



Technical Specification 2021

Technical Department

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Access and Parking

Please click on the Google map link for directions to RG14 3BQ

[Google Map](#)

There is ample parking for over 100 cars on site, and reserved parking for most commercial vehicles including splitter vans, 7.5 tonne and larger trucks.

Load-in is via concrete ramp (distance from ramp to stage is approximately 10m) through three sets of double doors; 2m h x 1.47m w. Please note the maximum diagonal dimension is 2.44m.

All equipment must be removed from the venue immediately after the last performance as part of the get-out unless otherwise agreed.

STAGE

Stage Dimensions (Meters)

Proscenium Arch Width

9.1

LX Grid Height

7.4

Proscenium Arch Height

7.4

Full Working Stage Width

9.1

Setting line to Front of Stage

1.0

Edge Stage L to wing wall

1.2

Setting Line to US Blacks

6.0

Edge Stage R to wing wall

1.3

Full depth from cyclorama line to seating bank half out

11.8

Depth of seating bank half out to stage edge

5.8

Width of floor area when seating bank half out stair block to stair block

10.57

Width of floor area when seating bank half out wall to wall

13

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End on stage with a soft Blue Proscenium.
Maximum performance space is 10m wide x 6m deep.
Stage surface is flat floor, not raised and with no rake.
Stage is a sprung wooden floor painted matt black.
Screws, nails, staples and other fixings are not permitted.

Stage Management

The venue does not have a permanent Prompt Corner. There are coms points either side of stage (Upstage and Downstage), Followspot and control positions. There is a FOH tab pulley system located DSL.

Tracks and Cloths

The stage is black box style with soft black masking on both sides of the stage and upstage along the back wall. Along with soft masking there are four 1.5m wide x 6m tall tormentors that are used to mask entrances and exits. There are a full set of blue house tabs, manually operated from stage left. There is a full width white cyclorama hung upstage behind the black masking.

Flying

Please note that our Lighting grid is a fixed bar system and cannot be flown. All rigging and focusing is via the in-house Scissor Lift. We have 4 Lighting bars over stage, 2 wing side bars (4 metres in length, max SWL 50kg each), 1 advance bar and 1 bridge bar both positioned in front of the stage, along with two small perch bars Auditorium right & left.

There is no Fly tower above our fixed Lighting rig.

There are 4 x 250kg Liftket Chain hoists, along with 3 x 4m lengths of Prollyte Truss. This can be configured to fly lightweight scenery, cloths and lanterns (Subject to prior agreement & SWL). This is permanently hung just in behind the fourth Lighting bar.

Hardware

- 1 x swipe track (10m)
- 3 x 4m Prollyte Truss
- 4 x 250kg Liftket Electric Chain Hoists
- 6 x Doughty Tank Traps
- 1 x 5m Scaff
- 2 x 4m Scaff
- 4 x 3m Scaff
- 4 x 2m Scaff
- 4 x 1m Scaff
- 4 x fixed right angle scaffold clamps
- 6 x 12.5kg Stage Weights
- 18 x Doughty Steel Boom Arms
- 10 x Stage Brace 1.7m – 3m

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Staging/Floors

10 x Aluminium LiteDeck (8ft x 4ft)

2 x Aluminium LiteDeck (4ft x 4ft)

4 x Steel Deck (8ft x 4ft)

48 x 2ft legs

32 x 1ft legs

3 x rolls of Harlequin black/grey reversible dance floor (3 of 10m x 2m)

Please note that No Outdoor Footwear is allowed on the Harlequin dance floor.

Lighting

Lighting Control

ETC Congo Junior with 1 x 40 Fader wing and 1 flat screen monitor (wall mounted).

ETC Nomad Gadget 2 with 1 x programme wing, ASUS Laptop or iMac with latest software and 1 flat screen monitor (wall mounted).

Dimmers

96 channels of hardwired Zero 88 Chilli Pro 24 dimming (maximum 10a per circuit)

Power

Throughout the stage is 13amp power accessible from all areas of stage. There is a 32A three phase power supply located DSL. **(32A three phase is fed into a power distro permanently racked DSL)**

Please note that venues lighting is all on Universe 1

Lantern Stock

Fresnels

16 x Selecon Rama 150mm Fresnels (1.2k & with barndoors)

6 x Strand Quartet Fresnels (650W & with barndoors)

Profiles

18 x Selecon Pacific 14° - 35° Zoomspot (1k's) – 8 rigged on FOH bridge

8 x Selecon Acclaim Axial Zoomspot 18°-34° (600w)

Floods

7 x Selecon LUI Cyc Floods (1kw) (with barndoors)

PAR

30 x Parcan 64 (1k CP62) other lamps are available upon request

11 x Parcan 56 (300w MFL) other lamps are available upon request

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LED & Movers

4 x Lanta Fireball LED Short PAR64 (3 permanently rigged on LX3, 1 spare)
4 x Stairville LED PAR64 CX 3 RGBW (permanently rigged on LX4)
2 x Chauvet Intimidator 155 spots (rigged on LX1)
1 x Beamz Matrix22 Zoom (rigged on FOH Bridge)
1 x Chauvet DJ Kinta IRC (rigged on Truss)

Accessories

Gobo Holders for Selecon Pacific profiles (B size)
1 x 50cm Mirrorball and 1 rpm motor
1 x 30cm Mirrorball
All the lanterns have either safety chains or safety bonds on them.

Cables

Limited supply of 13A, 15A and 16A in various lengths, as well as 3 and 5 pin DMX available to use.
3 x 16A tri splits

Sound

Sound mixing position is to the left-hand side of the control booth or alternatively the sound desk can be situated in the centre of the back aisle of the seating bank just in front of the control booth.

Control

1 x Allen and Heath GLD80 Digital Console (48 inputs, 8 stereo FX sends & returns, 30 configurable buses and 20 outputs). The desk is linked by redundant four grade Cat5e to the AR2412 digital stage box situated DSL. The box has 24 inputs and 12 outputs. The desk can be configured into LR + SUB + DELAY or LCR + SUB + DELAY.
1x iMac for system control

Playback

Playback is via 1 x iMac with Qlab V4 full licence, 1 x CD or inputs for MP3/Laptop

Speakers

Full range D&B FOH system with Electro Voice delay speakers
2 x D&B B6 (1 per side)
2 x D&B Yi7P (1 per side ground stacked)
2 x D&B Yi7P (Flown FOH)
4 x D&B E8 (Front fills for live music events only)
2 x Electro Voice ZX1 (under FOH bridge for delays)

Amplifiers

2 x D&B 30D
1 x Electro Voice CP1200 (powering the Electro Voice ZX1 delays)
3 x Lab Gruppen IDP2400 (powering the 6 EM Acoustics M10 foldback stage monitors)
This system produces an SPL of 117dB A weighted LEQ 15 throughout the auditorium.

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Stage Sound Accessories

- 6 x EM Acoustics M10 foldback monitors
- 4 x Electro Voice SxA360 active speakers (can also be used as extra foldback monitors or side fills)
- 1 x Yamaha 18" active sub for drum fill
- 7 x Studiospares active mono DI box
- 2 x Studiospares passive dual DI box
- 3 x Behringer active dual DI box
- 16 x Tall boom mic stands
- 6 x Short boom mic stands

Audio Cables

- 1 x 24/8 way stage box permanently fixed US
- 3 x 8 way stage box
- 1 x 6 way stage box
- 6 x Jack to jack (various lengths)
- 7 x 1M XLR
- 14 x 3M XLR
- 41 x 5M XLR
- 2 x 9M XLR
- 7 x 10M XLR
- 5 x 15M XLR
- 4 x 20M XLR
- Various lengths and quantities of Speakon Cable

Microphones

- 5 x Shure SM57
- 4 x Shure SM58
- 1 x Shure Beta52
- 2 x Audix OM2
- 3 x Sennheiser e604
- 3 x Sennheiser e609
- 1 x Sennheiser e614
- 2 x Golden Age Project FC 4 MC
- 4 x Audio Technica ES 935 (2 permanently installed on the lectern)
- 1 x AKG Drum Set Big II (1x AKG D112 4x C518M 2x C1000S)
- 2 x Sennheiser wireless e835 Hand Held
- 4 x Sennheiser wireless SK100 bodypack (with lavalier or headset mics)
- 4 x Sennheiser ew 100 G3 wireless receivers

For larger productions we can hire in additional radio microphones from a local hire company that the venue regularly uses. Please contact Technical Manager for information.

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Audio-Visual

- 1 x 5.5m x 4m projector screen situated directly upstage of Lighting bar 2
- 1 x Panasonic ex500 xga projector permanently rigged centrally on the Lighting bridge
- 1 x 50" Panasonic Plasma with Unicol stand
- 1 x Professional lectern
- 4 x Dell Latitude E5510 laptop
- 1 x SDI reel output DSR to control room
- 1 x SDI output FOH Bridge to projector
- 1 x Sony DVD player in control room
- 2 x Black Magic Mini Convertor HDMI to SDI (1 in lectern position DSR and 1 in control room)
- 2 x Black Magic Mini Convertor SDI to HDMI (1 on FOH bridge above Projector and 1 in control room)

Please note that the laptops have HDMI outputs and no VGA output

Supported hardware: Apple Macbook, Windows based laptops & Apple iPad.

Effects

- 1 x Le Maitre Neutron Star haze machine
- 1 x ADJ Entour Faze Jr haze machine
- 1 x 6/24 channel pyro controller with 3 x double pods

Tie-Lines

There are full audio tie-lines between control room and stage including 4 lines of Cat5e located DSR, and 2 dedicated Cat5e audio lines.

Backstage Facilities and Additional Information

On the ground floor, adjacent to stage left there is a green room with two sofas, tea/coffee making facilities, microwave and a fridge. There is also a washing machine and a separate dryer. Just along from the green room to the left is an accessible toilet.

On the first floor, there are two large dressing rooms. Dressing room one has mirrored seating for 5 and Dressing room 2 has mirrored seating for 7. Both rooms have showers and toilets. On the first floor there is a backstage cross over that can be used as a third dressing room.

At the Front of house there are also three breakout rooms used for conferencing or alternatively can be used for rehearsal space/additional dressing rooms.

The Arts Centre consists of the main house auditorium which is 232 seats end on format with raked seating. When row AA is added the capacity is at 252. The first five rows are retractable bleacher style seating. With the seating out the maximum capacity is 380 (standing/seated mix). There is an induction loop (IR) in the auditorium.

Staffing

The terms of this contract include the services of one professional theatre technician for up to 10 hours in any 24-hour period. Additional working hours for this technician and/or any hours provided by additional staff will be recharged at £10 per hour between 08:00 and 23:00 and £15 per hour at all other times to the nearest 15 minutes. Minimum call for technicians is 4 hours. Work resulting in the loss of a compulsory meal break will be charged at double time.

Rechargeable Items and External Hire

External Hire

Any additional technical equipment and backline instruments/amps can be hired from the venue's preferred local hire company. The hire charges incurred will be recharged back.

Rechargeable Items

Radio Microphones (including Handheld), Followspot, Followspot Operator, Projector, 50" Flat screen TV, Additional laptops, Hazer, Pyro, Flame check and consumables (tape/batteries etc).