

Technical Specifications

Auditorium

Seats up to 299 on retractable raked seating including balcony and 4 optional flat rows at floor level. At capacity there is a gap of 2.4m between first row and the stage. Without the 4 optional rows there is a 5m gap between the first row of the raked seating and the stage. This area can be used as performance space, albeit with more limited lighting options and a beech coloured floor.

With seating stored the floor is 13.7m wide and 11.5m deep from the stage to the retracted seating. There are two large alcoves behind the seating bank primarily used for chair storage.

Dance Studio

20.1m wide (max) by 8.75m deep. Fully mirrored along one wall.

2 wall mounted speakers. Wheeled rack mounted amplifier, CD player with input points for an iPod and up to 3 microphones.

Wall mounted main stage show relay speaker. Can be used as an extra Dressing Room or rehearsal space for the main auditorium with prior agreement.

Dressing Rooms

4 in total. All dressing rooms have show relay.

DR1 (Green Room) is at stage level and is suitable for wheelchair users. It is 3m x 4m and has a bathroom with accessible toilet, shower and sink. It is the only dressing room with a monitor showing a live feed from stage. It can also be used as a green room or quick change area.

DR2 (Female) is below stage, large with 2 x shower, 2x toilet cubicle, 4 x sink.

DR3 (Male) is below stage, large with 2 x shower, 2 x toilet cubicle, 2 x urinal, 3 x sink.

DR4 (Laundry) is below stage, small with 1 x shower, 2 x toilet cubicle, 2 x sink.

Company facilities

A washing machine and a drier are in DR4. An iron and ironing board is available.

There is no company office, but we can make our usual office equipment available to you. Free Wi-Fi is available in the café bar & in certain points around the building.

Parking for cars & vans is available to the front of the building. Please contact us about larger vehicles.

We have a café & bar, which is open throughout the day serving hot & cold drinks, crisps and confectionary. There are several food outlets nearby.

Stage

Stage is 6050mm deep with a 2100mm apron. Stage level is 1200mm above auditorium floor. Pros opening is 7800x3750mm (WxH).

A single removable set of steps is in place to access the stage during a Load In. These are usually removed for a performance but can be left in place by prior arrangement (requires the removal of seats). There is no level entrance to the stage from the road. Load in is a 1100mm wide ramp to auditorium level, there is also a swing gate at the top of the ramp for loading the side of a tail lift on a luton or similar. Get In Doors & Gate measure Approx. 1350x2040mm (WxH).

Floor is glossy black Rosco flooring. No drilling into the floor is allowed.

A retractable screen hangs between Winch 2 and Hemp 2. Its bottom edge is 410cm above the stage floor, currently masked by the border on Winch 2.

Hand-operated house tabs are directly upstage of the pros arch, controlled from DSL.

There are two sets of 2m wide legs and 1.5m deep borders. There are full up-down legs on tracks masking side stage.

Split Full Stage black Star Cloth operated from USL on a fixed track 200mm in front of the back wall. The back wall is painted white for use as a cyclorama.

Other tab tracks (1 x full width, 1 x split width) are available by prior arrangement.

20+ stage weights.

Cee form power outlets (1 x 63A 3phase, 3 x 63A single phase, 1 x 32A single phase) are in the wings MSL.

Rigging

BAR	FUNCTION	MAX LOAD	MAX OUT DEAD (m)	BAR LENGTH (m)	15a DIM	13a NON DIM	DMX OUT	NOTES
Hemp Bar 1		100Kg	5.2	7.8				Only to be used for border for cinema unless otherwise arranged
	Cinema screen							Brackets are located at either end of the screen to support the house roller
Drill Winch 1	LX 1	250Kg	5.2	9	12	2	1	
Fixed Bar 1		*	N/A	9				*Load must be subtracted from other bars
Drill Winch 2	Borders	250Kg	5.2	9				House Borders & Black Legs on Single Track
Hemp Bar 2		100Kg	5.2	9				
Drill Winch 3	LX 2	250Kg	5.2	9	12	2	1	
Hemp Bar 3		100Kg	5.2	9				
Drill Winch 4	Borders	250Kg	5.2	9				House Borders & Full Split Blacks on Single Track
Hemp Bar 4		100Kg	5.2	9				
Drill Winch 5	LX 3	250Kg	5.2	9	12	0	0	
Hemp Bar 5		100Kg	5.2	9				
Fixed Bar 2	U/S wing masking	*		9				*Load must be subtracted from other bars
Drill Winch 6	LX 4	250Kg	5.2	8	10	2	2	
Fixed Bar 3	Split Star Cloth	N/A	N/A	9				Full Split Black Star Cloth Pulley USL
Hemp Bar 6		100Kg	5.2	9				

3 x FOH fixed bars with a total of 30 dimmable circuits, 4 non-dims and DMX feed are each 4.6m above stage level. Up and Down bars run between FOH 2 & FOH 3. Each with 4 dimmable circuits and 1 non-dim.

2 x FOH Fixed Perch positions are either end of FOH 1, from 2.7 -4.6m above stage level. Each with 5 dimmable circuits.

Lighting

Rhodes Arts Complex uses a generic rig, any changes from this are done within the hours of the hire unless a pre-rig has been arranged. The rig must also be returned to this setup during the hours of the hire. Please email the Technical Manager if you require a copy of the current rig.

A total of 110 dimmable circuits & 12 non-dim circuits switchable from the dimmer room.

Control is via an Avolites Arena, 2 universes of DMX can be sent to the dimmer room where there are two DMX splitter/patching units. The Avolites desk can also accept DMX in, Midi and Timecode along with additional DMX outputs from the booth by prior arrangement only.

Please see Stage plans for LX channel & DMX layout.

Lighting Equipment;

18 x Selecon Rama Fresnel

6 x Strand Cantata Fresnel

12 x Selecon Acclaim Fresnel (650w)

18 x ETC Source Four Par (various lenses)

12 x Par 64 (CP62)

8 x Par 64 short floor can (CP62)

12 x Selecon Acclaim Axial 18/34 (M size gobo)

4 x Selecon Acclaim Axial 24/44 (M size gobo)

4 x Selecon Hui (4 x 1kw) Cyc flood (500W Lamps)
1 x Pulsar jumbo strobe (Wired Remote Controlled Only)
5 x Pulsar Chromaflood 200
4 x Mac 250 Entour
2 x GLP Impression Spot One
8 x ChromaQ 8inch scrollers (house scroll colours provided on request)
1 x 40cm mirror ball and rotator + 2 pinspots
1 x Look Solutions Unique 2.1 Hazer
1 x Margin Magnum 2000 Smoke Machine (with DMX control)
1 x Antari Z1000 Series 2 Smoke Machine (with DMX on/off control)
8 x Doughty tank traps with various lengths of pipe
4 x 1m boom arms (FOH Perches)
Various short boom arms available on request
1 x ShowLED Chameleon RGB Starcloth on split curtain track 200mm from rear wall.
1 x Robert Juliat Buxie MSR 575W followspot (Operator can be provided at an additional cost by prior arrangement)

Pyrotechnics

Please call the technical manager regarding the use of any pyrotechnics at the venue.

Sound

House Sound Mix Position is in the tech booth located centrally on the balcony, the desk can be removed by prior arrangement.
FOH Touring Mix Position is located in the back 2 rows at the centre of the rake seating. Our default platform size is 2x1m (This requires the use of our stage risers). This is achieved by removing 10 seats.
If a larger space is required please advise at point of contract as it requires the removal of more seats.
The multicore run is approx. 40m to SL wing.

Installed PA

3 x L-Acoustics Kiva per side
2 x L-Acoustics SB18
3 x L-Acoustics X8 per side for cinema surround

Monitors/additional speakers

2 x L-Acoustics X8 flown on LX 2
4 x L-Acoustics X12 passive floor monitors
4 x RCF 4Pro 480W active floor monitor
2 x QSC K12 active loudspeaker/monitors

Patching;

1 x Allen & Heath AR2412 Expander (24In & 12Out) Located in the radio mic rack SR.
1 x Allen & Heath AR84 Expander (8In x 4Out) Portable Flightcase.
There are 28 inputs and 20 returns available around the stage patchable in the booth.

Booth Equipment;

1 x Allen & Heath GLD80 Digital Sound Console. (Including Dante I/O Card)
1 x Allen & Heath AR84 Expander (8In x 4Out)
1 x Tascam pro CD player with auto pause
1 x Mac Book Pro (Running Qlab 3 Pro)

Microphones;

5 x Shure SM58
1 x Shure Beta 58 A
4 x Shure SM57
1 x Shure Beta 57 A
1 x AKG D112
3 x Sennheiser E604
3 x AKG C414

4 x AKG C1000s
2 x AKG C547BL (Boundary Mics)
2 x AKG C747 (Lectern Mics)

4 x Straight mic stand with weighted round base
9 x Boom mic stand
2 x Short boom mic stand
6 x Behringer DI100 DI boxes
1 x Behringer 8 way rackmount DI

Additional equipment available
Tascam pro MD player with auto pause
Behringer 8 way headphone amp

Wireless Microphone Equipment;

We have 14 channels of wireless receivers, which can be utilised in any combination of the handhelds and bodypacks listed below.

4 x Sennheiser G2 Handheld Radio Microphones
4 x Sennheiser G3 Handheld Radio Microphones
4 x Sennheiser G2 beltpack transmitter complete with headset mics
10 Sennheiser G3 Beltpack transmitter complete with headset mics

Audio-Visual

Sony SRX-510P 4K Cinema projector
Optoma EH320USTP 4000 lumen Ultra Short Throw 0.25:1 Projector (primarily used for projecting onto the cyc)
Roland V-1HD video switcher
Denon DN-500BD Blu-ray player
Kramer VGA-HDMI Scaler

Further details are available on request.

Stage Management

A foldaway Stage manager desk DSL equipped with, Comms, Call Station and Flat screen monitor showing the FOH Infrared Camera feed of the stage.

5 x Canford single channel comms beltacks with single muff headsets.

2 x Cloud 3 Zone Call systems. Backstage, House & FOH calls can be made from the technical booth or SM desk DSL via our call stations. (Visitors are not permitted to make FOH or House calls without prior agreement from Rhodes Management)

1x IR Camera positioned on FOH LX 2 feeds the SM desk and Green Room Monitors. (Other feeds can be provided by prior arrangement)

For further information please contact;

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Entrance Signposted as Bishops Stortford Museum.

