

# **Gala Theatre - Main Auditorium**

## ***Technical Specification for Visiting Companies***

***October 2019 - Version 2***

*Expires July 2020- please do not use this copy  
after this date, as stock items will be changing*

**Gala Theatre  
Millennium Place  
Durham  
DH1 1WA**



## **Auditorium**

Auditorium **maximum seating capacity 512**, comprising of:

- 498 standard seats
- 5 wheelchair positions (concession rate)
- 5 wheelchair carer (free)
- 4 seat positions (held for Follow Spots)

Stalls and Circle face a separated proscenium stage with one lift which gives the options of creating a forestage, orchestra pit or stalls seating area.

Auditorium seating capacity **with forestage or pit** is 449, comprising of:

- 439 standard seats
- 5 wheelchair positions (concession rate)
- 5 wheelchair carer (free)
- 4 seat positions (held for Follow Spots)

All the stalls level seating is mounted on air castor wagon units. These units can be moved to the basement stores using the orchestra pit lift for transport.

Auditorium, Concert Mode (1001 capacity)

By use of alternative plain wagons the whole auditorium stalls area can be converted into an open flat floor level with the stage. This creates an area of approximately 400sq.m, which can be used for exhibitions and events, with a total maximum auditorium capacity 1001 which is based on 800 standing in the stalls and 201 seated in the circle

By using auditorium hoists and the stage area counterweights a framework can be suspended over the flat floor for lighting, exhibition power distribution etc.

## **Orchestra Pit Lift**

The single lift at the stage front can be used for audience seating, as an extension of the stage or as an orchestra pit. The lift links to fire separated areas under the stalls and stage used for storing seating wagons and the flat floor ceiling trusses. The approximate orchestra pit capacity is 48 players.

## **Backstage Accommodation**

Total dressing room capacity 108 maximum

Ground Floor: Dr 1 for 4 persons with disabled WC and shower  
Dr 2 for 6 persons with showers  
Dr 3 for 6 persons with showers  
Dr 4 for 18 persons with showers

First Floor: Dr 5 for 12 persons with shower  
Dr 6 for 16 persons with shower  
Dr 7 for 12 persons with shower  
Dr 8 for 8 persons with shower  
Wardrobe and laundry

Basement: Dr 9 for 26 persons with showers

Green room: 7x6 metre space with sofa and arm chairs with kitchen facilities

### **Get-In**

Stage 0.6m above road level via raised loading bay.  
Space for 1 x 14m articulated lorry and one van to unload under cover.  
Direct access to Stage Door for small deliveries independent of the stage.  
Access measurement of dock door 2.45m x 4m

Passenger/goods lift to basement (orchestra pit) and first floor wardrobe.

### **Stage**

Proscenium opening (width)	10m
Proscenium opening (height)	6m
Depth from back of proscenium wall	11m
Depth of fly tower with full flying	11m
Stage centre line to counterweight frame stage right	9.8m
Stage centre line to stage left wall	10.5m
Stage clear width overall	20.3m
Width between fly galleries	17.2m
Depth from back of proscenium wall to fixed stage front	0.6m
Height to underside of stage grid	15m
Clear height under galleries	6.5m

Variable proscenium black masking can reduce opening in width and height.

Stage surface 6mm oil-tempered hardboard on 25mm ply painted matt black.

House Tabs operation is by flying, not draw, operated manually from counterweight set 1 either at ground level SR or from fly floor.

## **Flying**

49 x 13m long single purchase cross stage sets - 500kg SWL +1.5m sliding extension each end  
1 x up/downstage counterweight set each side - 500kg SWL (Sets 2 & 3)

## **Auditorium Suspensions**

12 x (four sets of three) movable 500kg chain-hoists run on high-level tracks front to back over the auditorium. These are generally used for the suspension of advance truss positions.

## **Production Lighting**

### **Lighting Positions**

1 x Fixed FoH lighting bridge  
1 x Flexible FoH lighting bridge (closest to stage) containing 13 x 15/30 S4 Zooms  
2 x Auditorium perches (1 each side)  
Circle front  
2 x Follow Spot positions at rear of circle left and right - 4 seats held off sale.

## **Control**

ETC Gio 2018 model  
2 x DMX Universes available local  
Additional 8 Universes via art-net node

## **Dimmers**

ETC Colorsource Dimmers  
144 dimmable circuits feeding outlets as follows:

FOH	36	2.5kW
Auditorium Perches	12	2.5kW
On Stage Perches	12	2.5kW
Over Head	50	2.5kW
Stage	22	2.5kW
Circle Front	6	2.5kW
Under stage/Orchestra	6	2.5kW (uses 6 On Stage Channels)

19 x 10amp non-dim circuits controlled from portable panel which may be plugged in at the control room or used at the rear stalls open position.

## **NOTE**

Auditorium House Lighting can be controlled either via wall mounted push button ETC heritage units controlled through a unison system- 1 x 7 programmable button unit in control room and 1 x 6 way button on stage, or directly through the DMX patch.

## Power Supplies

Stage Left	200amp Power Lock 125amp TPN 63amp TPN 2 x 63amp SPN
Sound	3 x 63amp SPN (1 x step to 32amp SPN)
Stage grid	100amp TPN
OB power	200amp TPN in workshop upstage right

## Lighting Equipment

### New LED Generic Rig

12	x	ETC Source 4 Lustr2
7	x	Chauvet COLORado Solo Battens
24	x	Chauvet P56 LED Parcan
25	x	Chauvet F915 LED Fresnel
14	x	Chauvet COLORado Batten 72 Tour LED Cyc Battens
6	x	Showtec Active Sunstrips
2	x	Robert Juliat Roxie2 300w led follow spot with dmx control

### Generic Tungsten lantern stock (please check with the technical department)

24	x	Par 64 Can- (cp62 lamps only)
10	x	Selecon Rama 1.2kW Fresnels
20	x	Strand SL 15/32 Profiles
10	x	Strand SL 23/50 Profiles
6	x	ETC Source Four 25/50 Profiles
2	x	ETC Source Four Profiles – 19 degree
6	x	ETC Source Four Profiles – 26 degree
2	x	ETC Source Four Profiles – 36 degree
2	x	ETC Source Four Profiles – 50 degree
13	x	ETC Source Four 15/30 Profiles

## Chargeable Equipment

2	x	Antari F-5 Fazer - DMX Controlled Hazers
1	x	Jem ZR25 Smoke Machine
1	x	Jem ZR33 Smoke Machine
2	x	Jem Glaciators MkII
5	x	Macbook Pro
2	x	Le Maitre 6 channel Pyro System (standard & angled pods available)
1	x	Magic FX 4 channel Confetti System (2 pods available)
32	x	Sennheiser G4 Radio Mics (24 Belt Packs 8 Handheld)
8	x	Chauvet rogue r3 wash
6	x	Chauvet rogue r1x spot profile

Other Equipment available by quotation

## Communications

Stage Manager's desk sockets located downstage left & right and control room.  
The portable rehearsal desk uses the same sockets.

Communication is provided by a fully installed Tec-Pro Comms system with Headsets/Beltpacks (12 units available) as well as Altair extreme wireless belt-packs. Dressing room show relay and talkback are controlled through the paging points in the control room and at the Stage Manager's desk.

Cue lights - 30 outlets wired or patched to 12 ways on prompt desk.  
Intercom to 41 locations.  
Audio and video show relay to all areas.

Infra red: 1 channel hard-of-hearing, 1 audio description

Video: Show Relay: Colour camera at back of stalls  
Cable infrastructure for additional cameras/monitors to all technical areas.  
Links to building-wide CATV system.

## Sound

Front of House mixer: DigiCo SD9 Stealth Core 2  
2 x D-Racks each comprising 32 inputs and 8 x Outputs

1 x CD Player

1 x Compact Flash Audio Recorder

Control Position: Rear of stalls

Main auditorium PA: Left, Right + Centre – RCF TT22a MKII  
Rear Stalls and Circle Delays – Renkus Heinz SR62 –  
Front Fills – Martin DD6  
Sub 2 x RCF 9006 dual 18's

Monitor Loudspeakers 6 x RCF NX 15-SMA Active Monitors

In addition to the above, we can hire other systems (L'Acoustic D&B etc) at a preferential rate.

## Comprehensive Microphone Stock

### SHURE

- SM58 8
- 58  $\beta$  3
- 57 3
- 57  $\beta$  3

### SENNHEISER

- e604 4
- e845 1
- e865 1
- e914 7

### AKG

- D112 1
- CK91 4 (Heads)
- CK98 2 (Heads)
- SE300B 5 (Bodies)
- C1000S 2 (Condenser)

### CROWN

- PCC 160 2

### D.I. Boxes

- Klark Technic 6 (Active/stereo)

## **Additional notes**

Visiting companies must supply their own gel, though a small stock of Pre-cut colour is available F.O.C.

### Use of Pyrotechnics, smoke, vapour, laser & other special effects

Gala's Technical department MUST be informed prior to the production arriving at the venue that a company intends to use special effects. The full details along with risk assessments must be supplied and in some cases, these need to be passed to the licensing authorities before authorization to use them is granted.

Additional documents available;

- Theatre ground plans dwg
- Theatre lighting plan
- Hanging plot
- Network lighting diagram

## **Contact**

[technical@galadurham.co.uk](mailto:technical@galadurham.co.uk)

Tel: 03000 266610