

**GEORGE
WOOD**

PERFORMING
ARTS CENTRE

TECHNICAL SPECIFICATIONS

2025 v6

Document History

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General Information

This **Technical Specifications** document is a summary of the venue information and equipment available for hire. The terms and conditions of hire can be found in the **Venue Hire Agreement**. If you have any further queries or would like to make a booking at George Wood Performing Arts Centre, please contact us using the details below.

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Venue Access

Hirers accessing the Venue are required to enter via Stage Door, located at the loading dock on the north side of the building.

Audience members accessing the Venue are permitted to enter only via the front of house entrances.

Loading Dock

Deliveries for front of house is via the main foyer entrance, south side of the venue.
Deliveries for stage / scenery / props is via the north of the venue.

Flat stage loading is unavailable. Trucks with tailgate are recommended.
No parking is permitted in the loading dock drive.

Roller Door Height 4200mm
Roller Door Width 1700mm

From mid 2025 new loading dock facilities will be available, including a dedicated access drive and truck parking spaces.

Front of House

Entrances

During construction works, there is one public entrance located on the north side of the Venue. This front of house entrance opens to a large outdoor space. The entrance foyer contains:

- Male, female and accessible toilets
- Screens (stage feed or graphics display) and stage feed audio
- Staircases to Balcony auditorium doors

Main Entrance	Area	North Entrance	Area
Door 1	Stalls	Door 2	Stalls
Door 3	Balcony	Door 4	Balcony

Foyer Space

The foyer spaces connect to all auditorium doors and features a catering space where the Venue's licensed catering company operates. This space contains:

- Kiosk / Bar
- Tables, chairs and display boards
- Screens (stage feed or graphics display) and discrete audio feeds
- Box Office and Reception (mid 2025)

Auditorium Seating

The Stalls (ground level) are divided into two sections: the Front Stalls consists of 12 rows (A-M); the Rear Stalls consist of 5 rows (N-S). The Balcony (level 1) consists of 7 rows (AA-GG).

Seating Capacities

Area	Capacity
Stalls	651
Front Stalls	432
Rear Stalls	219
Balcony	244
Total Capacity	895

Other	Seats
*Wheelchair Accessible Spaces	6
Usher Seating	4

House Seating

The Venue retains 10 house seats for its exclusive use for all events. These seats are N35-N44 inclusive.

Technical Control Positions

Position	Seats	Seat Numbers
Standard Control Room	Nil	Nil
*Centre Stalls	9	N18-26

***NOTE**

- The Centre Stalls Control Position is not standard and will incur an additional charge to adjust the seating configuration. Please contact Eticks for assistance with ticketing when this position is used.

Reverse Stage

Enables up to 120 seats to be placed on the upstage choir risers and the performance to be arranged in the opposite direction to normal.

Ticketing

All auditorium seating carries discrete numbering for ticketing purposes. All tickets are sold directly via the Venue's licensed ticketing agency, Eticks.

Stage Details and Equipment

Stage Surface

The stage is unraked with a matte spotted gum timber surface as standard.

Surface	Suitable for
Standard (Timber)	Concerts, presentations, lectures
*Black MDF	Dance, musical theatre

***NOTE**

- The Black MDF Floor is not standard and incurs an additional charge outlined in the Schedule of Fees. This is compulsory when tap shoes are used.
- The stage surface is non-sacrificial, and it is not permitted to screw into, cut, build upon, permanently mark or impair in any way.
- Only tape supplied or approved by Venue Management shall be used on the stage surface.

Stage Dimensions

Proscenium height	6.7m
Proscenium width.....	15.8m
Stage to upper fly limit.....	9.8m
Stage width (with wings)	12m
Stage width (without wings)	18.7m
Stage depth (with cyclorama).....	10m
Stage depth (without cyclorama).....	10.5m

Stage Loading

MAIN STAGE:

Maximum Uniform Distributed Load	7.5kPa (750kg/m ²)
Maximum Point Load	4.5kN (450kg)

ORCHESTRA PIT:

Maximum Uniform Distributed Load	5kPa (500kg/m ²)
Maximum Point Load	4.5kN (450kg)

Moveable Wall

If the stage is used without masking (wings), the moveable wall can be used to partition the set assembly/storage space, and the stage, for no additional charge.

Drapery & Cloths

Drape	Qty	W (m)	H (m)	Fullness	Colour	Material
Drop Curtain	1	17	5	80%	Red	Velvet
Valance	1	16	2	80%	Red	Velvet
Curtain 1	1	16	7.28	80%	Red	Velvet
Curtain 2	1	16	6.67	80%	Black	Wool
Curtain 3	1	16	6.67	80%	Black	Wool
Legs	4 pairs	6.5	3	0%	Black	Wool
Borders	4	16	2	0%	Black	Wool
Tab Track	1	15	6.5	80%	Black	Wool
Cyclorama	1	14	4.8	-	White	Filled Cloth
*Cyclorama	1	14	4.8	-	White	Nessel
*Scrim	1	14	4.8	-	White	Sharkstooth
*Scrim	1	10	6	-	White	Sharkstooth
*Scrim	1	14	4.8	-	Black	Sharkstooth

***NOTE**

- Cloths marked * are not rigged as standard and incur an additional charge.
- A variety of other masking legs and borders are available.

Risers

- Fixed rear stage risers
- Rolling choir risers (6)
- Timber stage risers (8)
- Stage decks / megadeck in various sizes available upon request

Orchestral Equipment

Equipment	Qty
Orchestral Chairs	96
Choral/Presenter Chairs	200
Music Stands	40
Sconce Lights	20
Double Bass Stools	4
Conductor's Podium	1
Conductor's Music Stand	1

Musical Instruments

Instrument	Qty
*Yamaha C7 Grand Piano	1
*Yamaha Clavinova CVP-805	1
*Orchestral Timpani	4
*Drum Kit	1

***NOTE**

- Instruments marked * incur an additional charge.

Rigging & Stage Machinery

Motorised Curtain System

The Venue's Curtain System is comprised of 3 individually controlled motorised curtains. Curtain 1 acts as a house curtain, Curtain 2 divides the stage in two, and Curtain 3 covers the upstage fixed choir risers.

Total No. of Tracks 3
Controller Wall Control Units
Operating Position Curtain Well Prompt Side or Control Room
Motors ECD35 (x3)

Fly System

The venue does not have a full height fly tower or flying facilities. Note the limited drift / travel available. As such, any backdrops should be static. Dimensions of flown props and scenery should be checked.

The rigging system is an HME KTA Automated System. It is comprised of 19 lines which can be used to rig backdrops or other scenic elements. The layout of bars can be found in the Hanging Plot.

Controller KTA Micro Pendant
Operating Position Curtain Well Prompt Side or OP Wing

Number of bars 19
Bar type RHS 50mm x 75mm
Bar length 15.5m (LX5 is 12m)
Bar spacing Varied
Number of pickups 5
Hoists EDH180F (x1), EPH300 (x6), EPH500 (x5), EDH500 (x7)

***NOTE**

- o Operation of the motorised rigging system is by authorised Venue Staff only.
- o Venue Management must approve backdrops and/or scenic elements that are to be flown or statically rigged as outlined in the Venue's policies.

Other Rigging Positions

Location	Length (m)	WWL (kg)
FOH 1	15.5	500
FOH 2	18	500
Balcony Bar	3.5	Contact Venue
Cyc Bar	9	Contact Venue
PS & OP Perches	Contact Venue	Contact Venue

Hanging Plot

Line No.	Venue Allocation	Distance from SL (mm)	WWL (kg)	UDL (kg/m)	Mid Span Point Load (kg)	Motor
1	Valance	-1265	-	-	-	-
2	LX 1	-1015	350	50	80	EPH-500
3	House Drop Curtain	-615	125	50	80	EDH
Curtain 1	Curtain 1	0	-	-	-	-
4	Legs/Border	780	150	50	80	EPH-300
5	LX 2	1000	350	50	80	EPH-500
6		1600	350	50	80	EDH-500
7	Projection Screen	2030	350	50	80	EDH-500
8	Legs/Border	2450	150	50	80	EPH-300
9	LX 3	2690	350	50	80	EPH-500
Curtain 2	Curtain 2	3500	-	-	-	-
10	Legs/Border	3910	150	50	80	EPH-300
11	LX 4	4140	350	50	80	EPH-500
12		4490	350	50	80	EDH-500
13		4770	350	50	80	EDH-500
14	Legs/Border	5000	150	50	80	EPH-300
15		5310	350	50	80	EDH-500
16		5700	350	50	80	EDH-500
17	Tab Track	6110	350	50	80	EDH-500
18	Cyclorama	6390	150	50	80	EPH-300
Curtain 3	Curtain 3	7000	-	-	-	-
19	LX 5	7320	350	50	80	EPH-500

***NOTE**

- SL: Setting Line - where Curtain 1 travels across stage.
- WWL: Working Load Limit
- UDL: Uniform Distributed Load

Lighting

Control System and Network

Lighting Console ETC ION with 40+20 Fader Wing
Standard Operating Location Control Room
Protocol..... sACN (Strand Lighting Network Nodes)

Dimmers and Power Distribution

Rack mounted at OP Catwalk area on Level 2. Dimmers are permanently connected outlets throughout the Venue. All outlets can be switched between dimmer and hot power.

Item	Qty
LSC GenVI Advanced Dimmer Racks	14

FOH Distances to Setting Line

Position	Distance to setting line	Angle to setting line
FOH 1	9178mm (9.2m)	~62°
FOH 2	13743mm (14.7m)	~37°
Balcony Bar	14994mm (15m)	~18°
Followspots	22246mm (22.2m)	~20°

House Lights

Fully integrated Digilin LED downlight and wall panel system.
Both independent and DMX control available. Fade time only adjustable when operated by console.

Control Positions Control Room or DSPS (Stage Management Desk).

Lighting Fixtures

The standard lighting rig included in the hire of the Venue includes in the following:

- Static LED white and colour wash
- Cyclorama LED floods
- Profile specials

***NOTE**

- Fixtures marked with * incur an additional charge outlined in the Schedule of Fees.
- Any alterations to the standard rig must be returned to normal at the end of the hire period. Time required beyond the allotted booking time will be charged at an hourly rate as per the Schedule of Fees.

PROFILES:

Manufacturer	Model	Power	Qty
ETC	Source Four LED Series 3 Lustr X8 26°		12
ETC	Source Four Jnr	575W	4
ETC	Source Four Jnr Zoom	575W	4
EK	eProfile FC (RGBAL)	250W	20
Selecon	Pacific 12°	1200W	16
Selecon	Pacific 14/35°	1200W	5
Selecon	Acclaim Axial Zoomspot	600W	8

FRESNELS:

Manufacturer	Model	Qty
ETC	Desire LED 7" Fresnel	12
Silverstar	Frezno RGBAL (DMX Zoom)	32
Selecon	Rama Fresnel 1.2k	12
Selecon	Rama Fresnel 2k	4

MOVING LIGHTS:

Manufacturer	Model	Qty
*Ayrton	*Diablo S Profile	16
*Silverstar	*Pluto 2000 Wash	24
*Chauvet	*Rogue R2 Spot	6
*Chauvet	*Rogue R2X Spot	2

SPECIAL EFFECTS / OTHER:

Manufacturer	Model	Qty
Silverstar	Cyc Wash (Cyc2 RGBAL)	10
*AVE	*Mirror ball and motor	2
*Martin	*Smoke Machine (JEM ZR25)	1
*Martin	*Strobe (Atomic 3000)	1
*Chauvet	*Blinders (Shocker 2)	2
*Chauvet	*Bubble Machine	2
*Chauvet	*UV Light (SlimBank UV-18)	6
*Robert Juliat	*Followspot (Roxy LED)	2
*MDG	*Haze Machine (ATMe Haze Generator)	1
*Robe	*Haze Machine (Haze 400FT)	1
ShowPro	LED ParCans	20

ACCESSORIES:

- All fresnels have barn doors
- Limited range of top hats, irises, gobo holders and gobos available

Patching

Location	Bar Point Numbering	Qty
Balcony Bar	1-6	6
FOH Bridge 2	7-30	24
FOH Bridge 1	31-54	24
OP Perch	55-60	6
PS Perch	61-66	6
LX 1	67-84	24
LX2	85-102	24
LX3	103-120	24
LX4	121-138	24
LX5	139-150	24
Cyc Bridge	151-162	12
Stage / Orch Pit Traps	163-168	6

Audio

Audio Desk and Control

Audio Desk.....Allen & Heath Avantis
Channels.....64
Standard Operating Location Control Room
Network Protocol..... S-Link

Allen & Heath and expanded Dante facilities upgrade coming in 2025.

Front of House Speaker System

The Speaker System’s processing is carried out by the Xilica Solaro FR1 System. The Speaker System uses two d&b audiotechnik 30D and one d&b audiotechnik 10D amplifier.

Position	Speaker	Qty
Left & Right	d&b audiotechnik ALi90 Array	2
Subwoofer	d&b audiotechnik Bi6	4
Front Fill	d&b audiotechnik 8s	5
Rear Stalls Fill	d&b audiotechnik 8s	4
Balcony Delay	d&b audiotechnik 8s	3
Foldback (Downstage)	ARX	2
Foldback (Upstage)	RCF 310-A	2

Microphones

***NOTE**

- The Venue owns 24 wireless receivers, therefore no more than 24 channels of wireless (either handhelds or headsets/lapels) may be used at one time.
- Microphones marked with * incur an additional charge outlined in the Schedule of Fees.

WIRELESS SYSTEM AND MICROPHONES:

Item	Make	Model	Qty
*Wireless Handheld Mic	Sennheiser	e965 G3	14
*Wireless Beltpack Transmitter	Sennheiser	ew500 G3	24
*Headset / Lapel Mic	Sennheiser	MKE-2	24
*Headset Mic	DPA	4066	2

CABLED / INSTRUMENTAL MICROPHONES:

Item	Make	Model	Qty
Vocal Mic	Shure	Beta 58A	4
Vocal Mic	Shure	SM58	1
Vocal Mic (on/off switch)	M1	M1-S	2
Instrument Mic	Shure	Beta 74A	4
Instrument Mic	Audiotechnica	ATM350	2
Gooseneck Lectern Mic	Shure	MX418	3
Boundary Plate Mic	Sennheiser	e912	3
Boundary Plate Mic	Crown	PCC 160	2
Overhead Drop Mic	Shure	MX202	12
Kick Drum Mic	Shure	Beta 91	1
Pencil Condenser Mic	Rode	NT5	2
Pencil Condenser Mic	AKG	451	2
Shotgun Mic	Rode	NTG8	2
Shotgun Mic	Rode	NTG3B	6

Other Sound Equipment

Item	Model	Qty
Tall Mic Stand (Boom)	K&M	8
Tall Mic Stand (Boom)	Gravity	10
Short Mic Stand (Boom)	K&M	8
Floor/Table Mic Stand	K&M	4
Speaker	RCF 408-A	2
Speaker	RCF 310-A	2
Speaker	RCF 910-A	4
Recorder	Roland R26	1
Recorder	Zoom F6	1
Lectern (Black)	Lectrum	1
Lectern (Grey)	Lectrum	1

The Venue has a limited supply of Allen & Heath DX Stage Boxes and audio cables available for use, including XLR, TRS, TS, 3.5mm jack, RCA, IEC and XLR Multicore.

Assistive Hearing System

Hearing impaired audience members may make use of the auditorium’s Roger hearing assistance system. Please contact Venue Management prior to the event for further information.

Vision and Broadcast

Vision System

The Venue has an advanced vision switching and capture/recording system comprised of the following:

CONTROL AND OPERATION:

Item	Qty	Comments
Blackmagic ATEM 1M/E Advanced Panel	1	Mounted in Control Room Rack
Blackmagic ATEM 1M/E Production Controller	1	Broadcast Vision Switcher
Panasonic AW-RP150 PTZ Controller	1	Camera Controller in Control Room
Blackmagic Smart VideoHub 40x40	1	Mounted in Vision Rack
Blackmagic Smart VideoHub 20x20	1	Mounted in BOH Office
Blackmagic Hyperdeck Studio Mini	4	Mounted in Control Room Rack
Blackmagic Audio Monitor	1	Mounted in Control Room Rack
MultiView 4	1	Mounted in Control Room Rack
SmartView 4K Monitor	2	1 in control room, 1 portable
Blackmagic Video Assist 7"	1	Portable setups
Apple Mac Studio M1 Max	1	Recording Hub
Apple Mac Pro 2013	1	Processing

ACCESSORIES AND LAPTOPS:

Item	Item	Qty
Laptop	Apple Macbook Pro 13" (2016 Intel)	2
Laptop	Apple Macbook Air 13" (M1)	2
Laptop	Apple Macbook Pro (M2)	1
Laptop	HP Spectre	1
USB Clicker	Logitech	4
Scaler	Decimator	6
SDI/HDMI Microconverter	Blackmagic	8

Video Recording and Broadcast

George Wood Performing Arts Centre can provide a range of video recording, broadcast, and post-production services for your event. The Venue is fully equipped to record and stream content in full HD (1080p) resolution. Services available for hire include, but are not limited to:

- Commercial recordings
- Archival recordings
- Live video streaming and broadcast to an online platform
- Post-production services: editing, colour grading, and closed captioning
- Technical and creative consultation for the video project

***NOTE**

- Any form of recording or broadcast undertaken at GWPAC requires prior approval from Venue Management.
- All broadcast and recordings require the Hirer to have obtained the necessary releases, licenses, and rights in relation to copyright.

Screens and Projection

The Venue has a variety of screens available for vision output through the hire of the *Projection Package*. This is comprised of the following:

SCREENS:

Screen	Ratio	Model	Dimensions
Full Stage Cyclorama	16:9	-	4.8m x 14m
Auditorium Presentation Screens (x2)	16:9	-	4.4m x 2.6m
Stage Presentation Screen	16:9	-	16ft x 9ft
Balcony Bar Screen (Confidence Monitor)	16:9	NEC C981Q	98" (diagonal)

PROJECTORS:

Manufacturer	Model	Standard Use	Qty
Epson	EB-G7005U	Stage Presentation Screen	1
Panasonic	PT-RZ120 (12K Laser FHD)	Full Stage Cyclorama	1
Panasonic	PT-RZ120 (12K Laser FHD)	Auditorium Presentation Screens	2
Panasonic	PT-DW11K	-	1

***NOTE**

- Any applications can be used to provide the image and most devices.
- System input must be HDMI or SDI. The system is not compatible with VGA or DisplayPort.

Cameras

The following cameras and accessories are a list of equipment available for broadcasting live to screen and recording, for operation by GWPAC Staff.

CAMERAS AND LENSES:

Manufacturer	Model	Qty
Blackmagic	URSA Broadcast Camera G2	2
Panasonic	PTZ Camera (AW-UE70KEJ)	3
Blackmagic	PocketCinema 4K Camera	2
Canon	Pro Zoom Lens KJ20x8 2B IRSD	2
Panasonic	Lens Leica DG 12-60mm f/2.8-4.0	2

ACCESSORIES:

Item	Model	Qty
Tripod (Broadcast)	Manfrotto 612 Nitrotech with LANC	2
Mini Shoulder Kit	Blackmagic URSA	2
Mini Shoulder Kit	Blackmagic URSA	2

Stage Management and Backstage Facilities

Communications

The Venue consists of wired stations and wireless comms units (beltpack and headset) as standard equipment that can be positioned where required in the Venue.

Item	Model	Qty
Cabled Unit	Creative Audio	3
Cabled Unit	Jands EasySpeak	2
Wireless Unit	ClearCom Freespeak II 1.9Ghz	3
Base Station	Creative Audio	1

Extensive communications system upgrades coming in 2025.

***NOTE**

- Additional cabled or wireless units can be hired. Please contact Venue Management for more details.

Stage Management Desk

The Stage Management Desk (SMD) is located on Prompt Side and is fitted with:

- Monitor screen with stage feed
- Lamp
- Master Comms Station
- House Lighting control
- Curtain System control
- Connection for iPod, USB, HDMI, SDI

Set Assembly and Storage Space

There is space Prompt Side that can be used for set assembly and storage. This space can be divided from the stage by the moveable wall.

***NOTE**

- Items of set cannot be left in this area outside the Hirer's booking period unless authorised by Venue Management prior to arriving on site.

- All items of set/props/costumes must be removed from GWPAC after the event. Failure to do so may incur an additional charge for the removal of set and/or rubbish.

Dressing Rooms and Rehearsal Rooms

The Venue has two principal dressing rooms, two rehearsal rooms and toilet facilities. Each room contains a monitor screen with stage feed (video and sound).

Additional Rehearsal Rooms

The Venue has other spaces within the school grounds for back of house assembly areas etc. These rooms are in nearby buildings to the Venue.

