

## **TECHNICAL DEPARTMENT**

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Technical and Production Manager

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Please note: Corn Exchange Newbury cannot be held responsible for any costs incurred resulting in information, assumptions or omissions from this document. It is the responsibility of the visiting company to check critical dimensions before visiting the venue. Please check the availability of equipment before planning show needs around it.

## **STAGE**

### **Description**

End on stage, with hard proscenium (Dark Blue).

Maximum performance area is 10m wide x 8m deep.

There is a forestage (normally in position), 10m wide by 1m deep, made up from 5 steeldeck units

Stage surface is flat, no rake.

Four sets of black soft masking legs on both sides of stage

Stage constructed from steeldeck units with oil tempered hardboard on top, painted Black.

Crossover immediately upstage of the stage (at auditorium floor height)

There are steps from both sides of the forestage into the auditorium, which can be removed.

Height of the stage is 1m from the auditorium floor

There is no orchestra pit, but there is some space for musicians on the flat floor area between the forestage edge and the front rows of seating.

Screws, nails, staples and other fixings are not permitted.

Access from dressing rooms on first floor via treads USL and USR. N.B: there is no wheel chair ramp to the stage height, but it is possible to use the load in ramp (approx 1 in 5 gradient) to access USR with assistance.

N.B: Please discuss your staging requirements with the Technical and Production Manager in advance of your visit (esp. relationship of forestage and front rows of audience seating).

### **Dimensions**

Whole Stage Area (wall to wall)	15.2m wide x 8m deep (inc. forestage)
Typical performance space	9.5m wide x 8m deep (inc. forestage)
Proscenium opening	10m wide x 5.5m high (+/- 500mm)
Maximum electric winch bar flying height	6m (from stage floor)
Height to underside of Winch Bars	6m (from stage floor)
Wing widths	S.R. 2.8m, S.L. 2.8m
Forestage size	10m wide x 1m deep

## FLYING SYSTEM

6	Lx Bars (over stage), max. payload 150kg	Length 12m, max flying height 6m
1	Lx Advance truss, max. payload 300kg	Length 12m, max flying height 7m
3	Border Bars with single wipe tracks, max payload 70kg	Length 12m, max. flying height 6m
1	Rear Cyc Truss with 2x single wipe tracks, max payload 300kg	Length 12m, max. flying height 6m

## TRACKS & CLOTHS

1	Blue House Tabs on single triple E track, (hand drawn from stage right)	
1	Black Traveller, (single cloth, wool serge, flat, on rear truss)	10m wide x 6m drop
1	Black Gauze (for use on wipe tracks)	12m wide x 6m drop
1	White cyclorama (filled cloth - on Rear Cyc Truss)	12m wide x 6m drop
3	Black borders - standard set (wool serge)	12m wide x 1.2m drop
3	Black borders - medium drop (wool serge)	12m wide x 1.8m drop
1	Black border - deep (wool serge)	12m wide x 3m drop
5	Pairs Black Legs (wool serge)	2m wide x 7m drop

## STAGING / FLOORS / FURNITURE

4	Rolls of Harlequin Black Dancefloor	10m long x 2m wide
24	Black Orchestra Chairs	
40	Orchestral music stands (15 clip on music stand lights)	
10	Metrodeck rostra – 2m wide x 4' deep (painted black)	44 x 12" and 32 x 18" legs available
1	Aluminium Triangular Truss Lectern	

## PIANOS

- 1 Steinway 'D' Concert Grand Piano (at least 4 weeks notice required if a tuning is needed). It is not possible to remove the piano from stage during a performance.
  - 1 Upright Piano
- NB: piano tunings recharged at cost

## COMMUNICATIONS

- 3 GreenGo Wireless beltpacks
  - 4 Techpro single channel headset
- Paging and show relay system to backstage/dressing rooms - can be controlled from stage or control box.  
 Cue light system and controller  
 Induction loop system (RF) within the auditorium.

## GET-IN ACCESS & PARKING

Get-in via large double doors (3.05m wide by 2.95m high) at street level at rear of building, travel 8m on level floor (through scene dock), up ramp straight on to rear of stage at 1m height USC.

Limited storage space in scene dock

Once loaded in, the maximum of two touring vehicles may be able to remain in the car park. If not, there is a public car park opposite the rear of the building.

Can accommodate 7.5 ton box van under normal circumstances, please check with technical office if a 45' trailer is coming in (power hook up can be arranged with prior notice).

All equipment must be removed from the theatre immediately after the last performance as part of the get-out.

**LIGHTING****Lighting Control**

- 1 ETC IonXE20 12K, 1 x External Touch Screen - DMX distribution via sACN to one, configurable node.  
ipad remote control surface.
- 1 W-DMX Wireless DMX Transceiver (compatible with Smartbats)

**Dimmers**

- 140 ETC Sensor Dimmers comprising: 130 x 3kw & 10 x 5kw

**Power**

200 amp, 3 Phase supply (to house dimmers only - not accessible)  
100 amp t.p.n. independent supply, U.S.R on back wall:  
Distribution to: 63A t.p.n; 32A t.p.n; & 3 x 32A s.p.n. ceeform outlets

**LANTERN STOCK****Profiles**

- 22 E.T.C. Source 4, 575w bodies with the following lens tube options:  
2 x 10°  
15 x 19° (10 of which are rigged on FoH bridge)  
4 x 26°  
2 x 50°  
2 x 70°
- 4 E.T.C. Source 4, Wide Zoom (25 - 50°) 2 x 750w, 2 x 575w
- 11 E.T.C. Source 4, Junior Zoom (25 - 50°) 575w.

**Fresnels & PC (All with barndoors, unless stated)**

- 2 Teatro Acuto Fresnel, 2kw (with barndoors)
- 19 Teatro Tratto 2 Fresnel, 1.2kw
- 6 Strand Cantata Fresnel, 1.2kw
- 10 Strand Cantata PC, 1.2kw
- 6 Teatro Comma Fresnel, 650w

**PAR**

- 21 Thomas Par 64 (can usually guarantee all with CP 62s; and 12 of CP 61; 6 of CP 60)
- 18 Source 4 Parnels

**Cyc lights**

- 4 Selecon Phillips PLCYC1 LED cyc units

**LED & Intelligent Lighting**

- 6 Prolights Diamond 19 Wash lights
- 6 Prolights Ruby FCX Beam lights (fixed beam angle, no zoom)
- 10 ETC Coloursource Par - Deep Blue
- 7 ETC Coloursource Par - standard, with oval beam lens (6 used as pipe ends)
- 2 Prolights Eclipse FC profile
- 4 Prolights Smartbats uplighters (chrome)
- 6 ADJ RGB LED Bars

**Accessories**

- 2 Irises for Source Four profiles
- various gobo holders for profiles (mainly all B size)
- 8 2m high Dance Booms (with 3 x Key Clamp boom arms on each)
- 15 Music stand lights (clip on) + 1 double-width light for conductor
- 1 50cm Mirrorball and 1 rpm rotator (rigged off FOH LX Bridge)

**Cable**

- Limited selection of TRS, 15amp & 16amp Ceeform cable  
Limited selection of 3-pin and 5-pin DMX
- 2 Lectriflex 10m multicores with plug and socket breakout spiders.  
Selection of 13A cables, 4-ways and adapters

**Houselights**

- 20 Chauvet Ovation H605 FC

**NB:** In an effort to reduce our environmental impact, we use recyclable rubber ties for securing and coiling cable. Technical staff are not issued PVC tape. Please provide your own tape to secure any touring cables if they do not have reusable straps.

## **SOUND**

Sound mixing position is off centre, against the side wall of the auditorium (rear of stalls seating). By prior arrangement, the centre of the rear two rows of stalls seating can be held as a sound control position (this takes out 14 seats), at least 4 weeks notice is needed for this.

### **Control**

- 1 Yamaha QL5 Digital Mixer (64 x mono + 8 x stereo; 16 Mix buses, 8 Matrix buses)
  - permanently set up in control position at rear and to the side of the stalls seating.
- NB: this controls all routing and management of the speaker system

### **PA System**

The house P.A system is an L'Acoustics system, comprising of 3 x L'Acoustics 112XT flown in a L,C,R configuration in front of the proscenium arch. Delays into the balcony are 2 x L'Acoustics MTD 108 flown in stereo. Subwoofers are 2 x Logic Systems CS1000SB dual 18" subwoofers. PA system amplification is provided by L'Acoustics and Crest Audio. All system processing and routing is handled through the in house Yamaha OL5.

### **Monitor Amplifiers**

- 1 Martin Audio VIA2004 - 4 channel
- 1 L'Acoustics 4 Channel
- 1 D&B Audiotechnik D12 (For use with D&B MAX 15's)

### **Monitors**

- 3 EM Acoustics EMS M10
- 2 D & B Max 15
- 2 Logic System CM15 coaxial
- 2 Bose S1 Pro (battery powered)
- 2 Mackie SRM450 Passive (with hanging frames)

### **Playback & Audio interfaces**

- 1 Mac mini (2018) loaded with Qlab Pro Audio v.4 (licensed)
- 1 Behringer Uphoria UMC 1820 - 8in/8out + midi
- 1 Motu M2 - 2in/2out + midi

### **Microphones**

- 9 Shure SM58 Microphones
- 1 Shure Beta 87
- 1 Shure Beta 58
- 6 Shure SM 57
- 2 Sennheiser MD421
- 2 Audio Technica AT4033
- 3 Audio Technica pro 45
- 2 Rode NT5
- 5 AKG SE300B (power supplies)
- 3 AKG CK 91 – Cardioid (with VR 92 extension tube)
- 1 AKG CK 92 - Omni
- 1 Audix D6
- 1 AKG D112
- 1 Crown PCC 160
- 1 Sennheiser 4 piece Drum kit pack (3 x e604, 1 x 602)
- 2 Sennheiser e845
- 4 Rode NTG-2
- 2 AKG C747
- 1 Roland CS-15

### **Mic Stands**

- 13 Boom stands (11 black, 2 silver)
- 5 Short Boom stands

### **D.I's**

- 3 Studiospares Active DI Box
- 6 Studiospares Passive 2 channel DI box
- 2 Studiospares Dual DI box

## **STAFFING**

Under the terms of our standard contract we provide two technicians for up to 8 hours (working between 9:00 and 23:00, Monday - Saturday) for the get-in/show/get-out. During the show, one of these must act as Duty Stage technician, and the other as Duty Technician front of house (they can operate sound, lighting or follow-spot as required). All hours above this allocation (i.e. crew in excess of two, start before 9:00, get-out after 23:00, etc.) will be recharged. Please contact the Technical and Production Manager for current rates.

## **ADDITIONAL EQUIPMENT AVAILABLE AT A RE-CHARGE**

**Please contact the Technical and Production Manager for current rates**

### **Audio Visual Equipment**

- 1 Panasonic PT-DZ870 8500 lumens data projector with 0.85 short throw zoom lens (moveable)
- 1 Christie Solaria One Plus 9000 lumens cinema Projector with long throw zoom Lens
- 1 Fastfold Screen - 10' x 7' with front and rear projection surfaces
- 1 Roller Cinema screen - Perlux - Permanently installed in the grid, (NB. Slow and Noisy operation)
- 1 50m Fibre HDMI Cable

### **Effects**

- 1 Chauvet Professional Amhaze ECO - haze machine
- 1 Le Maitre MVS Haze Machine
- 1 Jem ZR 25, dmx smoke machine
- 3 Chauvet DJ Geyser P7 - vertical smoke machine
- 2 Chauvet DJ Cumulus - low smoke machines (require distilled water)

### **Lighting equipment**

- 2 Robe Robin 300 spot (discharge)
- 1 Pani 1202 HMI Follow Spot

### **Radio Mics**

- 10 Sennheiser G3 radio mic bodypack transmitters and receivers
- 6 Sennheiser G2 radio mic bodypack transmitters and receivers
- 2 Sennheiser G3 radio mic hand-held transmitters
- 2 G3 antenna distributor
- 1 G2 antenna distributor
- 2 Sennheiser directional antenna
- 2 Sennheiser omnidirectional antenna
- Mixture of headset and lapel mics available

Corn Exchange Newbury holds a UK Wireless Microphone licence for Channel 38 - 606.500mhz to 613.500mhz

### **Electronic Drum Kit**

- 1 Roland T0-17KVX