



Rhodes Arts Complex – Bishop’s Stortford Technical Specification

Technical Manager

Paul Richard prichard@rhodesartscomplex.co.uk Tel: 01279 710209
Mobile: 07888 039573

Technician

Conor O’Sullivan co’sullivan@rhodesartscomplex.co.uk

Reception 01279 710200

Load in

Load in is via a 1100mm wide concrete ramp to auditorium level.

Load in doors 1350x2040mm (WxH)

There is a gate at the top of the ramp where it is possible to load off the side of a luton tail lift.

There is free parking available on site. Please let us know how many vehicles you are intending to bring.

Stage

Load in Ramp	1.1m width
Load in doors	1.35 x 2.04m (WxH)
Proscenium Opening	7.8m
Proscenium Height	3.75m
Stage depth, rear of pros to rear wall	6m
Apron depth, D/S edge to rear of proscenium	2m
Stage height	1.2m
Height to lowest border	3.66m

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

Rear wall is painted white to use as a cyclorama. Split starcloth and full set of black masking in place.

There are no installed steps from auditorium to stage. By default, we allow for a temporary set which require the removal of seats A17-18. We can provide a second set if requested in advance which require removal of more seats.

Dressing Rooms

All dressing rooms have audio show relay and calls. The green room also has a video show relay.

DR1 (Green Room) is at stage level and is suitable for wheelchair users with a Stannah stair lift to access the dressing room and stage if required. It has an accessible bathroom with toilet and shower. This room is our primary access to stage from the auditorium and to the SL wings from the dressing rooms under stage. There is a divider which can be used if privacy is required. Suitable for 4.

DR2 (Female) is below stage, large with 2 x shower, 2x toilet cubicle, 4 x sink. Suitable for 13.

DR3 (Male) is below stage, large with 2 x shower, 2 x toilet cubicle, 2 x urinal, 3 x sink. Suitable for 12.

DR4 (Laundry) is below stage, small with 2 x toilet cubicle, 2 x sink. Suitable for 4.

Company facilities

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

There is no company office. Free Wi-Fi is available throughout the building.

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

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



Rigging

BAR	FUNCTION	MAX LOAD (Kg)	MAX OUT DEAD (m)	BAR LENGTH (m)	DEPTH FROM SETTING LINE (m)	NOTES
STAGE						
Hemp Bar 1		100	5.3	7.8	0.3	Only to be used for border for cinema unless otherwise arranged
Cinema screen		N/A			0.35-0.55	Brackets are located at either end of the screen to support the house roller
Drill Winch 1	LX 1	200	5.1	9.5	0.8	12 dimmer circuits, DMX and 13A power, 30kg per metre
Drill Winch 2	Borders	200	5.1	9.5	1.5	D/S masking legs on single T60 track, House borders tied to bar, clearance 3.9m
Unistrut	Second screen		4.1		1.55-1.75	Permanent install
Drill Winch 3	LX 2	200	5.1	9.5	2.1	12 dimmer circuits, DMX and 13A power, 30kg per metre
Hemp Bar 2		100	5.3	9.5	2.6	
Drill Winch 4	Borders	200	5.1	9.5	2.8	House Borders & Full Split Blacks on Single Track standard clearance 3.66m
Hemp Bar 3		100	5.3	9.5	3	
Drill Winch 5	LX 3	200	5.1	9.5	3.5	12 dimmer circuits, DMX and 13A power, 30kg per metre
Hemp Bar 4		100	5.3	8.3	3.9	
Fixed Bar 2	U/S wing masking	N/A	5.3	9.5	4.2	*Load must be subtracted from other bars
Drill Winch 6	LX 4	200	5.1	8	4.5	10 dimmer circuits, DMX and 13A power, 30kg per metre
Hemp Bar 5		100	5.3	9.5	5.2	
Unistrut	Split Star Cloth	N/A	N/A	9.5	5.5-5.7	Split Black Star Cloth on overlap track, Pulley USL
Hemp Bar 6		100	5.3	8.9	5.9	
FRONT OF HOUSE						
Fixed bar	FOH 1	200	4.6	14.3	3.9	40kg per metre
Fixed bar	FOH 2	200	4.3	14.3	5.8	40kg per metre
Fixed bar	FOH 3	200	4.6	14.3	13.1	40kg per metre
Fixed bar	FOH 4	150	4.5	7.3	5.8-13.1	Runs from FOH 2 to FOH 3, 6m from centre, 40kg per metre
Fixed bar	FOH 5	150	4.5	7.3	5.8-13.1	Runs from FOH 2 to FOH 3, 6m from centre, 40kg per metre
Vertical bar	Perch SR	60	2.7-4.3	3.6	5.8	Use boom arms to rig, 7m from centre
Vertical bar	Perch SL	60	2.7-4.3	3.6	5.8	Use boom arms to rig, 7m from centre



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 are patchable, one per lighting bar and each corner of the stage, more can be available on request.

Circuit No.	Location
1 – 12	FOH 1
13 – 24	FOH 2
25 – 28	FOH 4
29 – 32	FOH 5
33 – 38	FOH 3
39 – 43	Perch SR
44 – 48	Perch SL
49 – 60	LX 1
61 – 72	LX 2
73 – 84	LX 3
85 – 94	LX 4
95 – 98	DSR
99 – 102	DSL
103 – 106	USR
107 – 110	USL

Lighting Equipment

18	1.2kw Selecon Rama Fresnel
6	1.2kw Strand Cantata Fresnel
12	650w Selecon Acclaim Fresnel
18	750w ETC Source Four Par (various lenses)
12	1kw Par 64 long nose(CP62)
8	1kw Par 64 short nose floor can (CP62)
12	575w Selecon Acclaim Axial 18/34 (M size gobo)
4	575w Selecon Acclaim Axial 24/44 (M size gobo)
8	Chauvet R2 moving head wash
4	Chauvet R3 moving head spot
8	ETC Colorsource deep blue Par
2	ETC Colorsource Cyc
2	GLP Impression Spot One
5	Pulsar Chromaflood 200
8	ChromaQ scrollers for Rama Fresnel or Source Four Par (house scroll colours provided on request)
1	40cm mirror ball and rotator + 2 pinspots
1	Look Solutions Unique 2.1 Hazer
1	Look Solutions Viper NT Smoke Machine
8	Doughty tank traps with various lengths of scaffold tube
	Various boom arms available on request
2	ShowLED Chameleon RGB Starcloth on split curtain track 200mm from rear wall.
1	Robert Juliat Buxie MSR 575W followspot (Operator can be provided at an additional cost by prior arrangement)



Power

There are 13A sockets in each corner of the stage.

Touring supply located MSL

- 1 x 63A 3ph
- 3 x 63A 1ph
- 1 x 32A 1ph

Specials Effects

Please contact the Technical Manager regarding the use of any pyrotechnics, special effects or confetti at the venue. The Venue will require a risk assessment and method statement submitted 14 days in advance and may require a demonstration on the day of the event.

Sound

House Sound Mix Position is in the tech booth located centrally on the balcony, the house 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 L-Acoustics Kiva per side
- 2 L-Acoustics SB18
- 3 L-Acoustics X8 per side for cinema surround

Monitors/additional speakers

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

Booth Equipment

Allen & Heath GLD80 Digital Sound Console. (Including Dante I/O Card)

Allen & Heath AR84 Expander (8In x 4Out)

Tascam pro CD player with auto pause

MacBook Pro (Running Qlab 4 sound and video license)

Patching

Allen & Heath AR2412 Expander (24In & 12Out) Located in the radio mic rack SR

Allen & Heath AR84 Expander (8In x 4Out) loose

There are 28 inputs and 20 returns available on stage patchable in the booth allowing an additional 12 inputs and 8 outputs to the GLD80

Microphones

- 5 Shure SM58
- 1 Shure Beta 58A
- 4 Shure SM57
- 1 Shure Beta 57A
- 1 AKG D112
- 4 Sennheiser E604
- 4 Sennheiser E906

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- 3 AKG C414
- 4 AKG C1000s
- 4 Sennheiser ME64
- 2 AKG C547BL (Boundary Mics)
- 2 AKG C747 (Lectern Mics)

- 4 K&M Straight mic stands with weighted round base
- 8 K&M Tall boom mic stands
- 6 K&M Short boom mic stand
- 4 Radial Pro48 DI
- 6 Behringer DI100
- 1 Behringer 8 way rackmount DI

Additional equipment available

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

Wireless Microphones

- 10 Sennheiser G3 receivers
- 4 Sennheiser G2 receivers

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

Audio-Visual

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

Stage Management

Foldaway Stage manager desk DSL equipped with, Comms, Call Station and monitor displaying the FOH Infrared Camera feed of the stage. Backstage calls can also be made from the tech booth.

- 5 Canford wired single channel comms belt packs with single muff headsets.
- 4 Altair wireless comms
- 1 IR Camera positioned on FOH LX 2 feeds the SM desk and Green Room Monitors.

We aim to make your time at the venue as enjoyable as possible.
Let's work together to put on a great production.

Many thanks Rhodes Technical Dept.