

CARRIAGEWORKS THEATRE

MAIN AUDITORIUM TECH SPEC

Technical Manager:

Steve Greenwood

Stephen.Greenwood@leeds.gov.uk

Ph: 0113 378 8185

Technical Supervisor:

Chris.Bradley@leeds.gov.uk

Ph: 0113 378 7091

Technical Team

carriageworks.technical@leeds.gov.uk

07891276896

MAIN AUDITORIUM

General

Situated in The Electric Press building, at the heart of Millennium Square, the theatre showcases the best national and international touring productions, and has quickly established itself as a key destination for audiences looking for an entertaining, inspiring and adventurous night out.

The Carriageworks Theatre houses two performance spaces, each fully accessible. The Main Auditorium is a proscenium arch theatre with a capacity of 349, and caters for larger-scale productions. The Studio is an intimate and flexible studio space with a maximum capacity of 77, accommodating intimate dramas, puppetry, and everything in between.

Merchandise

A space is available for merchandise sales on the 1st Floor situated to the right of the staircase and directly opposite the lift.

Wi-Fi

We have a free Wi-Fi network in the venue 'Leeds Free Wi-Fi' this is available throughout the venue. The connection will open a browser in which you must accept terms and conditions. Please note that as a council service, some sites and VPNs etc. are automatically blocked. The connection is generally unsuitable for streaming / webcasts, so a 4G solution must be brought in.

Load in & Parking

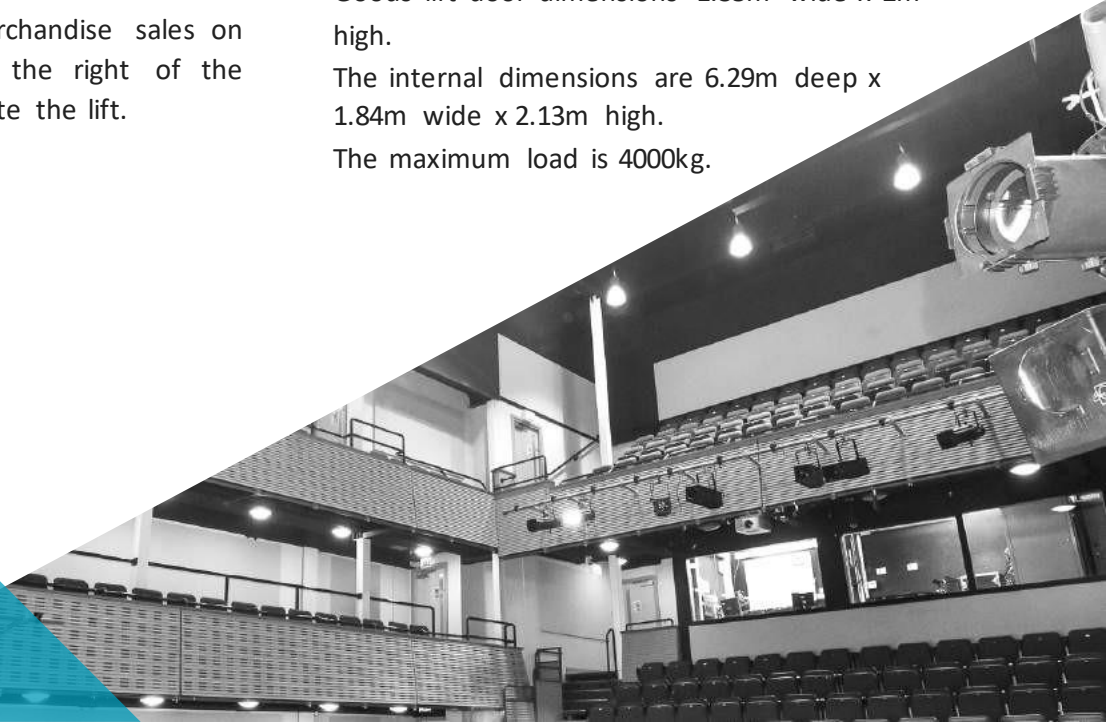
Get-in and get-outs are from the loading bay on Great George St into a goods lift that goes to stage level. There is a one-hour loading / unloading restriction enforced and we do not have any parking.

Please note the goods lift dimensions are the limiting factor for scenery, there is no other way of getting scenery onto the stage.

Goods lift door dimensions 1.35m wide x 2m high.

The internal dimensions are 6.29m deep x 1.84m wide x 2.13m high.

The maximum load is 4000kg.



Stage

Stage Details (for the standard proscenium arch configuration)

The proscenium arch width is 9.6m with a maximum height of 8.2m.

There is a single adjustable false proscenium red header that can reduce the proscenium height to 5.5m.

The stage depth to the proscenium arch is 8.15m with an apron depth of 0.7m in front. This gives a total stage depth from front edge of stage to back wall of 9.02m.

The stage width including wings is 16.61m. The stage floor is constructed of hardboard over a plywood base and painted matt black. There is no rake.

No fixings, nails or screws can be used on the walls or stage floor without written agreement from the venue.

The use of gaffer tape or any adhesives on the stage floor may incur a charge for repainting the stage, please check with the theatre first.

There are 4 x rolls of Harlequin dance floor, Black or Grey (2m x 10m) available. Contact the Technical Manager if required.

The scene dock is off the stage left wing and is separated from stage by an electrically operated sound-proof isolation door.

The scene dock has an area 4.77m wide x 3.11m deep and 4.44m high and an area 8.28m wide x 4.18m deep and 2.2m high.

There is a steel grid, allowing the placement of temporary pulleys or rigging, the height to underside of Grid is 10.4m and a point loading of 5.0kN (assumed over 500mm square).

There are 9 single movable grid fixing sheaves with 18mm manila rope, for spot lines.

There are 30 counterweight flying bars they are of a ladder construction using twin 48mm steel pipe and are 0.3m deep. They are adjustable between 11m and 13.4m. The maximum distributed load of each bar is 350kg.

Flying height is 10m and the width between fly floors of 12.18m.

4 counterweight sets down stage are used for permanent house tabs, proscenium borders and film screen. The remainder are free for lighting bars, leg and border masking, cyclorama and scenery.

There is also a counterweight bar running upstage to down stage on stage left and right, they are 6.6m long.



Stage

Border, Legs and softs stock:

4 pair of black wool serge legs of 1.8m x 6m 1 pair of black wool serge legs of 2m x 6m

There are 3 borders 11.88m wide x 2.95m drop
Cyclorama white filled cloth 12m width x 7m drop
2 pair of black wool serge tabs 5.6m wide x 5.6m drop

1 pair of red wool serge tabs 2 x 5.6m width x 5.6m drop

Also available, however please check with the theatre -

1 white sharkstooth gauze (11m width x 5.1m drop)

1 black sharkstooth gauze (11m width x 5.1m drop)

2 hall T70 tab tracks = 11m

1 triple E tab track = 10m

A roller film screen of 5.65m x 3.1m, this is set 1m from the stage floor

Christie LWU701i-D (7000 Lumen) projector on the balcony front

6 x 1.8 to 3m braces (distributed between main auditorium and studio)

32 x stage weights (distributed between main auditorium and studio)

Stage Power

3 x 125A 3 phase CEE sockets on stage left

1 x 63A 3 phase CEE sockets on stage left

1 x 32A single phase CEE socket on stage left

Twin 13A sockets on the 4 corners of the stage

Separated sound power 13A on the 4 corners of the stage + control room

Access Equipment

Ladders: we have a range of ladders and access equipment available for use by trained / competent technicians and we strongly discourage any additional ladders being brought into the venues. Any authorised ladders will need to be inspected by a house technician before use.

Unauthorised ladders must not be brought into the venue.



Lighting

Lighting is controlled with an ETC ION XE20 lighting desk

Operating three ETC sensor dimmer racks, via Ethernet. Ethernet is distributed round the stage and auditorium.

There are 170 x 2.5Kw channels with 15A sockets, and 20 x 5kw channels with 15 sockets and 32A CEE. 18 x 3kw Non-Dim circuits with 15A sockets.

Please note, that there are 190 plug-in 2.5kw dimmer Channels (½ module), and 16 x 5kw dimmer channels (½ modules) are shared with the Studio. If your use of channels is over 100 please contact the theatre.

Maximum load for all stage and FOH Lighting bars is 45kg/m run.

Stage lighting bars are made up from 12 x 3m six circuit stage internally wired lighting bars
 4 x 6 channel drop boxes
 16 x Socapex to 15A 6-way Spiders
 14 x 10m Socapex leads
 6 x 25m Socapex leads
 2 x 3m Socapex leads
 2 x Etcnet2 DMX Node's
 3 x 6-way ProLights DMX splitters

Lanterns

39 x ETC Source four zoom 750w 15° – 30°
 16 x ETC source four zoom 750w 25° – 50°
 12 x 2.5kw Strand ALTO F
 28 x 1.2kw Strand Cantata F
 6 x Prolight Diamond 19CC moving head
 8 x Chauvet Rogue RX1
 4 x Pixel Storm Quad Batten MKII (12 x 5W)
 4 x Prolight Versapar
 12 x Prolight Flatpar
 24 x James Thomas Engineering PAR 64 Floods
 9 x Selecon Pacific 45° – 75° Zoomspot (800w)
 1 x Martin Atomic Strobe + remote and DMX
 1 x Le Maitre Gforce2 smoke machine
 1 x Look solutions UNIQUE Hazer
 1 x Equinox lo-fog generator
 1 x Le Maitre Ltd six-way Pro stage Pyrotechnic controller with 4 flash pods
 1 x PLC-XU58 LCD projector
 4 x Thomas par 16 Birdies with colour frame and wiring set
 2 x Robert Juliat ALEX 2.5kw follow spots, with GT 4000 stand

Note the use of follow spots requires the construction of a follow spot platform that removes 24 seats from the rear of the balcony.



Sound

Allen & Heath Avantis 64Ch mixing desk c/w D-Pack software

Allen & Heath AR2412 24 input /12 output audio rack

Allen & Heath AR84 8 input / 4 output audio rack

Allen & Heath AB168 16 input / 8 output stage box

Denon DN 500c CD player

1 x Tascam MD-350 Mini Disc

1 x Yamaha P5000 s (subs)

2 x Yamaha P5000 s (Main)

2 x Yamaha P5000 s (Fills)

2 x Yamaha P2500 s (FX)

1 x Yamaha P2500 s (monitor)

2 x Yamaha SW218V bass bins

6 x Tannoy V12

2 x Tannoy V8

2 x Tannoy V12 used as stage monitors

2 x DAD Touring 208 Active speakers as stage monitors

2 x Yamaha AX 12 monitor speakers

7 x Shure SM58 handheld microphones

2 x Shure SM57 handheld microphones

2 x table microphone stands

4 x tall microphone stands with boom arms

5 x BSS AR-133 DI boxes

2 x EMO Dual DI boxes

There is an audio patch panel in the control room to 54 Microphone lines and 50 audio tie lines distributed throughout the theatre / auditorium

There are 30 RAT single halo light opera music stands and one MD stand

01 x Yamaha Clavinova CVP - 208

10 x Sennheiser ew SK 300 G3 Bodypack radio microphone transmitters

2 x Sennheiser ew SKM 300 G3 Handheld radio microphones transmitters

10 x Sennheiser G3 radio microphone receivers and

10 site specific licensed channels

Mac Mini (2018)



Streaming Equipment:

Datavideo RMC-180 Camera Controller For PTC-150

3 x Datavideo PTC-140 HDBaseT PTZ Camera

2 x Iiyama 27", Black, LED Monitor

3 x Nitrotech N12 video head w/ Twin leg tripod

1 x BLACKMAGIC ATEM Mini Pro

1 x Streamdeck 15 button

MacBook Pro 13"(2020)

3 x Audio-Technica M50X Studio Monitor

Headphones

2 x Shure SM7B Cardioid Dynamic Studio

Vocal Microphone