

Gala Theatre – Main House

Technical Specification for visiting companies

July 2016

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



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 castored wagon units. These units can be moved to the basement stores using the orchestra pit lift for transport.

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 banquets, with a total maximum auditorium capacity of 800.

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 40 players.

Backstage Accommodation

Total dressing room capacity 64.

Ground Floor: Dr 1 for 3 persons with disabled WC and shower
Dr 2 for 2 persons with showers
Dr 3 for 2 persons with showers
Dr 4 for 12 persons with showers

First Floor: Dr 5 for 9 persons with shower
Dr 6 for 11 persons with shower
Dr 7 for 7 persons with shower
Dr 8 for 4 persons with shower
Wardrobe and laundry

Basement: Dr 9 for 14 persons with showers,

The Council has adopted a policy of a total ban on smoking on all of their land and premises. The Visiting Company shall be responsible for ensuring that this ban is strictly enforced.

Get-In

Stage 0.6m above road level via raised loading bay.
Space for ONE 14m articulated lorry and one van to unload under cover.
Direct access to Stage Door for small deliveries independent of the stage.

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 single-purchase counterweight set 1 either at ground level SR or from fly floor.

Flying

36 single purchase 500kg cross stage sets

ONE up/downstage counterweight set each side, 500kg capacity Sets 2 & 3.

Cross stage flying truss length 13m with 1.5m sliding extension each end.

Auditorium Suspensions

TWELVE (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

Two fixed lighting bridges and side galleries in auditorium
Circle front

TWO Follow Spot positions at rear of circle left and right

Control

Grand MA2 Ultra-light

2 x DMX Universes available

Dimmers

Strand LD90

144 dimmable Circuits feeding outlets as follows:

FOH	36	2.5kW	4	5.0kW
Auditorium Perches	12	2.5kW	2	5.0kW
On Stage Perches	12	2.5kW		
Over Head	50	2.5kW	4	5.0kW
Stage	22	2.5kW	2	5.0kW
Circle Front	6	2.5kW (uses 3 Auditorium Perch Channels each side)		
Under stage/Orchestra	6	2.5kW (uses 6 On Stage Channels)		

19 - 15amp. 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 (7 presets available); or via DMX.

Power Supplies

Installed dimmers	400amp TPN
Downstage left	400amp TPN spare 200amp SPN spare (sound)
Upstage Left	125amp 3 Phase 3x 63 amp Singles (LX) Power Lock
Sound	3 x 63 Amp Single
Stage grid	100amp TPN
OB power	200amp TPN in workshop upstage right

Communications

Stage Manager's desk sockets located downstage left & right and control room.
The portable rehearsal desk uses the same sockets.
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
2 x D-Racks each comprising 32 inputs and 8 x Outputs

Tascam CDPlayer x 1
Tascam Pro Mini Disc
Tascam Pro Compact Flash Audio Recorder x 1

Control Position: Rear of stalls

Main auditorium speaker system: Centre cluster and L&R speakers Renkus Heinz SR5/9
Circle and rear stalls in-fills Renkus Heinz SR62
Whole system controlled and equalised by Soundweb Matrix processor

In addition to the above, we have a D&B system comprising:
6 x Q7 + 2 x Q-Subs, all powered by 3 x D6 amplifiers
(there will be an additional charge for using this system)

Monitor Loudspeakers

- 6 x Martin Blackline F12

Comprehensive Microphone Stock

SHURE

- SM58 8
- 58 β 2
- 58 β ULX 1 (HH Wireless)
- 57 2
- 57 β 3

SENNHEISER

- e602 1
- e604 4
- e845 1
- e865 1

AKG

- CK31/HM1000 3
- CK91 5 (Heads)
- CK98 2 (Heads)
- SE300B 5 (Bodies)
- D112 1 (Egg)
- C1000S 2 (Condenser)

CROWN

- PCC 160 3

D.I. Boxes

- BSS AR-133 8 (Active)

Communication is provided by a fully installed Tec-Pro Comms system with Headsets/Beltpacks and dressing room show relay and talkback.

Lighting Equipment

144 Channel Strand LD90 Dimmer System.

36	x	Par 64
4	x	Short Nose Floorcan
28	x	Strand Cantata 1.2kW Fresnels + Barndoors
10	x	Robert Juliat 1.2kW Fresnels + Barndoors
20	x	Strand SL 15/32 Profile Lanterns
10	x	Strand SL 23/50 Profile Lanterns
2	x	ETC Source Four - 19 degree
6	x	ETC Source Four – 26 degree
2	x	ETC Source Four – 36 degree
2	x	ETC Source Four – 50 degree
12	x	Strand 2kW ALTO Long Throw Profile Lanterns (fixed on Rear FOH Bridge II)
10	x	Thomas 4-Circuit 1kW Cyc Flood Units
6	x	Thomas 4-Circuit 1kW Groundrow Flood Units
2	x	Juliet Foxy Follow Spots
24	x	Short Nose Par 64 LED Units (DMX)
6	x	Six-Way Bars of Par 64's

Chargeable Equipment

			Each P/Day	P/Week
2	x	Martin DMX Controlled Hazer	£10	£30
1	x	Jem Fog Machine	£10	£30
1	x	Laptop PC	£50	£100
1	x	Le Maitre 6channel Pyro System (angled & standard pods available)	£30	£60

Other Equipment available by quotation