

Arts at the Old Fire Station



Theatre Technical Specification

As of 1 March 2021

Please note that the information contained herein is **subject to change without notice**, and equipment is not guaranteed to be available for every performance. All information is correct to the best of our knowledge at the date of publication above.

Any questions? Contact the Digital and Technical Manager: Rachel.luff@oldfirestation.org.uk

Venue information:

Arts at the Old Fire Station
40 George Street
Oxford OX1 2AQ

Front Desk:	01865 263 980
Technical Manager:	01865 263 984
General Manager:	01865 263 989

Theatre Floor:

The theatre's floor is a fully sprung dance floor, with a Le Mark Nocturne vinyl surface. As such, significant care must be taken to ensure that sets, props and shoes do not damage the floor.

No nails, screws, or other fasteners may be used in the theatre's floor. Any scenery or props must not have sharp or rough surfaces in contact with the floor, and no hard items may be dragged across the floor.

Tap shoes, stiletto heels, and sports footwear with cleats or spikes may not be used in the theatre.

High tack tapes and tapes that leave residue may not be used on the floor. We recommend PVC dance floor tape for use in securing cables or marking layouts on the floor.

The floor may not be painted.

Maximum point loading: 200kg

Seating Layout:

The theatre's seating and performance areas can be laid out in several ways. There are two standard layouts and four alternate layouts. Be aware that the existing rig for the lighting system is configured for the standard layouts, and will need significant time for re-focusing if you are using an alternate layout.

Standard Layouts:

End Stage

Seating on one side of the room, performance area at the other side. Seating in tiers on raised decking, performance area at floor level.

Thrust

Same as End Stage above, but with seating on three sides of the performance area.

Alternate Layouts:

Traverse (short)

A long, narrow performance area, at floor level, with tiered seating on two opposite sides. Performance area parallel to balconies.

Traverse (long)

Same as Traverse (short) above, but with the performance area running perpendicular to the balconies.

Film / Lecture (“End On Plus”)

Similar to End Stage above, but with additional rows of seating extending the seating area. Some rows of seats are at the same level as those behind, creating some sightline issues, usually insignificant for films.

Standing

No seating. Audience stands, and a small stage is constructed for the performance area.

Please refer to the layout drawings at the end of this document for details.

Control Position:

The control position is on the stage left balcony, well off-centre and above the stage. It is not enclosed in a booth or box and is not centre FOH position.

Draperies:

The theatre’s draperies are on tracks, and can be drawn or parted.

1x Full length pleated black drape, centre part, at the back wall of the stage

2x Full length black leg, 3m wide, approx 1.5m from back wall

In addition, there are 2.3m high drapes along the front edge under the balconies, allowing the areas underneath the balconies to be masked off, and a further drape at the rear of the auditorium to hide the full width mirror.

It is not possible to remove or re-position the theatre’s draperies.

Stage Dimensions:

N.B. These dimensions are for the entire room. The amount of performance space available depends on the layout of the seating. Please see individual seating layouts for more information.

Width (to edge of balconies)	10.5m
Depth	10.4m

Height to fixed lighting grid 5m

Rigging:

Fixed pipe grid consisting of:

6x 10m bar	SWL 250kg each
6x 10m cross - bar	Rigged from main bars, and sharing their SWL

N.B. SWL available for rigging is less due to equipment already rigged. Please contact the Technical Manager if you anticipate hanging over 25kg from the grid. Any rigging must be done by a competent person.

Normal access to the lighting grid is via a Zarges 10 rung ladder. We also have a Zarges ZAP Z600 platform ladder. This ladder requires two persons to set up and take down and its quite time consuming, but preferable for rigging any heavy items.

Get In:

Get in is on the level, no raised dock. The loading area is Bay 2 in the Gloucester Green Bus Station, a loading permit is available at reception. There is one kerb to be negotiated from the bus station to the theatre doors.

Double door to stage:	1.38m wide
Loading area:	30mins loading with permit from reception

Parking:

There is no on-site parking available. The nearest public parking areas are the Worcester St. car park and the Gloucester Green car park. See [the Oxford City Council's car parks page](#) for hours and rates.

Power:

16 and (32 amp) single phase cee-form connections, and domestic 13a sockets are available on stage right and stage left. There is a supply with a separate grounding system for technical power with sockets in many places around the theatre.

Dressing rooms:

Two small (1-3 person) and two large (3-6 person) dressing rooms are available in the basement, one level below the theatre. Toilets and shower facilities are also available in this area. We regret that there is no green room or kitchen.

Communication:

Wireless internet access is available in the theatre. Ask the duty manager or technician for access information when you arrive. Wi-Fi coverage is poor or non-existent in the dressing rooms.

Lighting System:

- Control: ETC Ion with 2x10 fader module. One touchscreen and one standard monitor. 1 DMX universe from Ion fed to DMX splitter in dimmer room with outputs patched to lighting grid for scrollers and moving lights and USL and USR right stage panels - available for onstage DMX use, smoke machines etc.
- Dimming: ETC Sensor, 10a per dimmer
75 x Dimmed circuit
16 x Non-dim circuit, DMX controlled.
13a and 16A hot power also available at stage and grid level
- Luminaires: N.B. All lighting fixtures are used as part of the theatre's standard rig. Any fixtures moved or removed from the rig must be replaced after an event.
- 10x ETC Source Four Zoom, 15° - 30°, 750w
 - 10x ETC Source Four Zoom, 25° - 50°, 750w
 - 18x Selecon Rama Fresnel, 1000w
 - 6x Selecon Acclaim Fresnel, 650W
 - 12x ETC Source Four PAR, 750w
 - 6x Selecon Hui Flood, 500w
 - 6x Robe 300 LED Moving head wash
 - 4 x ETC Coloursource CE PAR
 - 6x Chroma-Q+ Scroller with standard Rosco theatre scroll - currently not rigged

Please refer to the standard LX rig plan for details

Video System:

- Projector: Panasonic PT-RZ770 (laser phosphor)
7000 Lumens max - normal use is 5000 lumens
1920 x 1200 native resolution, 1.7 - 2.4:1 zoom lens
N.B. Projector is permanently mounted at the rear of the theatre and can project up to approximately 5m image width at upstage wall - throw distance approximately 9.5m.
- Screen: We have 2 projection screens available in the theatre:
- A 4m wide 16:10 electric roll down screen - permanently rigged (from LX bars) on centre about 800mm downstage of the back wall - normally used for conference and film events. See LX plan for position.
 - Fast fold screen frame with front projection surface
4m wide x 3m high
Use of the fast fold screen must be arranged in advance.

Inputs: HDMI and VGA (via CAT6 active adapter) available at control position or upstage left.
Playback: Sony DVD / Blu-Ray player, QLAB (licence required)
Accessories: DMX controlled douser flag on projector.

N.B. Use of projector or screen incurs an additional charge. Contact Bookings for details.

Recording and Streaming System:

Cameras: 3 x Canon XA11 Video Camera - 1080p
With Tripod stand for each
Run by SDI cables with HDMI - SDI converters at either end

Hardware: Blackmagic Atem Mini Pro
Blackmagic Video Assist - with a 24inch monitor connected
Elgato Stream Deck

Software: OBS Studio
Companion - for Stream Deck connectivity

Sound: Ableton Live 11 Standard

N.B Use of Streaming Equipment incurs additional charges. Contact Bookings for details.

Audio System:

Control: Soundcraft Si Impact
32 Channel
8 bus
Sound position: is on Stage Left Balcony and not on floor level centre FOH

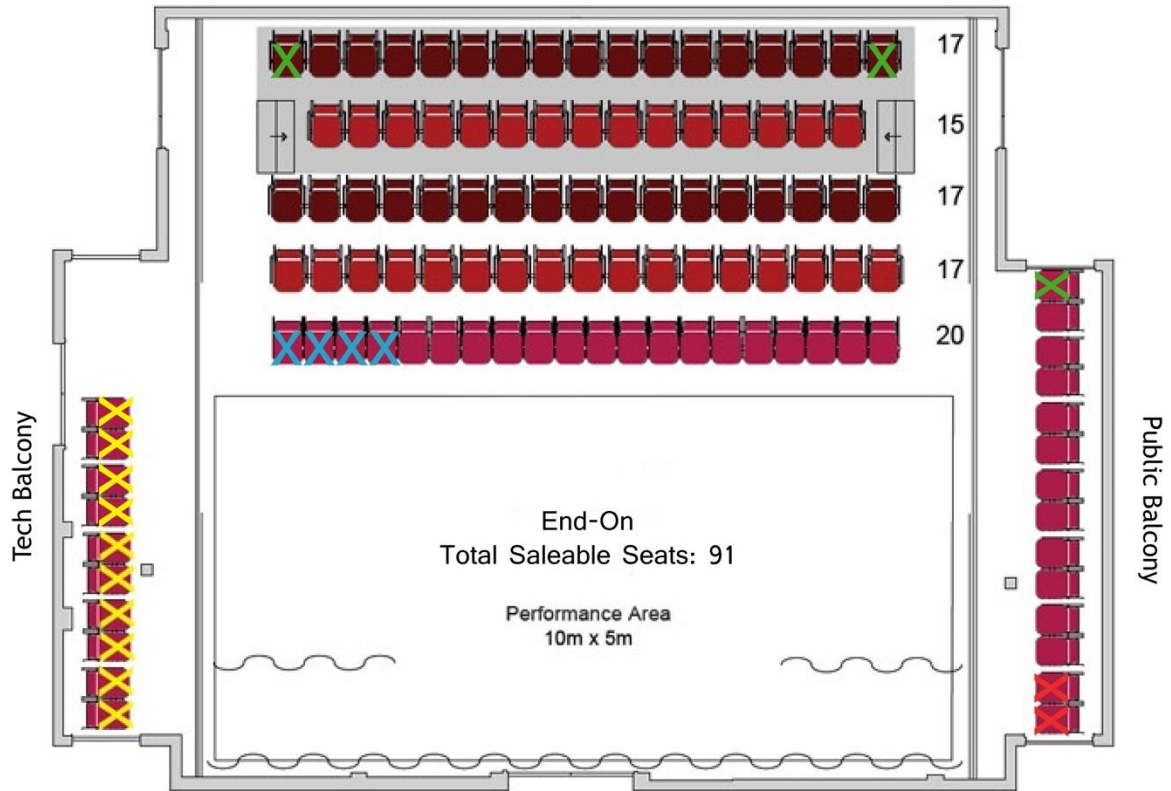
Flown loudspeakers: N.B. The position of the overhead flown speakers cannot be changed - see LX plan for positions
4 x KV Audio EX10

Subwoofers (ground level): 2 x KV Audio EX1.2 Sub

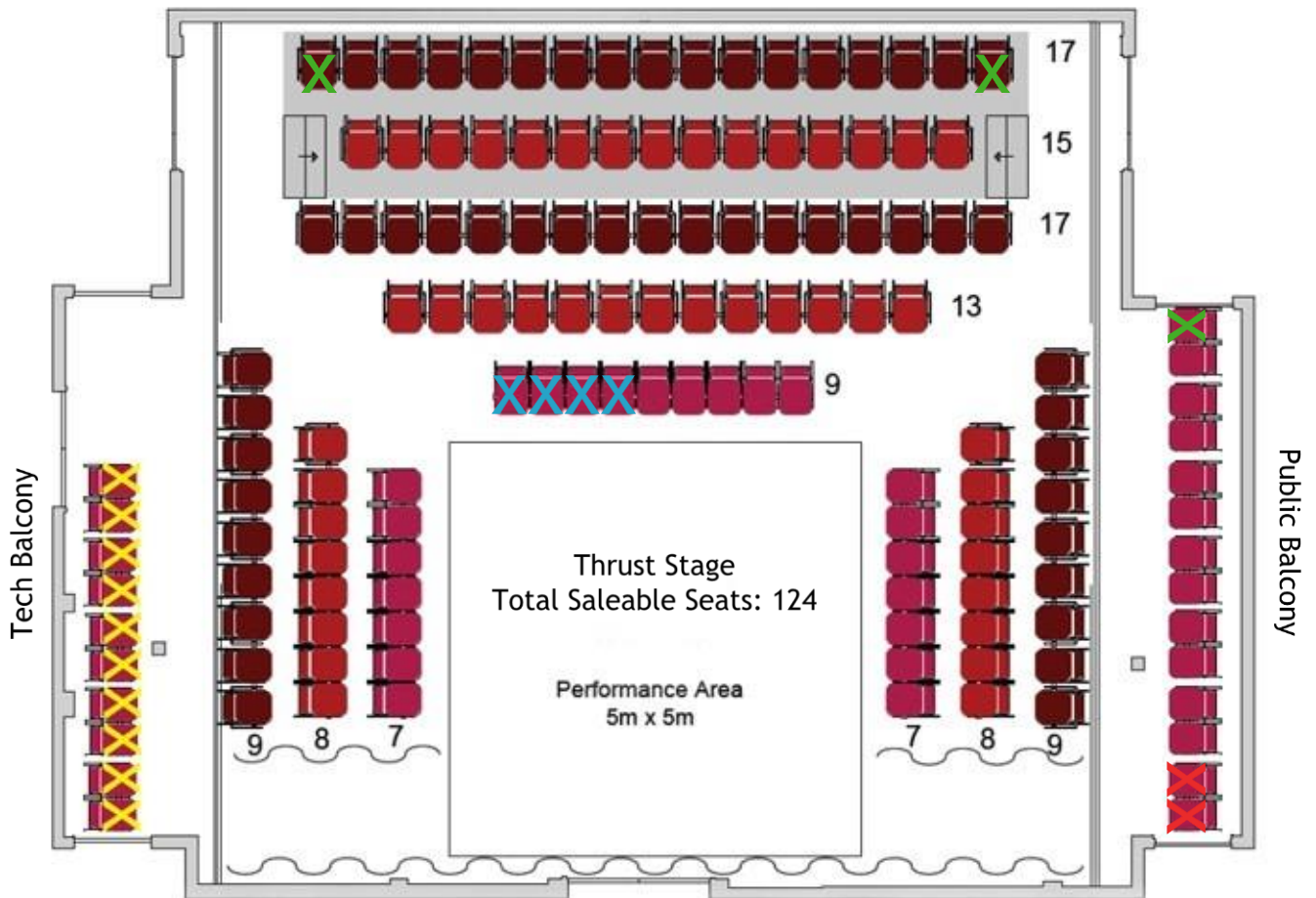
Loose monitor speakers: 4 x KV Audio EX10
1 x Alto IPA 400W

Microphones:	<ul style="list-style-type: none"> 6 x Shure SM58 Vocal mic 2 x Shure SM57 Instrument mic 1 x Shure Beta 52 kick drum mic 3 x Sennheiser E604 clip on drum/conga mic 2 x Sennheiser E614 short condenser mic 1 x Sennheiser E608 super cardioid clip on instrument mic 2 x AKG c451b Small cap condenser mic 1 x Rode NT-1a large diaphragm condenser mic 1 x Rode NTG2 Short Shotgun mic 1 x Active DI box 6 x Behringer D120 Dual DI boxes 8 x tall boom mic stands 2 x short boom mic stands 2 x speaker stands
Playback:	<ul style="list-style-type: none"> 1 x Tascam CD-500 CD player 1 x Mac Mini + Qlab 3 and 4 - free version (8 channel USB sound interface available subject to licence) Scarlet 4i4 interface
Audio Tie Lines:	24 mic lines, 8 returns, from USL & USR panels.
Intercoms:	<ul style="list-style-type: none"> 5 x 2 Channel beltpack 5 x Single muff headset
Wireless Microphones:	<ul style="list-style-type: none"> Licensed Channel 38 System: 4 x Sennheiser ew300 receiver - rack mounted 4 x Sennheiser ew300 beltpack transmitter with ME2 lavalier microphone 2 x Sennheiser ew300 handheld transmitter microphone 4 x YPA MH1 "budget" lightweight headset mics, flesh tone

N.B. Use of wireless microphones incurs an additional charge. Contact Bookings for details.



End On Layout		Key	
Performance Area	10m x 5m		
Stalls - total	86		
Public Balcony - total	14		
Tech Balcony - total	10		
Total Seats	110		
Crisis Comps	4	X	Crisis Comps
Ushers	3	X	Usher
Blocked View	2	X	Blocked View
Not For Public Sale	10	X	Not For Public Sale
Stalls - saleable	80		
Public Balcony - saleable	11		
Total Saleable	91		



Thrust Layout		Key	
Performance Area	5m x 5m		
Stalls - total	119		
Public Balcony - total	14		
Tech Balcony - total	10		
Total Seats	143		
Crisis Comps	4	X	Crisis Comps
Ushers	3	X	Usher
Blocked View	2	X	Blocked View
Not For Public Sale	10	X	Not For Public Sale
Stalls - saleable	113		
Public Balcony - saleable	11		
Total Saleable	124		