STUDIO
Technical Specifications

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Contents

Studio

Brief Description

203 seat studio theatre with sprung flat floor, overhead catwalks, control room and retractable seating.

Stage is structural plywood floor (Weathertex) with paint finish. Any fixing of items to stage or walls requires prior authorisation by Technical & Venue Services Team Leader.

Stage distributed load limit	**750kg / m2**
Stage Point load limit	**450kg /m2**
Stage Rake	**No**

Stage Dimensions

Stage width (with no masking)	**18000mm**
Stage depth (front of seating bank)	**11000mm**

Drapery

*Type	Material	Colour	Width	Height	Quantity
House Curtain	N/A				
Borders	N/A				
Legs	90% Wool, 10% Polyester	Black	2500mm	6000mm	3 pair
Tabs / Smother	80% Wool, 20% Polyester	Black	11000mm	6000mm	1
Cyclorama	100% Cotton	White			1
Star cloth					1
Silver Fog Finsh cloth	Spandex	Silver	14000mm	8000mm	1
Sequin drape		Black	1200mm	6000mm	2

Access Equipment

Elevated Work Platform

Haulotte Vertical Mast STAR 8 S self-propelled single person lifter

Must be operated by a venue technician unless prior approval obtained by Technical & Venue Services Team Leader

One additional staff member to be located at base whilst in use.

Maximum reach	**7950mm**
Maximum lift capacity	**200kg**

Staging Units

- (8) Ezy Staging Units 2.4m x 1.2m x 400/600mm (variable height)
- (6) Tread units

Safety Curtain

Safety Curtain installed	**No**
Thickness of Fire Curtain	**N/A**
Distance from setting line	**N/A**

Loading Dock

The loading dock is shared across multiple spaces in The Round. Access to the loading dock is by prior arrangement with the Venue and Technical Services Team Leader. Truck access is via The Round car park.

Door dimensions	**7500mm High**
	3950mm Wide
Loading dock lift:	**1420mm x 1600mm x 2170mm**
	1500kg WLL

Lighting

Positions

- Upstage Catwalk
- Downstage Catwalk
- FOH Catwalk 1
- FOH Catwalk 2

Standard Rig

- LED Profile wash (6 colour mixing LED ellipsoidal) FOH & onstage
- Moving Head Wash FOH and onstage

Dimmer Racks

Total Dimmers   **(10) LSC Gen VI 12 channel x 10amp**

House Lights

Independent control   **Yes – controlled by Dali**

Control positions   **Control Room**

Fade time adjustable   **Yes**

Stage Luminaire

Profiles

Make	Model	Angle	Detail / Accessories	Watt	Total
Prolights	EclProfile CT PLUS		(2) Gobo holders to suit, (12) irises, (12) homogenising filters	264W	**12**
Prolights	Zoom EclProfile Lens	15°-30°			**8**

Prolights	Zoom EclProfile Lens	25°-50°			8

Movers

Make	Model	Control Channels	Detail / Accessories	Watt	Total
ShowPRO	R3 Wash	16/20		310W	14

Additional – shared with Proscenium Theatre

Item	Model	Model	Detail / Accessories	Watt	Total
Mirror Ball	Bright Light LMB-24		600mm diameter with motor		1
Hazer	Martin	Unique	DMX controlled		2

Production Desk

MA Lighting Grand MA3 Compact

Enclosed Control Room with operable windows at rear of auditorium, accessible via level 1.

Cabling

240v Extension Cable

The theatre has a good stock of extension leads to accommodate The Round standard lighting rig.

Audio

Control and Amplification

Primary Mixer

Allen & Heath dLive S5000, duel redundant MPS16 power supply

dLive DM64 MixRack

GX4846 audio expander (floating – shared with Proscenium Theatre)

Amplifiers

1 x d&b audiotechnik 30D amplifier

EQ

A&H dLive S5000

FX

A&H dLive S5000

Compression / Limiter

A&H dLive S5000

Speakers

FOH Speakers (Left and Right)   **2 x d&b audiotechnik E12**

                                                             2 x d&b audiotechnik E12-D

Subs (Side hung) -   **2 x d&b audiotechnik E15X-SUB**

Control Positions

Control Room

Enclosed Control Room with operable windows at rear of auditorium, accessible via level 1.

Playback

Item	Make	Model	Detail	Total
Macbook	Apple		iTunes, Qlab 5	2
CD/USB Player	Tascam	CD200SB		1

Microphones & DIs

Make	Model	Detail / Accessories	Use	Total
Sennheiser	EW500G4-GBW	Wireless set (RX, beltpack TX)		25
Sennheiser	SKM500-G4 with MMD945-IBK capsule	Wireless handheld		16
DPA	4066-OC-A-F00-LH	Wireless headset		4
JAG	IMX6A	Wireless headset		25
Sennheiser		Lapel mic		2
Beyer	M88	Dynamic hyper-cardioid	Vocal/instrument	2
Beyer	M201	Dynamic hyper-cardioid	Instruments/drum	2
DPA	4011C	Cardioid condenser	Instrument/choir	10
Shure	Beta SM58	Dynamic hyper-cardioid	Vocals	12
Shure	SM57	Dynamic cardioid	Instrument	6
Sennheiser	E835S	Dynamic cardioid switch	Vocals	4
Shure	52A	Large diaphragm dynamic	Kick/bass	1
AKG	D112	Large diaphragm dynamic	Kick/bass	1
Sennheiser	E904	Dynamic cardioid	Drum	5
Audix	DP5A	Pro 5-piece pack	Drum	1
Rode	NT55	Pencil condensers	Overheads	6
sE Electronics	SE1-A	Pencil condensers	OHs, strings, piano	4
Shure	Microflex	Gooseneck condenser	Lectern	2
AKG	HM1000	Cardioid condenser	Choir	6
Shure	Beta 91a	Condenser Lo Z boundary	Kick, tap, instru.	
Radial	JDI	Passive DI		12
Radial	JDI Stereo	Passive DI		6
Radial	USB-PRO	24 BIT USB Stereo DI		3
Radial	BT-PRO	Bluetooth stereo receiver		2

Accessories

Item	Model	Detail	Total
Microphone Stands	K&M	Tall telescopic boom with tripod base	18
	K&M	Tall telescopic straight with round base	4
	K&M	Tall telescopic boom with round base	6
	K&M	Short telescopic boom with tripod base	10
	K&M	Short telescopic boom with round base	8
	K&M	Table stand	4

Cabling

The theatre has a good stock of cables to accommodate the venue's audio equipment. The inventory includes 3 pin XLR, Speakon and Cat 6 cabling. If additional audio equipment is being brought in additional cabling will be required.

Audio Visual

Projection Room

- 1x Extron DXP HD 4K Plus video matrix switcher with I/O cards
- 2 x 10" AV touch screens in Control Room and stage
- 1x Macbook with QLab and Microsoft Office
  Mac users required to bring in own VGA/HDMI adaptors for laptops

Playback Options

- USB
- CD/DVD
- Laptop with HDMI connectivity

Projector

1 x Panasonic PT-RQ25KE, 3-Chip DLP, 4k Laser projector,

Lumens	**20k**
Native Resolution	**3840 x 2400**
Aspect Ratio	**16:10**

Video imaging should be in UHD format – 4K (4096x2160P)

Screens

- Screen Technics motorised front projection screen 6085mm W x 3425 H fixed upstage
- Cyclorama can be used as a projection surface

Projector Location

Control room at rear of Studio. Projector may be moved in consultation with Technical & Venue Services Team Leader.

Backstage

Communications

Stage Manager's desk can be moved within the staging area via a 7.5m loom, and is fitted with a light, clock, stage video and audio, talkback and dressing room paging.

Talkback

Master Unit	**Clearcom FSII-BASE-II**
Total sub stations	**2 beltpacks (wired) with headsets,**
	5 wireless beltpacks (FSIIBP) with headsets

Paging / Show relay

Show relay is distributed to all dressing rooms and green room.

Stage Monitor

Show relay is set-up in all Dressing Rooms, Green Room, Foyer and SM position.

Cue Light System

No

Dressing Rooms

Dressing rooms will be allocated based on the number of personnel associated with the production.

Dressing Room	Capacity	Toilet	Shower	Notes
DR 1	2 PAX	Yes	Yes	
DR 2	20 PAX	Yes	Yes	
DR 3	20 PAX	No	No	
DR 4	25 PAX	No	No	
DR 5	30 PAX	Yes	Yes	
DR 6	2 PAX	Yes	Yes	DDA compliant
DR 7	16 PAX	Yes	Yes	
DR 8	16 PAX	Yes	Yes	
DR 9	2 PAX	Yes	Yes	
Musicians Rm	30 PAX	No	No	

Laundry / Wardrobe

The laundry is a shared facility which services multiple spaces within The Round and users will not have exclusive access.

Washing Machines	**Yes**
Dryers	**Yes**
Iron / ironing board	**Yes**
Clothes racks	**21 mobile racks**

Production Facilities

Production Office	**Yes. Dressing room 8 can be used as an office**
Phone	**No**
Fax	**No**
Internet Access	**Yes**

Greenroom

Tea / Coffee facilities	**Yes**
Fridge	**Yes**
Microwave	**Yes**
Running water	**Yes**

Additional Facilities & Information

Hearing Augmentation

A wireless Listen Technologies LT system is available for use, with headphones and neck-loop hardware available for use.