

# *Hewitson Theatre at STARplex*

## TECHNICAL SPECIFICATIONS

# **STARplex at Trinity College**

## **Hewitson Theatre and Function Centre**

### **Venue Specifications and standard technical operations**

#### **Venue Management:**

**Theatre and Bookings Coordinator:**

**Nathan Reichstein**

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#### **Centre Management:**

**Reception:**

**STARplex Reception**

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**Website**

**[starplex.com.au/theatre](http://starplex.com.au/theatre)**

# PRODUCTION INFORMATION

## ACCESS TO THE VENUE Backstage

Access to the Venue is via double (fire exit) doors from the side carpark. This carpark allows access through 4 side doors into the auditorium, and offers truck load-in.

From these side doors, there is a 20m push onto the stage, up a 10m large ramp.

Load in (direct to stage level) is available via the backstage dock exit doors.

Early load in is encouraged during hot weather.

## ACCESS TO THE VENUE House

Public (House) access can be through either 2 Front of House doors (located inside the STARplex Centre) or via the 4 side carpark doors. We recommend a combination (using all 6 doors) is used for large shows.

## ROOM MODES

Theatre Mode	- CAPACITY 1,219 seats
Half Theatre Mode	- CAPACITY 893 seats + Bar/Merchandise
Cabaret Mode	- CAPACITY 550 seats (at 55 round tables)
Cocktail Mode	- CAPACITY 1,000 + Bar + Food Service
Hall Mode	- CAPACITY 4,000 (extended into Stadium)

*Please note: The above capacities can be reduced to cater for varied ticket sales / settings by the use of Full Wool upright curtaining*

## FOYER AREAS

STARplex has a main common, which is used as a waiting/foyer area. The main common includes the following:

Café	- For pre and post show food and beverages (non-alcoholic)
Conference Room	- Overlooking the STARplex Common and the Café, seats 30 at tables, 45 in theatre, 55 cocktail
Theatre Foyer	- Corridor leading to the main Front of House Theatre doors
Common	- Seating and waiting space for pre and post show

## CARPARKING

Carparking is located on the North (Greening Drive) and South (Trinity Drive) sides of the Theatre.

The Northern carpark is the main parking and is used for most Theatre Events. The Southern carpark is in use for the whole complex and is generally used as Theatre 'overflow' parking.

## CATERING

Catering for your event, big or small, can be organised through the Theatre Coordinator. Please ensure adequate notice is given for large events (i.e. parties, weddings, etc.).

## ADVERTISING

Advertising spots are available and run on Screens throughout the STARplex complex. Enquires can be made through the Theatre Coordinator.

# AUDITORIUM INFORMATION

## AUDITORIUM SEATING

The Theatre includes a variety of multi-purpose room “modes”, to accommodate these varying modes, we have the following seating available:

- 250x Padded Black and Red Chairs
- 950x non-padded Grey Chairs

In theatre mode, the padded chairs are used in the front-most sections of the auditorium, with the grey chairs filling the remaining sections.

## AUDITORIUM TABLES

To accommodate the various room “modes”, the Theatre has the following:

- 30x 1.8m Round Cabaret Tables
- 20x 1.8m x 0.9m Trestle Tables

## AUDITORIUM LIGHTING

The auditorium is filled with 2 types of lighting. And is accompanied by safety lighting. The Hewitson Theatre Auditorium is capable of a full pitch Blackout by arrangement with the Theatre Coordinator.

- Dimmable Halogen / LED Auditorium House Lighting
- Fluorescent / LED Batten Auditorium Work Lighting
- Dimmable LED-Illuminated Step Tread Lighting
- LED Wall Path Lighting

## AUDITORIUM DRAPERY

- Black 100% Full Woollen Rear Curtain
- Blue Poly/Cotton Mid-Room Curtain

## DANCEFLOOR

The Dancefloor is fitted at the stage-end of the Auditorium, measuring 11.7m in width and 7.25m in depth

## AUDITORIUM DIMENSIONS

Apron to Rear Auditorium Wall: 31m

Rear Side Wall to Side Wall: 32m

Front Side Wall to Side Wall: 24m

## AUDITORIUM TIERS

The tiered style of the auditorium allows the Hewitson Theatre to cater to a multitude of events and offer various layouts.

The Theatre has 4 tiers, each 180mm higher than the one before it. The tiered design allows for cabaret tables or theatre style seating.

## AUDITORIUM BAR

Using the Half Theatre, Cabaret, or Cocktail “Modes”, the Hewitson Theatre Auditorium can easily accommodate a bar area.

The bar is operated by trained and experienced Hewitson Theatre Staff that have appropriate RSA and Responsible Persons qualifications.

# STAGING & DRESSING ROOM

## STAGE DIMENSIONS Mainstage and Apron

The Hewitson Theatre Stage boasts a wide main stage and large wing space.

Main Stage Width: 16.98m

Main Stage Depth: 7.79m

Apron Depth: 2.26m (380mm lower than the main stage)

## STAGE DIMENSIONS Wings

Prompt Side Wing (ramp access from auditorium):

Wing Width (Stage to Side Wall): 8m

Wing Depth: 7.79m

Opposite Prompt Side Wing (stair access to green/dressing room):

Wing Width (Stage to Side Wall): 4m at narrowest point

Wing Depth: 7.79m

## CYCLORAMA WALL

The rear wall, used as a cyclorama for lighting purposes is:

17.08m wide x 5.80m high

## STAGE DRAPERY

- Black 100% Full Wool Fire-Resistant Front-of-House Curtain
- Black 100% Full Wool Fire-Resistant Rear Cyclorama Curtain
- 4x Black Poly/Cotton 3m x 6m Stage Legs

## ADDITIONAL STAGING

The Hewitson Theatre has 18 ProStage Rostra pieces for multipurpose use throughout the stage and auditorium.

The pieces have black skirts to suit and are each 2.44m x 1.22m and give a rise of .38m

Common Use-cases

- Build-out the main stage onto the apron (giving a deeper mainstage)
- Added height for stage bands
- Added height for videography (in the auditorium)

## STAGE EQUIPMENT

- 2x Free-Standing Wooden Lecterns
- 1x Yamaha Electric Amplified Baby Grand Piano
- 1x Kawai Electric Amplified Digital Piano

## GREENROOM

The Hewitson Theatre has a large, downstairs Greenroom space which offers large bench/mirror space. The Greenroom has 1 large offshoot dressing rooms that allows for a separation of change spaces. The Greenroom also has male and female amenities.

## DRESSING ROOMS

There is an additional dressing room, adjacent the Greenroom.  
Approx. 4.5m x 7m

## PROP STORE

An additional room located on Auditorium level is often used as a Prop Store or secondary Greenroom Space.

# TECHNICAL DETAILS

## POWER Supply

The Hewitson Theatre is equipped with a variety of supply power, which can be used for Stage Lighting, additional audio, large supply, etc.

- 5x 40A 3-Ø (3-phase) sockets (in P-side Store)  
(4x Used for Lighting Dimmers)
- 2x 40A 3-Ø (3-phase) sockets (in OP-side Wing)
- 1x 15A socket (in P-side Store)

## POWER Distribution

- 4x LSC i-PAK Dimmers (12 x 2.4k channels)
- 1x Jands FP12-WM Dimmer (12 x 2.4k channels)
- 1x Jands FPX Dimmer (12 x 2.4k channels)
- 1x LSC Delta Distribution Box (12 x 2.4k channels)

## POWER Patch Points

- 48x Permanent Patch Points (on 4x LX Bars)
  - 2x Front of House Bars
  - 2x Stage LX Bars
- 30x Temporary Patch Points (on stage)
  - 1x Upstage Lighting Truss
  - Used for specials

## COMMUNICATION Talkback

The Hewitson Theatre is fitted with a Creative Audio ConcertCom Talkback System, with the following specifications:

- 2x Wall Packs (1x Greenroom, 1x Front of House)
- 5x Belt Packs (3x Bio box, 1x P Wing, 1x OP Wing)  
With the ability to be altered and run anywhere in the auditorium

## VIDEO / DATA Audio Visual

STARplex Hewitson Theatre uses the HDMI standard for all audio visual requirements.

The Theatre's visual and projection systems are made up of the following:

- 2x Projector Screens – 1 each side of the stage, 3.5m across
- 2x EPSON EMP8300 – 5000 lumens, 1920x1080 pixels video projectors
- 2x Samsung LCD Monitors (for backstage vision)
- 1x HDMI Input Switcher (with 9x inputs, 2x outputs)
- 1x Laser HD008 DVD Player
- 1x AWA HD Set top Box
- 1x Lenovo ThinkCentre Desktop PC with Dual Monitors (Windows 10)

# STAGE LIGHTING CONTROL

The Hewitson Theatre offers a wide range of different conventional and intelligent lighting systems.

The system is controlled by a main lighting desk.

- 1x Chamsys MagicQ MQ70 Lighting Control Console  
plus external Touchscreen Control Display
- 1x Event Lighting SPLIT228RDM DMX Splitter  
(2x 5-pin inputs, 8x optically isolated 5-pin outputs)  
For DMX runs to:  
Dimmers; Front of House LED; Stage LED; Wireless DMX."  
3x Output remain unused as standard to scale for touring / large  
venue build events

## INTELLIGENT LIGHTING

2x	Event Lighting M1S190W 190W LED Moving Head Spot
6x	ShowPro LED EProfiles FC RGBAL (with 15-30° lens)
6x	LEDPro101 LED Profiles RGBW (with 15-30° lens)
20x	Event Lighting 12x12 LED Quad Pars
6x	Event Lighting 5x8 LED Pars

## CONVENTIONAL Profile Lights

4x	750w	Dortron 15-30° Profile Spots
8x	575/750w	Dortron 15-30° Profile Spots
4x	1k	Prolite PR10PC Profile Spots
4x	650w	Strand Prelude 22°-40° Profile Spots
8x	500w	Strand P-23 Profile Spots
1x	500w	Strand P-23N Profile Spot
2x	650w	Prolite PR7MT 15°/25° Profile Spots
2x	650w	Prolite PR7MWT 22°/44° Profile Spots
1x	650w	Selecon Acclaim 22°-44° Profile Spot

## CONVENTIONAL Wash Lights

10x	1k/1.2k	Prolite PR10F Fresnels (with Barn doors)
12x	575w	Dortron Multipars (with Barn doors)
4x	1.2k	FAL Fresnels (with Barn doors)
4x	650w	Acme Fresnels (with Barn doors)
4x		MFL Par64 Cans (120v)
4x		Acme Par56 Cans (240v)

## CONVENTIONAL Misc.

4x	1k	Prolite Cyclorama Units (RGBA)
2x	500w	Aust Flood Lights
2x		Geni Mojo Colour Changers
1x	24"	Mirror Ball + Motor

## STANDARD RIG

Cyclorama:	4 colour wash (RGBA)
Stage:	LED Colour Wash (RGBA-W-UV) Full Conventional Upstage Wash Full Conventional Midstage Wash
Front of House:	LED Downstage Colour Wash (RGBA-W-UV) Full Conventional Downstage Wash 6 LED Profile Spots on Apron (RGB-W)

Specials are available on request with advanced notice  
Mirror ball available on request with advanced notice

THE LIGHTING RIG IS TO BE RETURNED TO STANDARD AT THE COMPLETION OF AN  
EVENT, AT THE HIRER'S COST

# AUDIO SYSTEM

## CONTROL

Our audio systems at the Hewitson Theatre are fully modern, and digital systems.

- 1x Allen&Heath iLive-176 Digital Audio Console
- 2x EAW UX8800 Digital Processors
- 1x ART 418 8-channel Line Mixer

## PATCHING

- 1x Allen&Heath iDR-64 Mix Engine (64-in by 32-out patch)
- 1x 15m 12-channel Multicore Stage Box
- 1x 50m 28-channel in, 4-channel out Multicore Stage Box

## POWER & AMPS

- 1x Powersoft DIGAM LQ2804 Digital Amp
- 2x Powersoft DIGAM LD3004 Digital Amp
- 1x Powersoft DIGAM LD1404 Digital Amp
- 1x Powersoft DIGAM Q4004 Digital Amp
- 1x Ebony LD200 Hearing Loop Driver

## SPEAKERS Front of House

- 2x Meyer ULTRA-X40 Front of House Active Loudspeakers
- 2x EAW AX296 Delay Speakers
- 2x DAS Sub218 1000w Sub-bass Speakers

## SPEAKERS Foldback

- 2x EAW VR21 Speakers (Stage Side fill)
- 6x EAW VRM12 12" Passive Foldback Wedges
- 4x DAS PF012 15" Passive Foldback Wedges

## CABLING

- 1x 1m Neutrik Speakon Cable
- 1x 3m Neutrik Speakon Cable
- 1x 5m Neutrik Speakon Cable
- 2x 9m Neutrik Speakon Cable
- 3x 10m Neutrik Speakon Cable
- 2x 12m Neutrik Speakon Cable

Assorted 3-pin XLR Cabling

## DIRECT INPUT BOXES

- 1x Countryman Type 85 Box
- 5x Behringer DI100 Boxes
- 4x Behringer DI120 Twin Boxes
- 1x Leem Box

NB: Guitar/Instrument Patch cables must be supplied by the hirer.



# AUDIO SYSTEM CONT.

## MICROPHONES Wireless

STARplex offers a variety of different microphones, both wireless and wired

- 8x Audix R42 OM5 UHF Handheld Mics
- 7x Audio-Technica System 10 2.4GHz Handheld Mics

## MICROPHONES Lectern / Podium Mics

- 1x Audio-Technica U857QL Lectern Mic
- 1x Audix ADX218 Lectern Mic

## MICROPHONES Dynamic Mics

- 2x Audix OM3 Dynamic Vocal Mics
- 1x Audix OM5 Dynamic Vocal Mic
- 1x Audix D6 Dynamic Kick-drum Mic
- 2x Audix i5 Dynamic Mics
- 2x Audix D2 Dynamic Instrument Mics
- 1x Audix D4 Dynamic Instrument Mic
- 3x Shure SM58 Dynamic Vocal Mics
- 2x Shure SM57 Dynamic Vocal Mics
- 2x Shure Prologue Dynamic Vocal Mics
- 2x Behringer XM-1800 Dynamic Vocal Mics
- 1x JTS NX-2 Dynamic Bass Instrument Mic
- 1x JTS PDM-57 Dynamic Instrument Mic

## MICROPHONES Condenser Mics

- 8x ISK CM-20C Condenser Mics
- 8x Audix F15 Condenser Mics
- 3x Shure 16A Condenser Mics
- 4x JTS CX-505 Percussion Condenser Mics
- 2x Rode M3 Condenser Mics

## MICROPHONES Overhead Mics

- 3x Audix ADX40 Overhead Condenser Mics

THE AUDIO PATCH IS TO BE RETURNED TO STANDARD AT THE COMPLETION OF AN  
EVENT, AT THE HIRER'S COST