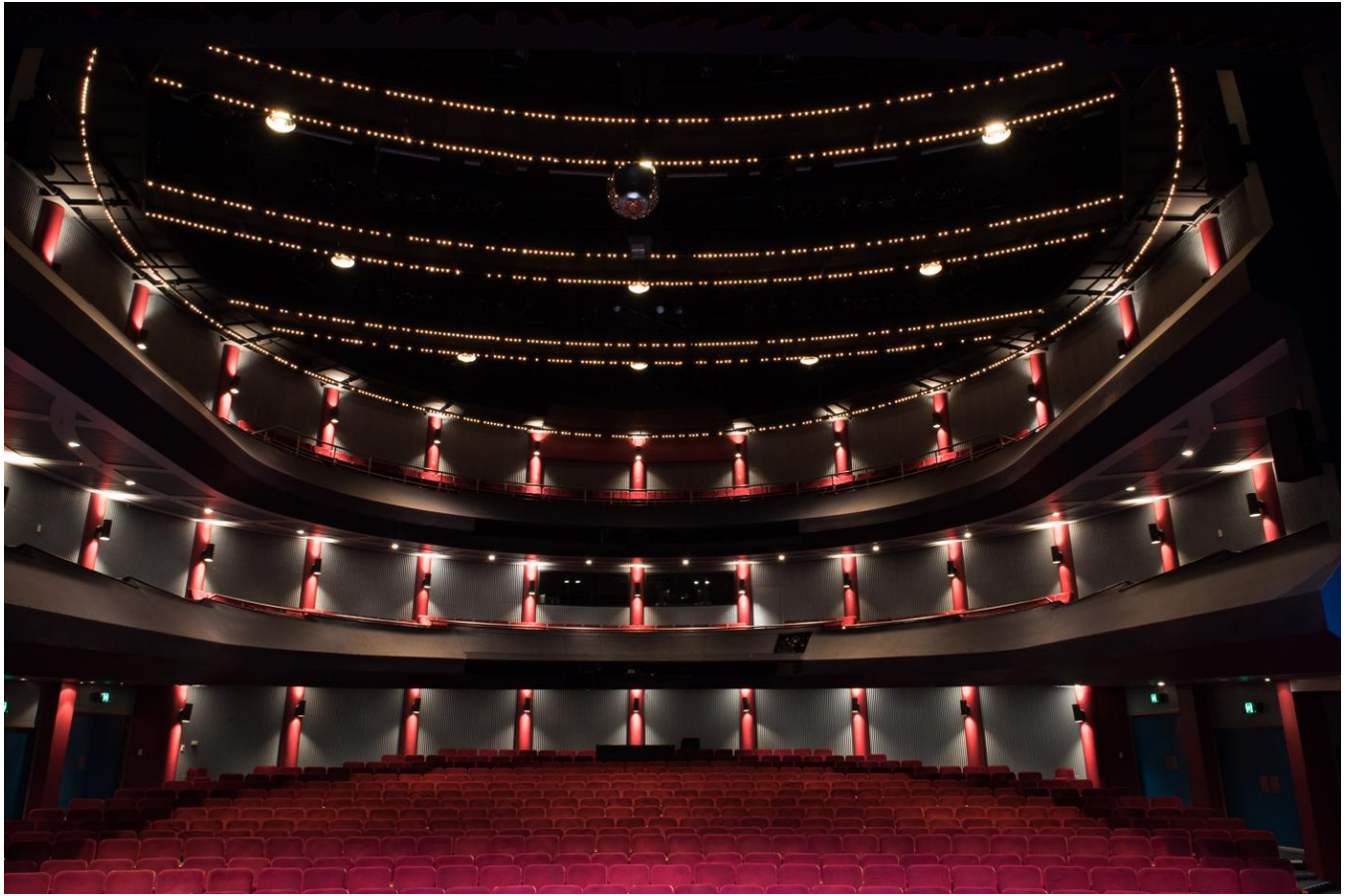




RIVERSIDE TECHNICAL SPECIFICATIONS 2026

CONTACT INFORMATION

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Box Office

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Mon – Fri 9:30am – 4:00pm

Sat 9:30am – 1:00pm

Plus, one hour to performance times

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Stage Door

P: 02 8839 3360

From 15 minutes prior to client / cast / crew venue access time

The information contained in this document is a guide only and any critical information should be confirmed on site including measurements and stage plans. No guarantee is made that the equipment or services listed will be available for a particular event and are subject to availability and the requirements of other venues within Riverside Theatres collective. Various pieces of equipment within this technical specification document is available for hire.

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INTRODUCTION

Entertaining Parramatta for 35 years. 1988 – 2023.

The staff of Riverside are passionate about bringing the very best the performing arts can offer to audiences in all pockets of the greater Sydney area. Parramatta is the geographic and demographic heart of Sydney and is easily accessed by road, train and ferry.

Located on the banks of the Parramatta River, Riverside Theatres is nestled in the midst of the Church Street Restaurant precinct. Pre-show dining and parking is ample, accessible and affordable.

A Bicentennial Project, Riverside Theatres opened in 1988 offering three venues under the one roof. The Rafferty's Theatre, the most intimate space seats around 88 people and suits small corporate events, seminars, stand-up comedy acts and is fitted out with the latest digital cinema equipment. The Lennox Theatre is a flexible space seating approximately 220 people. The largest theatre, the Riverside Theatre, can house up to 761 patrons with comfortable, plush seating in a conventional proscenium arch stage with orchestra pit and fly tower. Larger scale productions including international acts are often seen on the Riverside stage including Shakespeare, comedy, drama, ballet, contemporary dance and musicals.

Over 700 performances and events take place every year at Riverside Theatres.

Riverside Theatre Overview

Riverside Theatre is a traditional proscenium arch, 761 seat theatre venue with stalls, circle and gallery levels. The architectural design is based on a European Opera House concept to provide warm, intimate and live performance space. It is regarded as an A Reserve house, which means that sight lines are good in most seats and a standard ticket price can apply to the whole house at the Hirer's discretion.

The large stage area has a fly tower facility and boasts full staging, lighting and sound capabilities. It has an orchestra pit which can also provide an apron thrust stage when the pit is not required.

Building Code of Australia (BCA)

Riverside Theatres is designated as a Class 9b building under BCA classification. All activities onsite must comply with the provisions of the BCA including temporary structures onsite.

SEATING CAPACITY

The maximum capacity for the Riverside Theatre is 761 seats in the stalls, dress circle and gallery.

- Stalls with rows A & B installed (Mode A) 534 seats
- Stalls with rows A & B removed for stage extension or orchestra pit (Mode B) 500 seats
- Dress Circle 114 seats
- Gallery 113 seats

Seating venue plans are available for each of the seating modes as well as the dress circle and gallery levels. Please contact the box office or the Technical Duty Supervisor for plans. Additional seating maybe removed for camera positions etc following a conversation with our Technical Coordinators.

Stage to Stalls Stairs

If 'stage to auditorium' stairs are required to be installed, the capacity of the stalls is reduced by up to 6 seats.

- Seats A1, B1, C1 are removed for the Opposite Prompt / Stage Right stairs.
- Seats A15, B19, C23 are removed for the Prompt Side / Stage Left stairs.

Labour charges apply for installation of stage stairs.

- **Stairs can only be installed in Mode A seating configuration.**
- **Any stage stairs must be indicated in your box office form to be returned to the venue no later than 4 weeks prior to bump-in.**
- **Stage stairs cannot be removed mid production or between bump-in, rehearsals, performances and bump-out.**

AUDITORIUM ACCESSIBILITY

The stalls are wheelchair accessible via doors 2 and 3. Wheelchair accessible seating can be provided by removing the following stalls seating and a platform installed:

- Seats N34, N35, N36, P33 & P34 to fit a maximum of 2 wheelchairs.
- Seats N1, N2, N3, P1 & P2 to fit a further 2 wheelchairs.

High seat numbers are the default wheelchair position and the low seat numbers is the alternate position if the high side position is full.

Further seats can be removed out of N & P row to accommodate more accessibility seating. Please discuss with the Technical Duty Supervisor regarding this information.

Assisted Hearing System

Riverside has state of the art FM transmitter-receiver hearing systems to assist patrons who are hearing impaired. Riverside Theatre has 2 x dedicated channels within the theatre: One channel for the live relay loop and a secondary channel used for audio described performances.

We use a "Listen" radio hearing system where patrons access one of our receivers and have a choice of using:

- A provided single ear piece
- Bringing their own headphones with 3.5mm audio jack.
- A provided induction loop set to wear around their neck and connecting to a hearing aid with the T-setting.

To access this free service patrons need to reserve a receiver with the Riverside Box Office on 8839 3399 and collect the receiver, earpiece or loop from the Riverside Bar prior to the performance. Bookings are essential as the number of unit's onsite is limited.

STAGE SPECIFICATIONS

Surface

The Riverside stage floor surface is a black Masonite skin over a 17mm parquetry sprung timber floor.

Maximum Loading

Stage Design Load: 7.5kpa / sqm or 764.8 kilograms-force per square meter

OP Work Area Design Load: 5.0kpa / sqm or 509.8 kilograms/force per square meter

Stage Rake

The Riverside stage is a 0° pitch (flat) floor

Stage Care

Preferably there is no fixing to the stage floor. However, any required fixing to the floor must be discussed prior to bump in with the Technical Coordinator assigned to the relevant production. Any substantial damage to the stage floor from fixings or holes drilled will come at a cost to the hirer / touring production company for repair. A false floor must be provided if you require a different colour stage floor. The painting of the main stage floor is not permitted.

Tape used on the floor must be removable and not cause damage to or leave residue on the floor. The Venue Mechanist can provide the correct tape.

Key Dimensions

Setting Line:	Rear of the Proscenium Arch - 430mm from the stage edge		
Proscenium:	Width:	11.95m	
	Height:	7.37m	

Stage Dimensions

Width:	Stage Total Width (including OP work area):	25.4m
	Centre to OP:	15m
	Centre to PS:	10.4m
Height:	Stage to Grid:	18.72m
	Stage to Fly Gallery 1 rear catwalk:	8.87m
	Stage to Fly Gallery 1 hard border:	8.08m
	Stage to OP work area ceiling:	7.63m
	Stage to A/C vents under Fly Gallery 1 PS & OP:	7.50m
Depth:	Stage front to setting line:	0.535m
	Setting line to Line 66:	10.80m
	Setting line to rear wall:	12.20m
	Max Pit Front to Line 66:	14.00m
	Max Pit Front to rear wall:	15.40m
	Setting line to Ground Row:	9.00m

Key Distances

From	To	Distance
Setting Line	Bridge 1	12.30m
	Bridge 2	14.30m
	Bridge 3	17.10m
	Control Room	20.90m
	Dome Room	21.11m
	Audio Ops	18.30m
	Circle	17.10m
	Gallery	18.20m

NO BUILD ZONE / SAFETY FIRE CURTAIN

Riverside Theatre operates a smoke/safety curtain as part of the fire system. This safety curtain is located on the back of the proscenium arch wall and protrudes by 250mm. The area immediately beneath the Smoke Curtain is a non-negotiable no-build zone as per fire regulations. For further information, please contact the Technical Coordinators.

ORCHESTRA PIT / STAGE EXTENSION

Riverside Theatre has a motorised screw-jack orchestra platform that by default is covered with carpeted flooring and the A & B row seating providing the auditorium with the maximum seating capacity. The seats can be removed individually as can the carpeted segments revealing the black Masonite floor of the platform which is similar to the main stage surface. The platform can be set at any height and standard size treads can be added to gain access from the sub stage level to the orchestra pit. Please discuss any height requirements with the tech coordinators.

Stage Extension

With all seats and carpet segments removed the orchestra platform can be raised 950mm above the auditorium floor to the stage level creating a stage extension.

Orchestra Pit

The orchestra pit can be lowered 2800mm below the auditorium floor (3750mm below stage level) which is the same level as the sub stage floor.

Platform Dimensions

Max Length:	11.8m
Max Depth at Centre:	2.665m
Total Area:	26m ²
WLL:	10 Tonne

STAGING ROSTRA

All stage rostra are subject to availability. Additional hire and/or labour charges may apply. Please discuss with the Technical Duty Supervisor to request usage.

Prostage Risers

Riverside Theatres has 10 rostra measuring 1000mm x 2000mm. All decks are 300mm high and carpeted.

Prostage

Riverside Theatres have various portable Prostage stages and seating banks:

1 x 4m x 3m stage made up of 6 decks on a steel frame 600mm high

2 x 6m x 3m stage made up of 9 decks on a steel frame 600mm high

2 x 4m x 4m seating banks made up of 8 decks with 4 levels (600, 900, 1200, and 1500)

Stages and seating banks can be joined together to make bigger stages and wider seating banks.

Please discuss your requirements with the Technical Duty Supervisor for more information.

Safety and Usage

There is a safety rail policy on any platform over 900mm.

There is a strict non-negotiable NO screw and NO paint policy with the Riverside rostra.

Please discuss with the Technical Duty Supervisor if you require more information.

TARKETT

Tarkett is subject to availability. Additional hire and/or labour charges may apply. Please discuss with the Technical Duty Supervisor to request usage.

Riverside have 5 rolls of 2000mm x 15000mm x 5mm grey/black vinyl Tarkett.

LOADING DOCK

Riverside Theatre has direct access to the car park, which is located on the corner of Market, and Marsden Streets. Access is via a roller door on the OP side of stage. Stage level sits 740mm from the carpark ground. Riverside Theatres does not have load moving equipment onsite (eg forklift, pallet jack). There are 2 x ramps onsite that can be used to move equipment on and off a transport vehicle. The ramps are individual and do not connect to each other in any way to make a longer ramp. They can be placed side by side and loads can straddle both ramps. Important: Our ramps are custom made and have no ability to lock into a transport vehicle, our recommendation is that ramps designed for the vehicle should be used. Please ensure this is planned before the truck is parked at the loading dock

Roller Door Height:	3.20m
Roller Door Width:	3.50m
Ramp Length:	2.30m
Ramp Width:	0.6m

STAGE FLY SYSTEM

Riverside Theatres has a single purchase manual counter-weight system. There are 44 lines above the main stage and 2 Panorama bars (1 per side). The fly lines are operated from prompt side, stage level. Only trained and people authorised by Riverside Management may operate or handle the flying system.

Batten Drift:	18.00m
Batten Type:	48mm OD Steel Pipe
Batten Length:	15.40m
Batten Pick-up:	5 at 3.65m Increments away from Centre
Batten Point load:	100kg
Batten WLL:	400Kg
Cradle Capacity:	345kg
LX Bars can be swung:	Yes (Approval required by the Technical Coordinators)
Fly Bars can be swung:	Yes (Approval required by the Technical Coordinators)

Standard Fly Line Allocation

All measurements are taken from the setting line.

Line	Distance (mm)	Standard	Line	Distance (mm)	Standard
G1	400	Pelmet Border	33	5700	Half Stage Black
HC	650	House Curtain	34	5850	Not Installed
1	900	Border 1	35	6000	LX 3
2	1050	Legs 1 @ 5.5m	36	6150	
3	1200		37	6300	
4	1350	LX 1	38	6450	
5	1500	Not Installed	39	6600	
6	1650		40	6750	
7	1800		41	6900	
8	1950		42	7050	
9	2100	Not Installed	43	7200	Border 4
10	2250		44	7350	Not Installed
11	2400	Not Installed	45	7500	Legs 4 @ 5.5
12	2550		46	7650	Not Installed
13	2700	Not Installed	47	7800	LX 3a
14	2850	Border 2	48	7950	Not Installed
15	3000	Not Installed	49	8100	Not Installed
16	3150	Legs 2 @ 5.5m	50	8250	Not Installed
17	3300		51	8400	Border 5
18	3450	LX 2	52	8550	Not Installed
19	3600		53	8700	LX 4 (Empty)
20	3750		54	8850	Not Installed
21	3900	Not Installed	55	9000	Legs 5 @ 5.5m
22	4050	Not Installed	56	9150	Not Installed
23	4200		57	9300	LX 4A
24	4350	Not Installed	58	9450	Not Installed
25	4500	Border 3	59	9600	
26	4650	Not Installed	60	9750	
27	4800	LX 2a	61	9900	
28	4950	Not Installed	62	10050	
29	5100	Not Installed	63	10200	Full Stage Black
30	5250	Not Installed	64	10500	OP Pan Bar
31	5400	Legs 3 @ 5.5m	65	10650	P Pan Bar
32	5650	Not Installed	66	10800	Cyclorama

Scenery Rigging and Hardware

Riverside have a limited quantity of fly rigging. Our fly line lengths are 2.4m, 3.5m, 5m & 7m. We have an assortment of rigging hardware. Please contact the Technical Duty Supervisor if you require the use of this equipment.

DRAPERY

Standard Drapes

Type	Size (H x W)	Colour	Material	Standard Locations	Quantity
Pelmet	4m x 15.4m	Red	Pleated Velour	Line G1	1
House Curtain	9m x 8.3m	Red	Pleated Velour	Line HC	2
Leg	9m x 4m	Black	Flat Wool	Line 2	2
				Line 16	2
				Line 31	2
				Line 45	2
				Line 55	2
Border	4m x 15.4m	Black	Flat Wool	Line 1	1
				Line 14	1
				Line 25	1
				Line 43	1
				Line 51	1
Traveller Curtain	9m x 8.3m	Black	Pleated Wool	Line 33	2
Full Stage Black	9m x 15.4m	Black	Flat Wool	Line 63	1
Cyclorama	8.5m x 15.4m	White	Filled Cloth,	Line 66	1

Additional Drapes

Subject to availability. Additional hire and/or labour charges may apply. Please discuss with the Technical Duty Supervisor to request usage.

Type	Size (H x W)	Colour	Material	Quantity
House Curtain	9m x 8.3m	Red	Pleated Velour	2
Stage Black's	9m x 8.3m	Black	Pleated Wool	2
Full Stage Black	9m x 15.4m	Black	Flat Wool	1
Stage Black's	8.5m x 8.7m	Black	Flat Wool	2
Cyclorama	8.5m x 15.4m	White	Filled Cloth	1

STAGE HEIGHT ACCESS EQUIPMENT

Elevated Work Platform

Riverside has an elevated work platform onsite to be shared across all venues. Outriggers must be used at all times unless obstructed. Operators must provide evidence of EWP training prior to use. Due to the shared nature of the EWP across all venues, availability cannot be guaranteed.

Model: Snorkel TV/25 Man Lift

Max Height: 8.3m

Max Weight: 136kg

Ladders

Riverside have a variety of ladders that are shared across all venues. Due to the shared nature of the ladders, availability cannot be guaranteed.

Type	Height	Material	Quantity
A-Frame (treads both sides)	12ft	Aluminium	1
A-Frame (Treads one side)	6ft	Aluminium	3
A-Frame (Treads one side)	4ft	Aluminium	1
Extension Ladder	6.4m Extended	Aluminium	1

COMPRESSED AIR

Riverside Theatre has a compressor and compressed air outlets in the floor traps on each side of the stage. Please discuss any requirements of the use for this equipment with the Technical Coordinators.

ORCHESTRA EQUIPMENT

Orchestra Baffles

Riverside has a series of orchestral baffles designed for large-scale orchestra performances. Additional hire and/or labour charges may apply with the usage. Please discuss with the Technical Duty Supervisor to request usage.

Flown Baffles

The flown baffles are suspended from fly lines to create a false ceiling to prevent sound travelling upwards into the fly tower. The height of the baffles is generally 7m above stage and may be custom installed to meet the acoustic requirements of the orchestra. The full set of orchestra baffles utilise the full fly tower with LX bars in between creating overhead lighting positions.

Ground Standing Baffles

There are 4 x ground standing book flat style baffles available to create a hard reflective surface around the soft masking of the theatre. These book flats can be complimented with 12 x rear baffle flats which create a reflective shell around the back of the orchestra. The rear wall baffles have a curved top to push the sound back to the players. The rear flats can be used with or without the book flat baffles and vice versa.

Orchestra Accessories

A list of additional orchestra accessories is listed below. This equipment is shared between all venues and may be subject to availability and hire costs.

- 30 x music stands
- 30 x LED Warm White Sconces
- 1 x Conductors music stand and podium
- 20 x Orchestra Chairs (non-height adjustable)
- 6 x Orchestra Stools

PIANOS

Yamaha C5X Grand Piano

Riverside Theatre has a Yamaha C5X Grand Piano available. Additional hire charges and tuning labour charges may apply with the usage. Please discuss with the Technical Duty Supervisor to request usage.

Roland RD-2000

Riverside Theatre has a Roland RD-2000 electric stage piano with dual sound engines, finest true feel action. Has a sustain pedal and keyboard stand. Subject to availability and hire fees.

Piano Stools

Riverside has an assortment of long benches and a cushioned height adjustable stool.

LIGHTING & ELECTRICS SPECIFICATIONS

Lighting Control

ETC Gio

The Riverside Theatre stage lighting is controlled by an ETC Gio console licenced to 4000 channels. This console is primarily located in the control booth at the circle level of the venue. The console has 2 external ELO touch screen monitors and 2 internal touch screen monitors. Additional console accessories can include a 1 x 40 non-motorised-fader wing and a 1 x 20 non-motorised fader wing. These fader wings are shared between venues and are subject to availability. Please discuss requirements with the Technical Duty Supervisor if you require usage.

Alternative Control Positions

If lighting operation is required from the back of the auditorium stalls / audio position, then additional seats in T row will need to be removed and therefore accounted for in your planning. For extended plotting sessions lighting control can be relocated to the auditorium stalls as a production position in the centre of N and P rows. If the console is required to be relocated, it must be negotiated in advance to bump-in with the Technical Coordinators. Additional labour charges will apply for the installation and removal of the production desk.

Lighting Wi-Fi Control / Riggers Remote

Riverside has a dedicated technical Wi-Fi network for use with the ETC riggers remote software to be able to remotely control the Gio. Please discuss with the Technicians onsite if access to this Wi-Fi network is required for your device. Riverside does not own any dedicated devices for usage as a riggers remote. It is not a condition or an expectation that Riverside Technicians have the riggers remote software on their own personal devices.

Lighting Data Distribution

The ETC Gio has 2 on board DMX outputs that are not used by default. Primary DMX distribution is provided by 2 x ETC 4-Port Response Gateways running ACN (sACN) protocol and providing both DMX & RDM output. The Gateways by default are set to output 8 universes. Both Gateways are located in the prompt corner of the FOH Bridges. All the following venue ports run back to a patch bay in the same location.

Venue Lighting Data Ports:

Location	DMX	Ethernet
Lighting Control Room	2 x input streams	1
PS Bridge 3	2 x output streams	1
OP Bridge 3	2 x output streams	1
PS Bridge 2	2 x output streams	1
OP Bridge 2	2 x output streams	1
PS Bridge 1	2 x output streams	1
OP Bridge 1	2 x output streams	1
PS Forestage Gallery	2 x output streams	1
OP Forestage Gallery	2 x output streams	1
PS Fly Gallery 2	6 x output streams	3
OP Fly Gallery 2	6 x output streams	3
PS Downstage @ Stage level	2 x output streams	1
OP Downstage @ Stage level	2 x output streams	1
PS Upstage @ Stage level	2 x output streams	1
OP Upstage @ Stage level	2 x output streams	1
Audio Ops Position	2 x input streams	Nil

DMX Splitters

Riverside has 3 x DD8 DMX splitters located at the lighting data patch bay. Additional DD8 units may be available for use. Please contact the Technical Duty Supervisor if you require additional DD8 units. Please note DD8s do not pass RDM. Riverside does not own any DMX/RDM splitters.

Lighting Positions

There are 3 Front of House lighting bridge positions. Bridge 3 is the furthest from stage providing a 15° angle, Bridge 2 is the centre bridge providing a 45° angle and Bridge 1 is the closest to the proscenium providing a 75° angle. Due to the proscenium height Bridge 1 lanterns will not reach upstage centre. 2 Front of House Drop Boxes, 1 FOH Circle bar, 1 FOH Gallery bar, 6 Onstage lighting bars, 2 Panorama bars with 4 x ladders on each and 2 full size box booms. The shot from the box boom is limited, please refer to the venue lighting plans for clarification. There are 10 x 2.4m booms available for additional hire to add additional side lighting. These are shared across the venues and are subject to availability.

Standard Lighting Rig

The Theatre comes with a standard lighting configuration that provides an excellent basis for most productions. The standard rig is made up of 100 intelligent LED fixtures and 44 conventional fixtures. Copies of the latest standard lighting plans are available by contacting any member of the Technical Department. Any changes from standard required for a production must be sent in advance (minimum 2 weeks from bump in) to the Technical Duty Supervisor for review. Labour charges will apply to venue pre-rigs and venue resets. Venue pre-rigs need to be accommodated in your production schedules.

Standard Rig lamp List

- 24 x 14deg Lustr 2+ Profiles
- 8 x 19deg Lustr 2+ Profiles
- 9 x 26deg Lustr 2+ Profiles
- 15 x 36deg Lustr 2+ Profiles
- 36 x 1.2k Rama Fresnels
- 8 x ETC Coloursource Ground Row Cyc Units providing Full LED colour
- 8 x ETC Coloursource Top Row Cyc Units providing Full LED colour
- 8 x 110V Par 64 Parcans
- 8 x Robe 300+ Moving Wash lamps
- 4 x Robe DL4S Moving Profile lamps
- 16 x Phantos 24x12w RGBWA+UV Led Hex Panel w/ Barn Doors

Standard Rig Positions/Description

Location	Fixtures
Bridge 3	14deg Lustr S2 intelligent fixtures providing an overlapping 3 area downstage front wash 19deg Lustr S2 intelligent fixtures for FOH specials 36deg Lustr S2 intelligent fixtures providing a 3 area gobo wash
Bridge 2	14deg ETC Lustr S2 intelligent fixtures providing an overlapping 3 area upstage front wash 19deg Lustr S2 intelligent fixtures for FOH specials
Bridge 1	12/28 1k Selecon Pacific's providing auditorium to stage stair lights or MD specials
Drop Boxes	23/50 1K Selecon Pacific's providing mirror ball specials
Box Booms (both PS & OP)	1K Par 64 Parcans providing curtain warmers
LX 1	1.2K Selecon Rama Fresnel's providing a 4 colour wash downstage 36deg Lustr S2 intelligent fixtures providing an overhead breakup gobo wash downstage 26deg Lustr S2 intelligent fixtures providing static onstage specials.
LX 2	1.2K Selecon Rama Fresnel's providing a 4 colour wash midstage 36deg Lustr S2 intelligent fixtures providing an overhead breakup gobo wash midstage 26deg Lustr S2 intelligent fixtures providing static onstage specials.
LX 2a	ROBE DL4S moving head profiles for various applications. ROBE 300+ moving head wash lamps for various applications Phantos 24x12w RGBWA+UV Led Hex Panel w/ Barn Doors providing coloured backlight to downstage
LX 3	1.2K Selecon Rama Fresnel's providing a 4 colour wash upstage 36deg Lustr S2 intelligent fixtures providing an overhead breakup gobo wash upstage 26deg Lustr S2 intelligent fixtures providing static onstage specials.
LX 3a	ROBE DL4S moving head profile for various applications ROBE 300+ moving head wash lamps for various applications Phantos 24x12w RGBWA+UV Led Hex Panel w/ Barn Doors providing coloured backlight to mid and upstage
LX 4	8 x ETC Coloursource Ground Row Cyc Units providing Full LED colour
Pan Bar Ladders (4 ladders each side of the stage positioned between each set of legs)	Phantos 24x12w RGBWA+UV Led Hex Panel w/ Barn Doors
Ground Row	8 x ETC Coloursource Ground Row Cyc Units providing Full LED colour

Follow spots

Follow spots can be hired upon request. Minimum of one Riverside Theatres Technician is required to operate a follow spot. Riverside or the visiting company/hirer can provide additional follow spot operators. Advance notice of 2 weeks is required for follow spot use.

Spare Lighting Stock

We have a very limited supply of spare lighting stock which is subject to availability and may incur hire fee. Please contact the Technical Duty Supervisor for more information and to discuss your requirements.

Dimmers

Riverside Theatre has a total of 156 dimmers in total which consists of the following:

120	Strand 5kw Dimmers located in the Dimmer Room for venue patch points
1	Jands 12 channel HP Dimmer Rack: Floor, Upstage Prompt Side
1	Jands 12 channel HP Dimmer Rack: Fly Floor Prompt Side (LX2A)
1	Jands 12 channel HP Dimmer Rack: Fly Floor OP Side (LX3A)

Patch Distribution

Electrical patch points are located in the following areas within the stage and auditorium spaces:

Location	Patch Circuits
Front of House lighting bridges	26 x 10amp circuits & 4 x 20amp circuits per bridge
Front of House drop boxes	8 x 10amp circuits & 2 x 20amp circuits per side
Front of House balconies	16 x 10amp circuits & 4 x 20amp circuits per balcony
Front of House box booms	8 x 10amp circuits & 2 x 20amp circuits per side
Orchestra Pit	2 x 10amp circuits & 2 x 20amp circuits
Onstage Foot Light Trap	2 x 10amp circuits & 2 x 20amp circuits
Onstage LX bars (LX 1, 2, 3 & 4)	24 x 10amp circuits & 6 x 20amp circuits per LX bar (4 outlets on LX 1, 2 & 3 and 8 outlets on LX 4 are used for the ladder circuits)
Onstage LX bars (LX 2a & 3a)	12 x 10amp circuits
Onstage Floor Traps	5 x 20amp circuits & 2 x 20amp Power circuits per trap
Onstage Pan Bar Ladder's	4 x 10amp circuits to each

Floor Traps

Riverside has 4 x floor traps on each side of stage. Each of these contains 5 x dimmer patch points, 2 x hot power circuits and compressed air. These floor traps are 20amp circuits.

House Lights

House lights are controlled by a standalone Strand system. The light level and fade time can be adjusted but is a 5s fade as standard. The control for the house lights is located in the lighting control room as well as in Prompt corner of the stage. If required a remote can be installed for control at the rear of the stalls. The 6 house lights over the stalls seating can be controlled from the lighting console and are RGBAW led's. Adjustment of house lights must be discussed with the Technical Duty Supervisor for approval.

Smoke & Haze

Smoke and haze machines are available for hire in Riverside without the need for fire isolation. The following units are available but are shared between venues and will be subject to availability and hire costs.

- 2 x Gig Haze 2100
- 1 x Antari Z3000 Smoke Machine
- 2 x Smoke Factory Tour Hazer II

Any hazer or smoke machine brought in externally must be approved with the Technical Duty Supervisor prior to install and activation and must have a current test and tag label. A material safety data sheet (MSDS) will need to be supplied prior to approval being given. Precautions must be taken in the venue to prevent external smoke / haze machines from setting off fire alarms. Any additional costs required to prevent false alarms from occurring is the responsibility of the hirer or touring production company. The hirer and/or touring production company will be responsible for any false alarms that result in a fire brigade call out fee. Riverside would prefer hirers not to use any oil based hazers.

Hot Power & Distribution

Riverside Theatre has a number of standard GPOs around the building with 20A and 3 Phase outlets being noted below. Audio Power is not counted in this table.

Area	Power Outlets	Standard Use
Prompt Upstage Wall	1 x 32A 3 Phase Outlet 1 x 20A Outlet	Upstage Prompt Dimmer Rack Not in use
Prompt Downstage Wall	1 x 32A 3 Phase Outlet 2 x 20A Outlet	Not in use Not in use
OP Upstage Wall	1 x 20A Outlet	Not in use
OP Downstage Wall	1 x 32A 3 Phase Outlet 1 x 20A Outlet	Not in use Not in use
Prompt Fly Gallery	1 x 32A 3 Phase Outlet	LX 2a Dimmer Rack
Op Fly Gallery	1 x 32A 3 Phase Outlet	LX 3a Dimmer Rack
Dimmer Room	5 x 32A 3 Phase Outlets	3 x Outlets used for intelligent distro
Prompt side Sub stage	1 x 32A 3 Phase Outlet	Not in use
Prompt side Orchestra Pit	1 x 32A 3 Phase Outlet	Not in use
LX 1	4 x 20A outlets	Not in use
LX 2	4 x 20A outlets	Not in use
LX 3	4 x 20A outlets	Not in use
Bridge 1	2 x 20A outlets	Not in use
Bridge 2	2 x 20A outlets	Not in use
Bridge 3	2 x 20A outlets	Not in use

LIGHTING RISK MANAGEMENT

Strobe, Ultra-Violet Lights and Lasers

Please notify the Technical Duty Supervisor no later than 4 weeks prior to bump in if you have any intention of the use of strobe, ultra-violet light or lasers within your production and submit a Risk Assessment outlining control measures to minimise risks associated with use. Lasers may only be used with prior written approval and the associated statutory requirements submitted 4 weeks prior to your production.

Snow, Fogger & Low Fog Machines and Dry Ice

Any smoke or snow machines, hazers or dry ice that are brought into Riverside Theatres must have prior approval of the Technical Coordinators. A Risk Assessment outlining control measures to minimise risks associated with use as well as a Material Safety Data Sheet (MSDS) is required before approval can be given.

Pyrotechnics

- Pyrotechnics and any form of naked flame may only be used with prior written approval from the Riverside Operations Manager and the associated statutory requirements submitted to the venue 4 weeks prior to your production. You must provide a valid copy of the NSW WorkCover Fireworks and Pyrotechnics Licence and Notification relating to the performance and a Safe Work Method Statement.
- Precautions must be taken in the venue to prevent pyrotechnics from setting off fire alarms. Any additional costs required to prevent false alarms from occurring is the responsibility of the hirer or touring production company. The hirer and/or touring production company will be responsible for any false alarms that result in a fire brigade call out fee.

AUDIO SPECIFICATIONS

Audio Control

Soundcraft Vi3000

The Riverside Theatre has a Soundcraft Vi3000 console which is compatible with 3 stage boxes as listed below. All effects processing, dynamic processing and spectrum processing is done within the audio console.

Soundcraft Stage Boxes

Model	Connections	Inputs	Outputs	Options
Vi Stagebox	Dual Port Madi	64	32	N/A
Compact Stagebox	Dual Port Madi	32	16	Aviom Card
Mini Stagebox	Single Port Madi	16	8	N/A

All stage boxes are shared between venues and are subject to availability, please contact the Technical Duty Supervisor to discuss your requirements.

Audio Control Position

There is only one audio operation position in the Riverside Theatre, located at the back of the stalls. If you require audio in a different position, please contact the Technical Duty Supervisor for discussion.

Audio Recording

The Soundcraft Vi3000 console has built in Dante and has all inputs pre-mapped to the Dante output bus. Riverside does not offer any hardware or software to do multi-track recordings from the console at this time. It is the responsibility of the hirer / visiting production company to provide the necessary computer equipment and staff to achieve a recording.

Audio Wi-Fi Control

Riverside has a dedicated technical Wi-Fi network for use with the Soundcraft remote software to be able to remotely control the Vi3000. Please discuss with the technicians onsite if access to this Wi-Fi network is required for your device. Riverside does not own any dedicated devices for usage as a console remote. It is not a condition or an expectation that Riverside technicians have the software on their own personal devices for use by hirers or visiting production companies.

Audio Data

The Soundcraft Vi3000 runs on Madi infrastructure that utilises two dual Ethernet streams (Madi A and Madi B) and therefore located around the venue are Cat 6 Ethernet ports that head to a patch rack in the OP box boom at stage level. **Riverside does not have the provisions for fibre data links.**

Venue port locations for audio data include:

Location	Audio Data – Ethernet
Audio Ops Position	7
PS Downstage @ Stage level	5
OP Downstage @ Stage level	5
PS Upstage @ Stage level	5
OP Upstage @ Stage level	5
PS Orchestra Pit @ Sub-Stage level	5
OP Orchestra Pit @ Sub-Stage level	5
Sub-Stage Ceiling @ Centre stage	2

Key Distances to PA Positions

From	To	Distance
Audio Ops Position	Line Array	18.84m
	Stalls Left & Right	18.32m
	Circle Left & Right	18.12m
	Gallery Left & Right	18.44m
	Front Fill	18.60m
	Deep Subs	20.63m

Loudspeaker System

Riverside provides a genuine Left, Centre, Right & Sub FOH audio system comprising of the following:

- Centrally hung mono line array
- Stalls front fill on the front edge of the stage
- Stalls left & right
- Paired Balconies left & right of both the circle and gallery levels.

The Sound System has been designed to maximize the sound quality suited to the structural design of the venue.

Main Array

The main array is a single unit hung centre of the auditorium above the proscenium arch. The array consists of the following from top down:

Location	Brand	Model
Box 1	Alcons	LR14Bass
Box 2	Alcons	LR14Bass
Box 3	Alcons	LR14Bass
Box 4	Alcons	LR14/120
Box 5	Alcons	LR14/120
Box 6	Alcons	LR14/120

Box 7	Alcons	LR14/120
Box 8	Alcons	LR14/120
Box 9	Alcons	LR14/120
Box 10	Alcons	LR14/120
Box 11	Alcons	LR14/120

The bottom two LR14 boxes can be muted independently from the array when the orchestra pit is in use as either an orchestra pit or stage extension.

Stalls Support Fill

Location & Quantity	Brand	Model
Left & Right x 2	Alcons	VR12
Stage Front Fill x 5	BOSE	M32SE

Circle Support Fill

Location & Quantity	Brand	Model
Left & Right x 2	Alcons	QR24

Gallery Support Fill

Location & Quantity	Brand	Model
Left & Right x 2	Alcons	QR24

Sub System

Location & Quantity	Brand	Model
Grid above main array x 2	Alcons	BF302i
Lower box booms x 2	BOSE	502B

Foldback

Quantity	Brand	Model
6	Alcons	VR12

Amplification

Brand	Model	Driving
Crown	CE2000	2 x BOSE 502B
Creative Audio	A2000	5 x BOSE M32SE
Alcons	Sentinel 3	Up to 8 VR12 foldbacks
Alcons	Sentinel 3	6 x QR24
Alcons	ALC2 with DDP	6 x LR14
Alcons	ALC2 with DDP	2 x LR14 & 1 x LR14B
Alcons	ALC2 with DDP	2 x LR14B
Alcons	ALC4 with DDP	2 x BF302i

System Processor

1 x BSS Audio London Blu-160 signal processor at the FOH mixing position including:

8 x Analog XLR inputs

4 x Digital AES XLR inputs

2 x BSS Audio London Blu-Box break-out boxes in the Amp room including:

16 x Analog XLR outputs from the DSP system.

The DSP is configurable to the following:

- Subs can be fed from an internal matrix of L & R, matrix of Centre or an Independent Sub input fed from the console.
- Alcon's Subs & Bose Subs can be muted from each other.
- Top three LR14's of the centre array can be muted (pointing at the balconies)
- Bottom two LR14's of the centre array can be muted (pointing at the orchestra pit)
- Balconies L & R can be muted and independently levelled from the Stall's L & R.
- Front fill can be fed from an internal matrix of L & R, matrix of Centre or an Independent auxiliary input
- Full System EQs by-passable
- Full System Delays by-passable
- Matrix output of Left, Right & Centre to the Stage Managers Desk Speaker.

The BSS Audio London Blu-160 signal processor functions as a loudspeaker management and audio matrix system. The system processing and routing can be adjusted through buttons and controls on a BSS EC8BV remote control unit located at the FOH operating position.

Audio Power

Riverside have dedicated audio power outlets located all over the venue. They have a separate earthing structure to minimise noise on the power stream. The following locations have audio power outlets as indicated by RED power point outlets.

Location	Red Power Outlets
Audio Ops Position	4
PS Downstage @ Stage level	4
OP Downstage @ Stage level	4
PS Upstage @ Stage level	4
OP Upstage @ Stage level	4
Circle Front	2
Gallery Front	2
Lighting Control Room	2

Analog XLR Input Patch Points

Location	Quantity	Patch Numbering
OP Pit @ under flap in pit floor	8	1-8
Centre Pit under flap in pit floor AND replicated @ downstage centre under false stage floor cover	8	9-16
Prompt Pit under flap in pit floor	8	17-24
OP Downstage @ Stage level	8	25-32
Prompt Downstage @ Stage level	8	33-40
OP Upstage @ Stage level	4	41-44
Prompt Upstage @ Stage level	4	45-48
OP Downstage @ Fly Gallery One	4	49-52
Prompt Downstage @ Fly Gallery One	4	53-56
OP Downstage @ Fly Gallery Two	4	57-60
Prompt Downstage @ Fly Gallery Two	4	61-64

Analog XLR Output Patch Points

Location	Quantity	Patch Numbering
OP Downstage @ Stage level	2 Male XLR 2 Female XLR	A & B C & D
Amp Room	8 Male & Female XLR Combos	P, Q, R, S, T, U, V
Control Room Ties between venues	4	W, X, Y, Z

Playback Devices

Riverside Theatres has a number of devices for playing back. Standard in the venue are 2 x Denon CD players. Available for hire but subject to availability are computers with playback cueing software such as QLAB. Please discuss with the Technical Duty Supervisor should you wish to hire Riverside's computers for your production.

Radio Microphones

The Riverside Theatre has 2 x ULXD L51 band quad receivers providing the venue with 8 channels of RX as standard. The transmitters can be used as either headsets, handhelds or a mixture of both. 2 Radio microphones are included with the hire of the venue; any further radio microphones will incur a hire charge. Please discuss your requirements with the Technical Coordinators. The following are the transmitters that belong to this system:

Make	Model	Details	Frequency Band	Quantity
Shure	ULXD2	Wireless handheld microphone with Beta 58 head	L51: 632-696MHz	8
Shure	ULXD1	Wireless belt pack transmitter with 4-pin TQG (mini XLR) connector	L51: 632-696MHz	8

The Riverside RX system has two Shure paddle antennas located in the circle front aimed at the stage. Other RX systems around the venue also uses H51 – 534-598MHz & L8 – 626-698MHz

Additional Radio Microphones

Riverside has a portable ULXD L51 band quad receiver which is available if more than 8 RX systems is required. These are shared between venues and are subject to availability and hire costs. If more than 12 radio microphones are required, please contact the Technical Duty Supervisor to discuss your requirements. The following are the transmitters that belong to our portable system:

Make	Model	Details	Frequency Band	Quantity
Shure	ULXD2	Wireless handheld microphone with Beta 58 head	L51: 632-696MHz	4
Shure	ULXD1	Wireless belt pack transmitter with 4-pin TQG (mini XLR) connector	L51: 632-696MHz	4

Wired Microphones

Riverside Theatre has a variety of vocal, Instrument and hanging mics available. All microphones are shared between venues and are subject to availability and hire charges. Please contact the Technical Duty Supervisor to discuss your requirements. The following is what we have in-stock:

Make	Model	Details	Recommended Use	Quantity
Shure	Beta 58	Dynamic vocal microphone	Singing, vocals and speech	10
Shure	Beta 57	Dynamic instrument microphone	Instruments	3
Shure	SM 57	Dynamic instrument microphone	Instruments	5
Shure	Beta 52	Dynamic bass microphone	Bass, Drums and Cellos	2
Shure	MX393S	Plate condenser microphone	Tap or vocal amplification	6
DPA	D:fine 4088	Directional headset microphone	Singing, vocals and speech	4
DPA	D:fine 4066	Omnidirectional headset microphone	Singing, vocals and speech	14
DPA	D:fine Slims	Omnidirectional headset microphone	Singing, vocals and speech	6
DPA	D:vote 4099	Clip on instrument microphone (kit of 10 mics with various instrument attachments)	Various instrument applications – mainly drum, piano and strings	10
RODE	NT5	Multi pattern small diaphragm condenser microphone	Instruments	2
Peavey	PVM 480	Small diaphragm condenser	Instruments	4
Sennheiser	E901	Plate condenser microphone	Tap or bass drum	4
Sennheiser	e904	Dynamic cardioid microphone	Drums and percussion	4
Sennheiser	e906	Super Cardioid Dynamic microphone	Instruments	2
Sennheiser	e914	Small diaphragm condenser microphone	Instruments	4

Additional Accessories

Riverside Theatres has a range of audio accessories that are shared between venues. These are subject to availability and may incur a hire charge. Please contact the Technical Duty Supervisor to discuss your requirements.

Accessory	Quantity Available
Pro Co DB-1 Direct Box (Mono)	5
Radial Pro AV 2 – Multi Media DI (Stereo)	6
Radial USB Pro – USB to Audio DI Box	2
Behringer – Ultra-DI D120 – (Stereo)	2
Radial Isolation Box (Stereo)	6
Tall Boom Microphone Stands	12
Round Base Straight Microphone Stands	8
Short Boom Microphone Stands	6
Table Mic Stands	10
QSC K12 Active Speaker	2
QSC K10 Active Speaker	4
QSC K8 Active Speaker	2
QSC KSub Active Sub-Woofer	2
Peavey SP112MX – Passive foldback wedge speaker	6
Speaker Stands	8
Amplifiers for Peavey SP112MX	4

Performance Sound Levels

All productions should ensure that they are within the guidelines set by the Australian Entertainment Safety Resource Guide which is defined from the WHS Regulations, Australian Standards and Codes of Practice around hearing loss. By default, regulations state a LAeq, 8h of 85dB (A) or a LC, peak of 140 dB(C). In other words, performers, staff and patrons should not be subjected to more than 85dB for a continuous 8-hour period and should not be subjected to a peak of 140 dB at any time. The table below demonstrates the length of time a person without hearing protectors can be exposed before the standard is exceeded:

Exposure Level dB	Exposure Time	Exposure Level dB	Exposure Time
85	8 hrs	97	30 min
88	4 hrs	100	15 min
91	2 hrs	103	7.5 min
94	1 hr	106	3.8 min

The Management of Riverside Theatres reserves the right to exercise control of sound levels to ensure the standard is kept and as determined by the Technical Coordinators.

VISION SPECIFICATIONS

House Projector

As standard Riverside has an EB-L1755UNL - Epson – 15,000 lumens WUXGA Large Venue 3LCD Laser Projector which is mounted in the centre of the gallery level balcony. Specs are as follows:

Projection System:	Epson 3LCD, 3-chip Technology – Laser Diode Light Source
Native Resolution:	WUXGA (1920 x 1200) w/ 4K Enhancement Technology
Colour Brightness:	15,000 Lumens
White Brightness:	15,000 Lumens
Aspect Ratio:	16:10 (Supports: 4:3, 16:9, 16:10)

Riverside have two lenses available for the projector:

ELPLM10	Middle-Throw Zoom Lens #3
Throw Ratio	(4.3): 3.39 - 5.17
Throw Ratio	(16:10): 3.32 - 5.06
Screen Sizes	60" – 500"
Zoom Ratio	1 – 1.61
Focal Length	55.4 mm - 83.3 mm
F:Number	F/1.81 - 2.4

ELPLM15	Middle-Throw Zoom Lens #2
Throw Ratio	(4.3): 2.59 – 4.18
Throw Ratio	(16:10): 2.16 – 3.48
Screen Sizes:	60" – 500"
Zoom Ratio:	1 – 1.6x
Focal Length:	36.0 mm to 57.4 mm
F-Number:	F/1.8 to 2.35

If you require the projector to be moved, please contact the Technical Coordinators. Additional labour charges will apply.

Additional Projectors

Riverside Theatre has 2 additional projectors that are shared between all the venues.

1. Sanyo PDG-DHT100L True HD Single Chip DLP Projector.

Projection System:	2cm DLP
Resolution:	1920 x 1080
Colour Brightness:	6,500 Lumens
Contrast:	7,500:1
Aspect ratio:	16:9

There are two Lenses available for the projector:

LNS W51 **Short throw zoom lens**

Throw ratio:	1.2 - 1.5:1
Screen Sizes:	50" – 300"
Zoom:	1.25x
Focal Length:	25.8mm – 32.2mm
F-number:	2.3 – 2.7

LNS-T50 **Long throw zoom lens**

Throw ratio:	2.8 – 5.0:1
Screen Sizes:	49" – 593"
Zoom:	1.8x
Focal Length:	59.3mm – 106.7mm
F-number:	2.0 – 2.9

2. Epson EB-L1075UNL Projector

Projection System:	RGB liquid crystal shutter projection system
Resolution:	WUXGA (1920 x 1200)
Colour Brightness:	7000 Lumens
Contrast:	2,500,000:1
Aspect ratio:	16:10

There is one lens available for the projector:

ELPLX01 **Ultra Short throw lens**

Throw ratio:	0.35:1
Screen Sizes:	100" to 300"
Zoom:	0
Focal Length:	5.8mm
F-number:	1.9

All projectors are subject to availability, hire and labour charges.

Projection Screens

Various Projection screens are available for use in Riverside as listed below.

Type	Size (L x H)	Standard
16:9 Front projection screen Can be flown or self-standing	8m x 4.5m	Flown screen as standard on line 29.
Rear cyclorama Can only be flown	15.40m x 8.50m	Flown cyclorama as standard on line 66.

If you require a change to the standard screen setup it must be discussed with the Technical Duty Supervisor and may incur additional setup costs.

TV Screens

LCD monitors are available in various sizes listed below.

Type	Input Options	Mounting Type	Quantity Available
65" LCD HD TV	DTV, HDMI	Boom-pole mount & Desk stand	2
65" LCD HD Portable Screen	HDMI, VGA	Permanent mount to a wheelbase stand (screen can be rotated to portrait mode)	1
55" LCD HD Portable Screen	HDMI, VGA, USB	Permanent mount to a wheelbase stand. (screen is set to landscape mode)	1

The circle front is fitted with a 32" LCD screen. This screen can be setup as a Camera feed for conductors / music directors, countdown timers or auxiliary feed from the vision switcher as a fold back screen for presentations etc. Setup and hire charges may apply.

Vision Switching and Mixing

Riverside has a Roland V-160HD multi-format vision switcher available for hire for multiple input and output configurations including HDMI and SDI. Video Fold back and auxiliary feeds can also be provided. Please discuss with the Technical Duty Supervisor if you require use of this equipment.

Inputs / Convertors

The Riverside Theatre has provisions for HDMI, VGA, Display Port, Mini Display Port, Thunderbolt & USB-C Inputs for Vision. We also have DVD playback if required.

Vision Data

Riverside Theatres has multiple lines of SDI & Cat 6 located throughout the venue which are patched at the lighting control room. Venue vision data port locations include:

Location	SDI	Cat 6
Gallery Front	2	2
Circle Front	2	2
Audio Ops	2	2
Downstage Prompt Side @ Stage Level	4	2
Downstage OP Side @ Stage Level & Fly Gallery 1	2	2

Playback Devices

Riverside Theatres has a number of devices for playing back content which are shared across the venues so will be subject to availability and hire fees. Playback equipment includes: Mac and PC computers with playback cueing software such as QLAB and/or PowerPoint. Please discuss with the Technical Duty Supervisor should you wish to hire Riverside's computers for your production.

Camera Positions

The standard camera positions in the Riverside Theatre are at the rear of the stalls behind T row seating. The positions are slightly to the left or right of centre as the sound console is centre of the room. If you require a camera position outside of this area it must be discussed with the Technical Coordinator and Box Office Coordinator. **This conversation needs to occur in advance to your production going on sale as once tickets have been sold, no adjustments can be made.** Cameras are not permitted to be setup in any walkways, aisles or rows as it is a violation of egress and fire regulation.

COMMUNICATIONS

Stage Managers Desk (SMD)

The Stage Manager's Desk (SMD) is located in downstage prompt side corner downstage. The desk can be moved a limited distance away from this area with service umbilical cables attaching the SMD to the prompt corner. The following equipment is located within the SMD:

Equipment	Standard Use	Quantity
7" LCD Screens	Day and Night SDI relay screens of the stage. One screen can pick up DTV feeds of other areas in the venue.	2
Gooseneck lighting system	Positional work lights over the desk and on each side of the desk	4
Strip lighting system	General work light over the desk	1
4 channel stereo speaker unit	Fold back speakers of the main PA and/or alternative input fold back	1
Riedel communications and paging system	Venue communications master station that also handles the back of house paging.	1
Cue Light System by Leon Audio	16ch cue light master station	1
Illuminated Clock	24 hr time clock with hours, minutes & seconds	1
Countdown/up timers	Countdown and count up timers for stage managers to time productions	2

The SMD has storage under the desk flap as well as a lockable cupboard under the desk unit.

Talkback / Communications

16 x Riedel Performer wired dual channel communications belt packs are available for use in the Riverside Theatre. The system has 4 individual communications loops (Show, AX, LX, and MX) and outlets throughout the venue can be configured to work on the following setups:

Channel A	Channel B
Show	AX
Show	LX
Show	MX

Communications ports are located in the following areas:

Location	Quantity	Location	Quantity
Downstage Prompt Side	2	Downstage OP Side	2
Upstage Prompt Side	1	Upstage Op Side	1
Downstage fly line run	1	Upstage fly line run	1
Bridge 1	1	Bridge 2	1
Bridge 3	1	Orchestra Pit	1
Downstage Prompt Fly Gallery 2	1	Downstage Prompt Fly Gallery 2	1
Box Boom Prompt Side	2	Box Boom OP Side	1
Dome Room	1	Audio Position	2
Lighting Control Room	2	Loading Grid	1

Wireless Communications systems can be hired in at an additional cost. Please discuss these requirements with the Technical Coordinators.

Video Relay

Live video feed of the stage is available in each dressing room as well as in the Green room. The stage manager's desk also receives a direct night and day video feed of the stage with no visible delay.

Audio Relay and Paging

A live audio feed of the auditorium is available in all dressing rooms, Green room and the back corridor of the theatre. Paging is also available via the Riedel interface in the stage manager's desk and can be programmed to feed dressing rooms, Green room, Sub stage or the back corridor of the theatre.

Cue Light System

Leon Audio 16 channel master station (QLM16 Mk4)

10 x Outstations (8 QLS Mk4 + 2 QLS-SM Mk4). These outstations are shared between venues and are subject to availability and hire fees. Please discuss your requirements with the Technical Coordinators.

Patching for the outstations are located throughout the venue including all four corners of the stage, orchestra pit, sub stage, bridges, fly gallery's, box booms, dome room, lighting control room and audio operations position. There are no outlets in dressing rooms.

BACKSTAGE FACILITIES

Dressing rooms

The Riverside Theatre has 4 x dressing rooms allocated as standard. All dressing rooms contain air-conditioning and toilet facilities. Additional dressing rooms can be requested but are strictly subject to availability with other venues in use. If you require further dressing rooms, please contact the Technical Coordinators.

Room	Capacity	Location
Dressing Room 1	40 children or 25 adults	Ground (Stage) Level
Dressing Room 2	40 children or 25 adults	Ground (Stage) Level
Dressing Room 3	30 children or 20 adults	Level 1 (1 level above stage)
Dressing Room 4	10 children or 5 adults	Level 1 (1 level above stage)

Production Office & Sub stage

In addition to the dressing rooms the Production office and Sub stage space are available for request and are also subject to availability. Please note: These rooms do not contain toilets, showers or air-conditioning.

Room	Capacity	Location
Production Office	10 children or 6 adults	Ground (Stage) Level
Sub stage	50 children or 30 adults	Sub stage (1 level below stage)

Cleaning

Any additional cleaning resulting from a production may be chargeable to the visiting company / hirer.

Green Room

The Green room is a shared space for the whole venue. Facilities include tea and coffee making facilities, hot/cold water, fridge, microwave, and kitchenette facilities. Clients cannot use this space as a change area. Green room furniture cannot be moved and additional fees will be charged for staff to rearrange the furniture back to standard, multiple times if necessary. If furniture is required to be altered, written permission can be applied for to the Riverside Operations Manager.

Stage Door & Carpark

The Riverside Stage Door and client carpark is located on the corner of Market and Marsden streets. All performers, crew and must enter and exit via Stage Door in order to be signed in or out for the OH&S requirements of the venue. The stage door and carpark access is only manned during event access times. The Riverside has 6 onsite complimentary car parking spots for use of the hirer / visiting production company. Parking information (Driver's name and car/truck registration plate) must be given to the Technical Duty Supervisor prior to access to the carpark.

Laundry

A Laundry is available on ground level and includes 2 x 20amp Industrial washing machines, 2 x 20amp Industrial dryers, 1 Ironing board, 1 Iron and 1 steamer. This area is a shared space for all venues and equipment may be subject to availability. This room cannot be used as a change area under any circumstances.

Wi-Fi / Internet

Wi-Fi and the Internet is available for clients that requires a password. Ask your Technician for this information when onsite.

THEATRICAL ELEMENTS

Music and Performance Permits

Hirers and visiting production companies are responsible to obtain their own appropriate permits of the usage of all music, video and scenery elements. For further information, please visit:

Phonographic Performance Company of Australia LTD (PPCA) – www.pcca.com.au

Australasian Performing Rights Association Limited & Australasian Mechanical Copyright Owners Society Limited (APRA AMCOS) – www.apraamcos.com.au

Plans Submission

The following plans are required to be submitted to Riverside Theatres 4 weeks prior to the bump-in of any production unless otherwise negotiated with the Technical Coordinators:

- Stage plans including set diagrams
- Fly hanging plot application form for any standard fly movements as well as any additional scenery items requiring to be flown. Weight loadings should be included for additional flown scenery items.
- Lighting requirements and a Lighting Plan with corresponding gel cut list
- Audio requirements
- Vision requirements
- Risk Assessments

The final build/install into the theatre space must comply with NSW legislation and is the responsibility of the visiting company / hirer. Further approval may be required by engineers, local council or other authorities and is the responsibility of the visiting company / hirer to organise at their own expense.

Set Construction

- All sets onsite must comply with Temporary Structure requirements under the BCA classification for Class 9B buildings.
- All scenery items are required to be treated with fire retardant.
- Double storey sets are required to comply with current statutory requirements. Visiting Companies / Hirers must submit to Riverside Theatres any scaled drawings showing the plan and elevation views. All plans must include a sign off by a qualified structural engineer.
- **Please note:** Riverside Theatre main stage has a non-negotiable no-build zone under the path of the safety fire curtain.
- A wastage fee will be passed onto any hirer / visiting production company that leaves any unauthorised set onsite at the conclusion of their bump out.

Animals

- Visiting production companies and hirers must obtain prior approval to bring an animal onsite and submit a Risk Assessment and be granted approval prior to the animal coming onsite.
- The Risk Assessment should cover what the animal's requirements are in the performance, where it is kept, feeding/watering, disposal of waste, handler details and emergency planning.
- Any animals brought onsite must have a current certificate of health assessment from a Veterinarian as well as evidence of appropriate vaccinations no later than 2 weeks prior to the last performance date.

Balloons

- Helium Balloons are permitted only with prior approval. The cost of removing any balloons suspended or trapped in the ceiling shall be passed onto the visiting production company / hirer.
- A stage balloon drop effect can be requested to the Technical Duty Supervisor and the supply and blowing up of any balloons to be dropped is the responsibility of the hirer / visiting production company.

Firearms and Weapons

- Firearms and weapons must ONLY be used and secured by someone who holds a Theatrical Armourer's Dealers Licence (Firearms Amendment Act 2008) and Commissioner's Permit issued by the NSW Police.
- Firearms, replicas and weapons must be used and secured in accordance with the NSW legislation and regulations.
- Riverside has 1 x approved gun/rifle cabinet onsite for storage of weapons. If a large number of theatrical weapons are used, then the visiting company/hirer will need to provide their own approved gun cabinet that can be fixed down so it cannot be removed while visiting. E.g. chained and padlocked down.
- Live ammunition is never permitted.

Naked Flames & Heating Sources

- Naked Flames such as candles, LPG, flame gel, and smoking as well as heating elements like electric fire places, ovens and hotplates require prior approval from the venue's Technical Duty Supervisor and Operations Manager.
- For approval of the use of naked flames and heating sources on stage, a Risk Assessment must be submitted by the hirer / visiting production company and approved by the Operations Manager prior to any element being used.
- Naked flames are only permitted on stage and no other area of the venue (auditorium, foyer, courtyard, dressing rooms etc).
- A venue fire warden or an external agency fire warden will be dedicated to the area of the theatrical effect as well as any isolated areas to respond in case of emergency. This is at the expense of the visiting production company / hirer.
- Precautions must be taken in the venue to prevent naked flames and heating elements from setting off fire alarms. Any additional costs required to prevent false alarms from occurring is the responsibility of the hirer or touring production company. The hirer and/or touring production company will be responsible for any false alarms that result in a fire brigade call out fee.
- Combustible materials such as hay/straw is not permitted on site at any time.
- Limited storage of LPG gas bottles may be accommodated with prior notice. Please discuss your requirements with the Venue Technician.

RISK MANAGEMENT

Risk Assessments

A comprehensive Risk Assessment specific to Riverside Theatres is required and must be given at least 4 weeks prior to the bump-in day. Risk Assessments should cover all areas of the production including bump in, performance, bump out and tech rehearsals.

Safe Work Method Statements (SWMS)

- Activities within your production that may be deemed to have a medium to high risk component may be required to submit a Safe Work Method Statement (SWMS) to the venue prior to bump-in and the activity being permitted by the venue. The SWMS should cover pre-safety checks, operating procedures, equipment required and any PPE that may be applicable.
- All staff are required to be trained and competent in the tasks required of them in the workplace.

Equipment - General

- All equipment brought onsite may be subject to safety checks by Riverside staff.
- Operating Manuals should be made available upon request.
- All mains-connected electrical equipment requires a current compliance test tag.
- Approved drapes / cloths must be made with fire retardant material or treated with approved fire retardant. Scenery and large props must be made with fire retardant material or treated with an approved fire retardant. A certificate must be produced upon request.
- Hay/Straw is not permitted at any time within the venue.

Fatigue

- Riverside Theatres staff are required by contract to have a minimum 30 minute break every 4.5 hours. Your schedule should allow for all persons involved in the production (talent, workers, volunteers, staff etc) to have adequate and appropriate breaks. In the event that all technicians are on a break at once, the stage and auditorium will be placed into a locked down state meaning all external performers & crew will need to vacate the stage and auditorium areas and can remain onsite in the dressing rooms and green room.
- A typical production schedule:

○ 9.00am to 1.00pm	Bump in and focus standard lighting rig
○ 1.00pm to 1.30pm	Lunch Break
○ 1.30pm to 5.30pm	Technical Rehearsal
○ 5.30pm to 6.30pm	Dinner Break
○ 6.30pm	Prepare for performance
○ 7.30pm	Performance commences

Hazardous Chemicals

- Hazardous Chemicals including but not limited to flammable liquids, acids, gases and solvents, must not be brought into the venue without prior approval and a management plan submitted within a Risk Assessment.
- Storage of all hazardous chemicals is the responsibility of the visiting company / hirer and should be stored in accordance with the requirements set out on the Material Safety Data Sheet (MSDS). A copy must be provided to the Theatre at least 4 weeks prior to the bump-in of your production.

- It is the responsibility of the visiting company / hirer to remove all chemicals offsite for disposal at an appropriate waste management facility. Visiting companies / hirers must take all care to ensure no chemicals enter the water or waste system of Riverside Theatres.
- A wastage fee will be passed onto any hirer / visiting production company that leaves any unauthorised chemicals / paint onsite at the conclusion of their bump out.

High Risk Work Licences

Any persons performing HIGH RISK work onsite where a licence is required to be held must be sited by Riverside Theatres staff and a copy submitted to the venue's operation's manager. Workers must also carry their licences on them and be able to produce them on request.

Height Safety

- Visiting production companies / hirers must ensure that work is carried out in such a way that eliminates or controls the risk of injury from a fall from height.
- The Risk Assessment should address all instances of risk of falling due to height work and set out control measures. Control measures may include fall prevention device (e.g. railing) fall arrest system, work platform, training and/or Safe Work Method Statements.
- If a fall arrest system is used emergency procedures must be established that outline the rescue procedures. Rescue procedures must be tested to ensure they are effective. Any staff involved in the use of the fall arrest system or the emergency procedures must undergo training and instruction.

Manual Handling

- Visiting companies / hirers should ensure risk of injury or incident from manual handling tasks are managed through the Risk Assessment and your workers have received correct instruction on manual handling.
- Where possible we encourage the use of mechanical lifting aids, team lifting, weight labelling, storage at appropriate height and wearing PPE as required.

Personal Protective Equipment (PPE)

- Riverside Theatres requires all workers in the theatre to wear work boots during bump in and out, during set assembly and carrying or transporting equipment / scenery / structure.
- Your Risk Assessment should determine any other requirements for PPE specific to your production. Supply of any required PPE to your workers is the responsibility of the visiting company / hirer.

WORKPLACE HEALTH AND SAFETY

Induction & Toolbox Talk

- All productions are required to complete a site specific induction. The Riverside duty technician will run the site specific induction with the principal client contact onsite as well as with whomever else the principal client contact wishes to participate in the induction. It is then the responsibility of the visiting production company / hirer to ensure that all persons within their duty of care receive the appropriate information pertaining to their onsite responsibility.
- At the start of each shift all staff should attend a 'toolbox talk' briefing with venue staff to discuss the risks of the day.

Evacuation

In case of evacuation all cast and crew must follow the instruction of Riverside Theatres staff to leave the building directly via the nearest emergency exit. Assembly point will be given to you by the Duty Technician as part of your site induction.

Show Stop Procedure

If a performance must be stopped the Production's Stage Manager shall stop the show when instructed by venue staff and introduce the Duty Technician who will conduct the evacuation.

First aid

First Aid Boxes are available in various locations within the Theatre. The duty technician will induct you on the locations of these during your site induction.

Incident / Hazard Notification

Any accidents, incidents, near misses or potential hazards must be reported to venue staff as soon as possible. An Incident Form will need to be completed in line with the City of Parramatta Council's Reporting Procedures.

Fire Extinguishers

- If a fire is detected, please notify venue staff immediately.
- Fire extinguishers, fire hose reels and emergency exits must not be blocked or interfered with at any time under NSW Legislation.

Fire Wardens

- Riverside Theatres staff are wardens in the case of emergencies. In some instances, the client will be required to assist with a site evacuation and will receive the appropriate briefing from venue staff.

LEGAL DISCLAIMER

- Information contained in this document is a guide only containing general information. Each production should consider individual circumstances and obtain your own advice on risk management, legal and contractual obligations.
- For further information, you should refer to your Hire Agreement, Hire Information Guide, Agreement or any other contract concerning your use of Riverside Theatres.
- Riverside Theatres makes every effort to ensure that the information contained in this document is correct at the time of publishing.
- Information about legislation, regulation or other legal requirements is provided in summary form and you should refer to the source document for more comprehensive understanding of the requirements and to check if there have been any changes.