



Technical Specifications April 2024

For further details on any information contained in this specification, please contact:

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General:

Access to the backstage areas is available to the visiting Company from Midday except on Matinee days. If this is deemed to be an issue, please contact us to discuss as earlier access may incur additional staff costs.

Parking:

Please note that we do not have any on site parking facilities. There is a pay car park for cars only just around the corner from the theatre, but we have no facilities for vans, minibuses etc to be parked near to the theatre.

The nearest paid car park is at the [Grand Arcade](#) which is open 24/7. This car park is quite expensive.

The council runs 'park and ride' buses until 20:00 from several locations around the city.

There are a number of side streets where parking is free for the day, all of these are 15-20 mins walk from the theatre.

One of the best streets to use is [Adams Road](#), off Grange Road.

Internet:

Internet and WiFi connections are available backstage and on stage please ask a member of the Tech Dept for access password.

Stage:

The Stage is flat (no rake) and has a glazed black ply surface. Visiting Companies may fix directly into the floor with screws at the discretion of the in-house staff.

Stage dimensions:

| | | |
|--------------------------------------------------|----------|-----------|
| Width of proscenium | 7,800mm | (25' 7") |
| Height of proscenium | 4,960mm | (16' 3¼") |
| Depth of stage to u/s of safety curtain | 10,000mm | (32' 10") |
| Height of stage from auditorium floor | 950mm | (3' 1") |
| Forestage/Pit Lift A front - from front of stage | 1,420mm | (4' 7") |
| Forestage/Pit Lift B front - from front of stage | 2,400mm | (7' 10½") |
| Forestage/Pit Lift A depth | 1,420mm | (5' 0") |
| Forestage/Pit Lift B depth | 980mm | (3' 2½") |
| Height to underside of grid | 14,690mm | (48' 3½") |
| Height to underside of stage left fly floor. | 5973 mm | (19' 6") |
| Height to underside of stage right fly floor | 7078mm | (23' 2") |
| Height of Scene dock | 3,070mm | (10' 1") |
| Width of scene dock door | 2,880mm | (9' 5") |
| Diagonal of inner dock door | 4,170mm | (13' 8") |

Flying system:

| | |
|-----------------------------------------------------------------------------------|-------------------------------------------------|
| 43 single purchase counterweight bars. | (Max. spread load 500kg; max. point load 125kg) |
| 2 single purchase counterweight up-and-down bars (these are bars 44 & 45 on plan) | (Max. load 500kg; max. point load 125kg) |
| Length of bars extensions (12000mm total) | 10,200mm (35' 6") + 900mm (3' 0") |
| Max height of bars | 14,000 mm (45' 11") |
| Min. height of bars | 1,000 mm (3' 3") |
| Max point load from the grid: | 1 ton per 3m |

We carry 6 spreader beams in the grid.

Please note that all bars may not always be available due to in house lx bars needing to remain rigged and stored in the grid. Please contact us to discuss.

Front of house lighting bridges:

| | | |
|----------------------------------------------------------|----------|-----------|
| Bridge 1 - distance from front of stage | 2,800mm | (9' 2¼") |
| Bridge 2 - distance from front of stage | 5,100mm | (16' 9") |
| Bridge 3 - distance from front of stage | 10,300mm | (33' 9½") |
| Height of FOH bridges above stage level | 7,500mm | (24' 7") |
| Circle front lighting bar - distance from front of stage | 9,000mm | (29' 6¼") |
| Height of circle front bar above stage level | 3,100mm | (10' 2") |

Front of house advanced truss is available on manual chain blocks with a maximum loading of 250 kilos evenly distributed.

Soft Masking

- 1x border, black, 11.5m wide by 1.25m deep
- 6x borders, black, 11.5m wide by 3.0m deep
- 1x border, black, 11.5m wide, by 4.0m deep
- 6x pairs of legs (12 no. total), black, each 2.5m wide by 7.5m deep
- 2x pairs of legs (4 no. total), black, each 1.25m wide by 7.5m deep
- 2 x Full Black cloths, 11.5m wide by 7.5m deep

Other cloths available are:

White and Black gauzes

White Cyc

Star Cloth

please contact us to discuss costs.

Hard Masking

- 4 x hard masking flats with black wool serge cover, 1.22m wide by 5.5m high

Seating

- The front two rows of the auditorium (rows A and B) can be removed, to form a full Orchestra Pit. We will presume that the rows will be sold unless we are told otherwise by your company in advance.

Temporary Power:

Mid-stage Left:

200A TP&N 'Powerlock' connectors. *(N.B. - not compatible with Camlocks - adaptors required)*

2x 125A TP&N Ceeform

1x 63A TP&N Ceeform

2x 32A TP&N Ceeform

Scene Dock (clean earth for sound):

1x 63A SP&N Ceeform

1x 32A SP&N Ceeform

1x 16A SP&N Ceeform

Grid:

2x 32A TP&N Ceeform

Lighting Equipment:

The following lanterns are available for use by visiting companies :
Use of this equipment will incur a £20 charge of one bulb per type of unit used.

Fresnels:

39 x Strand CantataF (1.2kW)
4x Strand AltoF (2kW)
4x Selecon Arena Fresnel (2kW)

PC:

10x Cantata PC (1.2kW)

Profiles:

53 x ETC Source4 bodies (750W)
FOH Bridge 3 - 12x Source 4 19° 750W (Not movable from bridges)
FOH Bridge 2 - 12x Source 4 26° 750W (Not movable from bridges)

ETC Source 4 Lens Tubes:

30 x 19° (12 on FOH Bridges)
21 x 26° (12 on FOH Bridges)
15 x 36°
4 x 50°

Par Cans:

34 x PAR64 flood lamps (1kW) (A selection off CP62, CP60 & CP61 are kept in stock but not sufficient amounts for all units)

Pixellines:

6 x 1044
2 x 1044 v2

Follow spots:

2x Robert Juliat Foxie – 700W HMI

Lighting Control:

**Please note that our House dimmers need to remain on universe 1 to allow use of our house lights.
Please contact if this is an issue.**

ETC GIO Main Console with ETC ION running tracking backup.

Output: Network / Dmx

ETC Sensor 3 Dimmers with ThruPower - 183 x 10A circuits, 15 x 25A circuits.

Circuit distribution plan available on request.

Please note that stage overhead circuits are via socapex sockets and not 15A.

Notes:

1. *Extra lanterns are available, for which a hire charge will be made. Please ask for details.*
2. *The 24 Source 4 (750W) listed on the bridges forms our permanent FOH rig (plan available on request).*

Colour

The Cambridge Arts Theatre carries a stock of Lee and Rosco Supergel filters from which a colour call may be prepared in advance at a cost of £50.00. Colour not in stock, other brands of colour filter or large quantities of filter can be supplied, and will be charged for at cost in addition to the colour call charge.

Sound Equipment:

Mixing desks:

Yamaha M7CL-48 with MY16-AUD2 Dante Card

48x Mono, 4x Stereo Inputs (XLR)

16x Dante Inputs (all Dante inputs are head amp controllable from the mixing console).

24x XLR Outputs (XLR), 16x Dante Outputs.

The M7CL - 48 is in the Sound Control Room at the rear of the Circle and is not moveable.

The window of the Sound Control Room slides back for live sound mixing.

Yamaha 03D digital mixer.

16 x inputs (8x XLR, 8 x ¼ inch Jack)

4 x bus outputs, 4 x aux sends, stereo main outputs.

2 x Soundcraft EPM6, 6 channel analogue mixers.

Signal Processing & Amps:

1 x D&B DS10 Audio Network Bridge

3 x Yamaha R18-D (2x floating, 1 x installed in the control room)

2 x Yamaha R08-D (installed in the amp room)

1 x D&B 30D Amplifier (stalls and circle mains)

5 x D&B D6 Amplifier (delays, in fills and floating stock)

2 x ST-600 Amplifiers (surrounds)

Our sound system is controlled via Dante Controller and the D&B R1 app from the laptop in the sound control room.

Installed sound system:

4 x D&B V7p's (2 stalls, 2 circle each side of the pros)

2 x D&B E9 in fills (positioned on the pros at stalls level and used for centre fill for the front of the stalls)

2 x C& sub-bass units

5 x D&B E3's as delays under the circle. These are a split feed as 3 x in and 2 x out)

8x JBL Control One surrounds speakers (4 x stalls, 4 x circle). These are positioned as left, rear left, rear right and right.

Floating speakers:

4 x D&B 902- LS

4 x EV SX200

Tie Lines:

Speakon, BNC, Mic and line level tie lines to all areas of the stage, orchestra pit, band room and auditorium.

Dynamic Microphones:

4 x Shure SM58
1 x Shure SM58-S
2 x Shure SM57
4 x Beyerdynamic MG201TG
3 x Beyerdynamic M88TG

1 x AKG D112 (Kick Drum)
4 x Sennheiser E604 (with tom rack mounts)

Condenser Microphones:

3 x Shure SM91
4 x AKG CK91 (with S3008 bodies)
3 x Crown PCC160 boundary mics
2 x Beyerdynamic MCE 86N
3 x Audio Technica AT815b

Comms:

6 x Canford Audio Tech Pro Packs
4 x Altair Wireless Packs

DI Boxes:

7 x DBX DB12
2 x BSS Audio AR133
2 x Canford DI 100
4 x EMO Single DI Box
6 x MTR DI-3 GT

Splitters:

2 x Canford SB901
2 x ARTcessories DT1 22

Radio Mics:

16 x Sennheiser EW500 G3 Receivers
14 x Sennheiser SK500 G3 Transmitters
2 x Sennheiser SKM500 Handheld Transmitters.

Our radio microphones are available for use if available, at a nominal charge of £10.00 per mic per day. If any damage is incurred then the visiting company will be charged at cost for any repair. The system uses either rechargeable AA batteries (in house) or alkaline batteries which must be provided by the visiting company. The use of the radio mics must be pre-arranged with the Head of Technical prior to your arrival.

Radio mic licensing:

We hold a site licence for the following frequencies:
Ch69, Ch38, Ch39, Ch40 – for touring equipment
(not all frequencies available and are constrained by the Digital Switchover)
Ch40, Ch42 and Ch43 – Cambridge Arts Theatre Equipment

Mixing positions:

There is also a mixing position at the rear of the stalls, maximum space available is 3000mm x 2000mm

At the venues discretion we may ask you to position the desk off centre to allow the sale of surrounding seats to maximise Box Office.

There is space in our sound control room or in prompt corner to site a small touring sound desk and associated equipment.

Prompt Desk:

Prompt desk with paging facility located in stage left wing.

14x Q-light circuits (patchable), intercom and video relay.

Full show relay (audio and video) to all areas.

Dressing Rooms:

We have 8 dressing rooms and a band room. Three dressing rooms are large (up to 8 people) and three are small (2 to 3 people). There is also an accessible dressing room with ensuite at stage level. The band room can be used as 2 dressing rooms if needs be (up to 8 people in each). Some of the dressing rooms have showers and toilets ensuite, other showers and toilet facilities are available close by.

There is no designated visiting company office.

There is a small kitchenette with microwave and fridge in the Green Room area with Tea and Coffee making facilities.

Wardrobe:

There is a wardrobe room and a laundry room with 2 washing machines, 2 tumble dryers, iron and ironing board.

Please note that dryers and Hot boxes cannot be left on overnight. If left on they will be switched off on building lockdown.