THE EMPIRE

ARMITAGE CENTRE
HERITAGE BANK AUDITORIUM

Toowoomba

TECHNICAL SPECIFICATIONS

Updated
June 2023

VENUE

Ticketing:	1300 655 299
Phone:	07 4698 9900
Website:	www.empiretheatre.com.au

OPERATIONS & TECHNICAL SERVICES MANAGER — **Tim Panitz**

Mobile	0419 736 337
Phone Number	07 4698 9910

PRODUCTION SUPPORT OFFICER — **Michaela Francis**

Phone Number	07 4698 9920
Email Address	michaela@empiretheatre.com.au

*Additional contacts on page 13

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Heritage Bank Auditorium

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STAGE

BRIEF STAGE DESCRIPTION:

Black box venue with a retractable seating bank on one end.
Entire performance space covered by sprung floor surface.

Stage distributed load limit	500kg.m² (5.0 kPa)
Stage point load limit	450kg (4.5 kN)
Stage rake	No

STAGE DIMENSIONS:

Distance   (*CL = Centre Line*)

Total width of room (wall to wall)	19500mm
Total length of room (wall to wall)	22500mm
CL to OP wall	9850mm
CL to PS wall	9850mm
CL to legs	6000mm
Stage to underside of mesh grid	7050mm

Performance Space	5mtr (or 7mtr) x 12mtr
Overhead obstructions	Cable Net Mesh Grid

AUDITORIUM:

Auditorium consists of retractable seating bank

Seating capacity seating bank only	291
--- with additional floor rows	351
Venue Capacity --- Standing	575

RIGGING FACILITIES:

Rigging System Details

6 Steel I-Beam at 3m intervals running the length of the room.

500kg SWL per 3m section

All House production is rigged from these steels.

Dedicated 1 Tonne rigging points	4
Stage Level Tie-Down Points Available	4

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DRAPERY:

*Additional drapery for Armitage Centre Auditorium

Type	Material	Colour	Width	Height	Quantity
House Curtain	Velour	Blue	Full	Full	2
Legs	Wool	Black	4m	Full	4 pair
Cyclorama	Filled Cloth	White	16m	6.5m	1
F/A rear TAB	Velour	Black	16m(Pair)	Full	1

ACCESS EQUIPMENT:

Cable Net Mesh Grid

Cable Net Mesh Grid provides personnel access overhead of the entire room. This provides access to all lighting positions and access to overhead rigging.

Elevated Work Platform

Dingli MVP100E vertical lift push around - Maximum reach is **10mtr**

Ladders

1 Bailey A frame 1.8mtr (fibreglass)
1 Bailey A frame 2.4mtr (fibreglass)
2 Bailey A frame 3.6mtr (fibreglass)

STAGING UNITS:

Pro-Stage decks (2000*1000mm)
Various leg lengths 200mm-1200mm to suit Pro-Stage
Sico staging decks (2400x1800) @ 400mm or 600mm

LOADING DOCK:

Access - Truck access via the rear car park of Julia Street
Truck able to back up to loading dock doors
Truck Wheels at stage level
Door Dimensions   **4m** High   **4m** Wide

STAGING NOTES:

All flown items must be rigged with rated equipment.

Legs can be hung in many different configurations, contact Technical Department to discuss requirements.

Crossover is created by the rear TAB. If the rear TAB is open there is <u>NO</u> back of house crossover.

ADDITIONAL RIGGING EQUIPMENT

Various rigging equipment available from the Theatre's stock. Please refer to Main Auditorium Specifications for listed equipment or contact the Technical Department.

LIGHTING

POSITIONS:

Stage LX Bars   19 x JANDS JLX Pro Bars movable +/- 1300mm

Each lighting bar has six available circuits back to local patch bay and dimming is 1:1.

See Lighting Plan for standard LX bar locations

CONTROL:

Lighting desk	**GrandMA 2 onPC with Command & Fader wing**
Control parameters	**4096**
Signal output	**DMX and Ethernet**
Signal distribution	**Various points throughout the venue**
Remote riggers available onstage	**Yes**

GrandMA 2 Control System includes a GrandMA Network Signal Processor (NSP), Network Nodes and multiple PC's operating in a networked environment for system redundancy.
Please contact the Head of Lighting to check current software versions.

DMX UNIVERSE ALLOCATION:

Universe 1:   Conventional, Moving Light and Atmospherics
(*446 parameters standard*)

Universe 2:   Spare

Universe 3:   Spare

Universe 4:   Spare

Other DMX and eDMX universes in use as required. House DMX Universes can be merged for touring operations as required with prior discussion with the Technical Department. Patch sheets for Standard Rig available on request.

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DIMMER RACKS:

Total Dimmers	120 dimmer channels standard rig
Dimmer Locations	Grid level – Centralised Dimming
2.4Kw Dimmer Racks	10 x Jands HPC12-AZ100R
Total dimmers @ 2.4kw per dimmer	120 (Dimmed/Switched/Hot)

HOUSE LIGHTS:

DMX control	Yes
Control positions	Control room, Prompt side of stage
Colour Adjustable	Yes
Unit type	Lumascape Incandair 30

STAGE LUMINAIRES:

PROFILE

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	SPX	14°		800	**4**
Selecon	SPX	15°-35°		800	**12**
Selecon	SPX	25°-50°		800	**10**
ETC	Source 4	19°		750	**4**
ETC	Source 4	36°		750	**4**

FRESNEL

Make	Model	Detail / Accessories	Watt	Total
Selecon	Arena Fresnel	Barndoors to suit	2000	**12**

MOVING LIGHT   (* in Totals indicate that units are at an additional cost)

Make	Model	Control Channel	Detail / Accessories	Watt	Total
Martin	TW1	20	Tungsten Wash	1219	4
Clay Paky	ALedA	20	K20 Wash CC	660	4
Clay Paky	Alpha Profile 700	41	Profile with shutters	700	4*

FOLLOWSPOT

Make	Model	Angle	Detail / Accessories	Watt	Total
Robert Juliat	Korrigan	Long-throw	6 colour magazine	1200	2

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ADDITIONAL LIGHTING: Depending on Availability

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Item	Make	Model	Detail / Accessories	Watt	Total
Lamp	ETC	Source 4 par	VNSP, NSP, MFL, WFL lenses available	750	24
Lamp	ETC	Source 4 Profile	19°,26°and 36° available	750	
Lamp	Selecon	SPX	50°		8
Lamp	Martin	Atomic 3000	DMX controlled strobe	1500	2
Lamp		UV flood		400	4
Hazer	MDG	Atme	MDG Atme Atmos.		2*
Hazer	Unique	II	DMX controlled		2*
Hazer	MartinJEM	Ready 365	CO2 Haze		1*
Moving light	Martin	TW1 80V	Tungsten Wash	1219	8
Moving light	Martin	Mac500	17° Profile	575	4*
Moving light	Martin	Quantum Profile	LED Profile	565	8*
Moving light	Clay Paky	ALedA	K20 Wash CC	660	12
Moving light	Ayrton	Ghibli	LED Profile with shutters	900	6*
Smoke	HighEnd	FQ100	DMX controlled		2*
Mirror balls			36",24"		2
Boom stands					
H stands					16
Telescopic stands					6
Boom Trolley			Lamp Heights in mm (250/750/1250/1750)		10
CYC Lights	Dalis	860			20
LED Par	ACME	12FC	RGBW Led Par		10
Battery LED Par	TourPro	Rebel Par	RGBW Zoom Led Par		12
antFX	NEXGEN	TX/RX	CRMX Wireless DMX		4
LumenDim4	Rc4 Wireless	M4	4 channel		1
LumenDim6	Rc4 Wireless	Dim6	6 channel high power		1

Additional equipment may be available, refer to Tech Manager.

PATCHING

Patching is located at Level 3 (Grid Level) with dimmer racks. All circuits have a dimmer patched as 1:1.

POWER:

3 Phase Outlets	40 Amp
Stage	2 @ Upstage Prompt (One on Technical Earth for Audio), 1 @ Upstage Opposite Prompt
Grid	10 @ Prompt on Level 3 (Grid Level) next to patch bay
Dock	1 @ Eastern wall

Hardwire

200 Amp Feed Available by negotiation. *Refer Tech Manager*

CABLING:

240v Extension Cable

The theatre has a good stock of 240v leads & power boards of various lengths

Looms

4 way Wielands - Various lengths

3 phase Extensions

40 amp Extensions - Various lengths

LIGHTING NOTES:

Additional equipment available, refer to Tech Manager

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AUDIO

CONTROL POSITIONS

Control Room — **Dedicated position in the Control Room located behind the Seating Bank**

Other — *Refer to Tech Manager*

CONTROL

Primary Console — **1 x Allen & Heath C3500 24 Fader Surface**
Inc DM0 DSP with Dante

I/O Boxes — **2 x DX168** (16in, 8out) 1 x C/Room patch, 1 x Stage Drop Box
Additional available as required.

EQ — **Onboard Console**

FX — **Onboard Console**

Dynamics — **Onboard Console**

SPEAKERS & AMPLIFICATION

FOH Speakers
D&B Y series, Left, Right and Centre configuration driven with 2 x 30D amps
Left & Right Hang: **1 x Y7, 1 x Y10 and 1 x Y-SUB**
Centre Hang: **1 x Y10**

Foldback
6 sends available as standard
8 x Turbosound TQ315 (15" and Horn). Passive monitors
4 x Crown XLS802D power amplifiers

PLAYBACK
Theatre has a large selection of playback devices at request.

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MICROPHONES:

The Theatre has a large selection of microphones and DI's available, from brands such as Shure, Sennheiser, AKG, Rode, Beyer and Klark Teknik.
Microphones subject to availability.

Please refer to Main Auditorium Specifications for full microphone list.

RADIO MICROPHONE:

12 Channels of Shure ULX-D radio microphones with either Hand Held, Headset or lapel transmitters available as standard. Radio Microphones incur additional cost per channel. Additional radio microphone channels are available on request.

ACCESSORIES:

Selection of K&M microphone stands, Tall Boom, Short Boom and Round Base stands are available.

LINE PATCHING:

Ethercon digital patch throughout the venue via patch bays
An analogue patching system through entire performance area to the main control room central patch, 4in 4out per bay, 6 bays total

CABLING:

Audio Cable
The theatre has a good stock of cable to accommodate the venue's equipment.

POWER:

Green Power System
Technical Earth System to service all installed audio equipment

AUDIO NOTES:

As we have multiple venues additional equipment may be available from our onsite stock, refer to the Tech Manager.

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AUDIO VISUAL

PROJECTION ROOM: None

PROJECTORS: (* in Totals indicate that units are at an additional cost)

Make	Model	Detail / Accessories	Total
Epson	EB-PU2216B	16000 ANSI WUXGA	1*

Epson EB-PU2216B is the house projector for the Armitage Centre and will suit most applications in this space. Other projectors may be available on request.

SCREENS:

Standard Screen: **23' x 13' Front Project**

Sizes **16` x 12` / 12' x 9' / 8' x 6'** Front & Rear projection surfaces
23` x 13` + 26` x 14` Front projection surface only

AV EQUIPMENT:

(Additional Charges for control/playback equipment)

Make	Model	Detail	Total
BlackMagic	ATEM 1 M/E	Digital Production Switcher	1
BlackMagic	ATEM 2 M/E	Digital Production Switcher	1
vMix	vMix PC	PC Based Production Switcher/Playback	1
BlackMagic	Mini Convertors	Selection of SDI, HDMI, Analogue Types	
NOTE: Contact the Technical Department for your individual AV requirements.			

PROJECTOR RIGGING POINTS:

Projector has a mounting assembly, and its standard position is directly upstage of the Front of House truss on centre. The mounting assembly can move as required.

CABLING:

The theatre has a good stock of SDI coaxial, HDMI, VGA and RCA cable to accommodate the venue's equipment.

STREAMING SERVICES:

The theatre has the infrastructure to provide live streaming services of varying levels of delivery. As this is a quickly evolving service it is best to discuss your streaming requirements directly with the technical department.

BACKSTAGE
COMMUNICATIONS:
Talkback
There is a Riedel Bolero wireless comms system in use exclusively across the Empire Theatres precinct. The Armitage Centre has a dedicated five belt packs with headsets for theatre operations. Should additional units be required please discuss with the Technical Department.

Paging / Show relay
There is NO paging to the dressing rooms.
Show relay is distributed to all dressing rooms via the TV's

Stage Monitor
TV's set-up in the foyer, Dockway (Prompt) and dressing rooms
Camera located centre of the Auditorium

DRESSING ROOMS:

Dressing Room	Capacity	Toilets	Shower	Details
Lower floor	8	1 unisex	1	
Upper floor	20	1 unisex	1	

LAUNDRY / WARDROBE: (shared with all venues on site)

Washing Machines	2
Dryers	2
Drying Cupboard	1
Iron / ironing board	2
Clothes racks	6
Steamer	1

PRODUCTION FACILITIES:

Phone	**Yes, advise Tech Manager if required.**
Internet access	**Yes, advise Tech Manager if required.**

GREENROOM: (shared with all venues on-site)

Tea / Coffee facilities	yes
Fridge / Freezer	yes
Microwave	yes
Running water	yes

STAGE DOOR:
Stage Door is located at the side of the building. Access via Julia Street.
Access during the day will be controlled by the Venue Supervisor.

ADDITIONAL FACILITIES & INFORMATION

This specification is the standard for the **Heritage Bank Auditorium,** located in the Armitage Centre of the Empire Theatres precinct.

Additional equipment, not listed here, maybe available from our onsite stock, subject to availability. Please contact the Technical Manager for more information if required.

These items are available depending on availability:

ORCHESTRAL
Yamaha C7 concert grand piano (tuning by prior arrangement)
Yamaha CF III concert grand piano (tuning by prior arrangement)
Yamaha upright piano (tuning by prior arrangement)
Roland RD-700 electric piano
Roland RD-88 electric piano
Kurzweil PC3A8 electric keyboard
PDP EX series 5 piece drum kit
Roland SPD-SX Sampling Pad
40 music stands & sconce lights
40 orchestral chairs

REHEARSAL SPACE
Rehearsal Room #1, 12.5m x 15m, sprung floor. Bookings required for use.

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SENIOR STAFF CONTACTS

Operations & Technical Services Manager   **Tim Panitz**
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Head of Staging   **Rob Darvall**
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VENUE PLANS:

Venue Plans available online here

Precinct Virtual Tour here

Venue 3D Scan here

Site view on the next page.

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VENUE:

Venue Address   **54 Neil Street Toowoomba Qld 4350**

Venue Postal Address   **PO Box 1227 Toowoomba Qld 4350**