

## **TECHNICAL DEPARTMENT**

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## **STAGE**

### **Description**

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

Maximum performance area is 10m wide x 8.2m 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 which can be moved to suit event.

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

Crossover (at audit. floor height) immediately upstage of the stage

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 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 allowed.

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 Head of Technical 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 8.2m deep (inc. forestage)

Typical performance space

9.5m wide x 8m deep (inc. forestage)

Proscenium opening

10m wide x 5.5m high (+/- 500mm)

Maximum hemp bar flying height

10m (from stage floor)

*NB: Hemp Bars are only 7.2m wide, and not useful for flying full width cloths*

Maximum electric winch bar flying height

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 100kg	Length 12m, max. flying height 6m
10	Hemp sets, max. payload 100kg	Length 7.2m, max flying height 10m

**TRACKS & CLOTHS**

3	T70 Wipe tracks, uncorded (rigged on border bars)	approx. 12m travel length
1	Blue House Tabs on overlap track, (hand drawn from stage right)	
1	Black Traveller, (single cloth, wool serge, flat, normally on rear truss)	10m wide x 6m drop
1	Black Fibre optic star traveller, (wool serge – rigged on Rear Cyc Truss)	10m wide x 6m drop
1	Black Gauze (for use on wipe tracks)	12m wide x 6m drop
1	White cyclorama (filled cloth) in good condition (normally rigged 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/Grey Reversible dance floor	10m long x 2m wide
5	Rolls of Harlequin Grey Studio dance floor	10m long x 1.5m wide
28	Black Orchestra Chairs	
38	Orchestral music stands (15 clip on music stand lights)	
1	Conductors podium	
10	Metrodeck rostra – 2m wide x 4' deep (painted black)	58 x 12" and 25 x 18" legs available
2	Cabaret type high Bar Stools	
1	Lecturn (shiny truss type)	

**PIANOS**

1	Steinway 'D' Concert Grand Piano (at least 4 weeks notice required if a tuning is needed).
1	Upright Piano
	NB: piano tunings recharged at cost

**COMMUNICATIONS**

7	Techpro single channel headset
	Paging and show relay system to FOH and backstage/dressing rooms
	Induction loop system (RF) within the auditorium.

Stage Manager's desk (D.S.R or control room only) with 10 station cue lights system & backstage calls.

**GET-IN ACCESS & PARKING**

Get-in via large double doors (3.2m wide by 2.8m 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, small 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**

ETC Ion control desk 4K with 1 x 20 & 2 x 20 fader wings; 2 x screens - DMX distribution via sACN to two, configurable nodes. Kindle fire remote.

### **Dimmers**

- 141 ETC Sensor Dimmers comprising: 131 x 3kw & 10 x 5kw (including 2 used for house lights)
- 12 Strand LD90 5kw Dimmers (including 5 used for house lights)

### **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**

- 10 E.T.C. Source 4, 19° 575 w (permanently rigged on F.O.H Bridge)
- 4 E.T.C. Source 4, 26° 575 w
- 2 E.T.C. Source 4, 50° 575 w (1 x 10°, 2 x 36° & 2 x 70° tubes also available)
- 4 E.T.C. Source 4, Wide Zoom (25 - 50°) 575w.
- 14 E.T.C. Source 4, Junior Zoom (25 - 50°) 575w.
- 6 Robert Juliat 611, Zoom profile (11 - 26°) 1kw.
- 4 Robert Juliat 614, Zoom profile (16 - 35°) 1kw.
- 4 Teatro Tratto wide zoom (22 - 40°) 1.2kw
- 4 Teatro Tratto narrow zoom (15 - 28°) 1.2kw
- 7 Teatro Comma narrow zoom (16 - 28°) 650w
- 7 Teatro Comma wide zoom (22 - 35°) 650w

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

- 6 Teatro Acuto Fresnel, 2kw (only 3 with barndoors)
- 20 Teatro Tratto 2 Fresnel, 1.2kw
- 6 Strand Cantata Fresnel, 1.2kw
- 6 Strand Cantata PC, 1.2kw
- 6 Strand Patt 743 1kw (5 with barndoors)
- 8 Teatro Comma Fresnel , 650w

#### **PAR**

- 44 Thomas Par 64 (can usually guarantee all with CP 62's; and 12 of CP 61; 6 of CP 60's)
- 6 Thomas Par 64 short nose chrome floorcans

#### **Cyc lights**

- 5 Selecon Phillips PLCYC1 LED cyc units
- 6 Thomas single cell cyc unit 1250w

#### **LED & Movers**

- 6 Prolights Diamond 19 wash lights
- 4 Stairville Led Par 64 CX-3 RGBW 18x8w
- 2 Prolights Eclipse FC profile with 26° lens tube

#### **Accessories**

- 2 Irises for Source Four profiles
- 2 Irises for Teatro 1.2k profiles
- 6 Gobo holders for Robert Juliat profiles (B size)
- 10 Gobo holders for Source Four profiles (B size)
- 8 Gobo holders for Teatro 1.2k profiles (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

#### **Cable**

- Limited selection of TRS, 15amp & 16amp Ceeform cable
- 20 "Snapper" 15 amp adapters
- 2 Lectriflex 10m multicores with plug and socket breakout spiders.

## **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
- Allen & Heath GL2400, 6 x aux output (set-up at lighting control position)

### **Playback**

- 1 Mac mini loaded with Qlab Pro Audio v.3 (licensed)

### **Amplifiers**

- 3 L - Acoustics LA4 amplifiers
- 4 L - Acoustics LA24 amplifiers (run Logic wedges)
- 1 Lab Gruppen fp 6400 amplifier (run subs)
- 1 d & b D12 (runs Max 15's)

### **Speakers**

- 3 L - Acoustics 112XT (Flown L,C,R in front of proscenium)
- 2 L - Acoustics Mtd 108 (Delays into balcony)
- 2 Logic Systems CS1000SB, 2 x 18" Subs
- 3 EM Acoustics EMS W10 wedge monitor
- 2 D & B Max 15 wedge monitor
- 4 Logic System CM15 Wedge Monitors (12" Dual Concentric)

### **Microphones**

- 10 Shure SM58 Microphones
- 1 Shure Beta 87
- 1 Shure Beta 58
- 7 Shure SM 57
- 2 Sennheiser MD421
- 2 Audio Technica AT4033
- 2 Rode NT5
- 3 AKG SE300B (power supplies)
- 3 AKG CK 91 - Cardioid (with VR 92 extension tube)
- 1 AKG CK 92 - Omni
- 2 AKG CK98 - Shotgun/Hyper Cardioid
- 1 Audix D6
- 1 AKG D112
- 3 Crown PCC 160
- 1 Sennheiser 4 piece Drum kit pack
- 2 Sennheiser e845

### **Mic Stands**

- 1 Upright clutch stand
- 15 Boom stands
- 5 Short Boom stands

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

- 8 Studiospares Active DI Box
- 2 MTR passive 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. Sunday work, crew in excess of two, start before 9:00, get-out after 23:00, etc.) will be recharged. Please contact the technical office for current rates.

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

**Please contact technical office for current rates**

### **Audio Visual Equipment**

- 1 Fastfold Screen - 10' x 7' with front and rear projection surfaces
- 1 Roller Cinema screen - Perlux (permanently installed in grid) (NB - slow & noisy operation)
- 1 Sanyo PLC XP56 Projector (5000 lumens, standard lens) - normally rigged on centre line in auditorium.
- 1 Sanyo PLC XT25 Projector (4500 lumens, standard & 0.8 lenses)
- 1 Mac mini loaded with Qlab Pro Audio v.3 (licensed)
- 1 Wahlberg DMX projector flaps

### **Effects**

- 1 Le maitre MVS Haze machine
- 1 Le Maitre Neutron Star Haze machine
- 2 Jem ZR 25 smoke machines
- 1 Le Maitre minimalist

### **Lighting equipment**

- 2 Robe Robin 300
- 1 Pani 1202 HMI Follow Spot

### **Radio Mics**

- 12 Sennheiser G2 & G3 radio mics (with mixture of lavelier and headset mics, 1 handheld g3)
- 2 Shure SM58 handheld radio mics