

Bradford Theatres

ALHAMBRA

ST GEORGE'S

T H E A T R E C O N C E R T H A L L

ALHAMBRA THEATRE TECHNICAL INFORMATION PACK

CONTACT DETAILS:

Alhambra Theatre
Morley Street
Bradford
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Technical Stage Manager: Martin Small tel: 01274 434124
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Technical Electrics Manager: Chris Barlow tel: 01274 432375
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Technical / Finance Office Fax: 01274 432185

Stage Door Reception:
432375

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Manager (Theatre, Concert Halls & Community Arts):
Adam Renton

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ALHAMBRA THEATRE TECHNICAL SPECIFICATION

STAGE LIGHTING EQUIPMENT

Control & Circuitry

Lighting Control Desk: ETC Congo / Stand 520i
Riggers Remote available through a wireless
connection

House Dimmer Protocol: D54

38 x F.o.H. Lighting Circuits, 112 Stage Lighting Circuits

1 - 132	2.5 kW
133 - 150	5 kW

FOH Bar's SWL

Dress Circle: Max load for lighting is 70 kg per metre run (total 280 kg even spread)

Balcony Centre rail: Max load for lighting is 70 kg per metre run (total 280 kg even spread)

Balcony left and right rail: Max load for lighting is 70 kg per metre run (total 140 kg even spread)

Slip position: Max load for lighting is 60 kg per metre run (total 260 kg even spread)

Ceiling Mount under boxes in Stalls: Max load for lighting is 45 kg per metre run (total 90 kg even spread)

Pros Truss Positions: Max load of 450 kg

Lanterns

F.O.H. - Rigged as plan

16 x Robert Juliat 611 11/26 Zoom Profile 1200w

22 x ETC Source 4 15/30 Zoom Profile 750W

2 x Robert Juliat Korrigan Followspot 1200w HMI

Lantern Stock

40 x Harmony 1 kW Fresnel

20x Source Four 750w Profiles (20x 50 degree lens tubes) (4x 36 degree lens tubes)
(4 x 19 degree lens tubes)

18x Source Four 750w Pars with Barn doors

20 x Iris 1 kW Flood (permanent rigged on 18 way IWB)

6 x Par 64

4x 6 way IWB's with Par 64's (permanent rigged)

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Portable Distribution

5 x 18 way internally wired bars
1 x 12 way internally wired bar

Ancillary Power

250 A TPNE Stage level D.S.R.

1 x 250 A TPNE Power Lock
1 x 125 A TPNE Cee form
4 x 63 A TPNE Cee form
3 x 32 A TPNE Cee form
1 x 63 A SPNE Cee form
4 x 32 A SPNE Cee Form
4 x 16 A SPNE Cee Form
1 x 125 A SPNE Cee form

Stage Level D.S.R.

1x 63 A TPNE Cee Form
1x 32 A TPNE Cee Form
1x 63 A SPNE Cee Form
1x 32 A SPNE Cee Form

1 x 400 A TPNE - Fly Floor D.S.R. or
Stage level D.S.R

1x Power Lock

1 x 63 A TPNE D.S.C of Grid

1 x 63 A TPNE Cee form

2 x 125 A SPNE Scene dock

2 x 125 A Cee form

F.O.H. Advance Truss Position

3 Hanging Points; (Auditorium left / centre / right)

Safe Working Load; 500Kg per point (1100lbs)

Distance between outer points:
33' 0"

10.05m

N.B. If minimum length is used then truss may be Flown NO higher than the height of the Proscenium Arch to avoid any damage to the ceiling caused by the toe-in of the chains / steels.

Maximum Length of truss
36' 0"

10.97m

Max length due to the overhang of the auditorium boxes.

If you intend to hang a truss utilising our advance hanging points, please contact either the Chief Electrician or the Stage Manager before your visit.

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Proscenium Booms

Stage floor - Lower box 13' 9"	4.2m
Stage floor - Top box 23' 0"	6.7m
Auditorium floor - boxes(Add to Stage Floor measurements) 4' 3"	1.3m
Pit Floor to Boxes(Add to Stage Floor measurements) 9' 0"	2.8m

SOUND EQUIPMENT

Desk & Stage

Allen & Heath GL3300 - 16-8-2 Mixer
Yamaha DMP7 8:2

72 x Mic inputs around stage area including 2 x 19 way stage boxes - all appearing on Jack Field in control room

6 x Tie line sockets around stage area plus 24 in control room - all appearing on Jack Field in control room

1 x Sony MDS-JE530 mini disc player/recorder (shared equipment subject to availability)

2 x 31 band graphic equaliser (shared equipment subject to availability)

1 x Yamaha SPX 900

Amplifiers

Yamaha PZ2002 main amps drive prosc left (2), right (2), cluster (2), sub-bass L & R (1) plus two floating for foldback.

Crest Audio FA901 power amps drive Stalls, Circle and Gods delays.

Main PA operating with Meyer limiters

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Speaker System

Stalls L & R: -	Meyer UPA 1A (2 per side) Meyer USW 1 sub bass (1 per side)
Centre Cluster: -	Meyer UPA 1A (4 - Mono fed)
Rear Stalls delays: -	ProAc Super Tablette
Dress Circle delays: -	ProAc Super Tablette
Upper Circle delays: -	Galaxy Audio Hotspots
Portable Speaker Outlets: - (EP3 connectors)	8 on stage, 2 in orchestra pit, 12 in auditorium, 2 in flies, 2 under stage
Portable Speakers: -	2 x Yamaha S3225H 2 x Bose 802

Touring speaker stacks can not be positioned on stage as this will create restricted view areas in the auditorium. All stacks should be in the auditorium to the side of the orchestra pit.

Communications

9 x T.P. Beltpacks and Headsets

Sound Mixing Position

Flat Floor area	Width	3.2m
10' 6"	Depth	1.65m
5' 5"	Depth to rear wall	1.95m
6' 5"	Floor width incl. Rake area	5.50m
0"		18'

This position may be increased by the removal of V row. *However, due to the extra loss of seats this information must be given prior to tickets going on sale and must be agreed between a senior representative of the production's management company and Bradford Theatres Programme Manager.*

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STAGE

Dimensions

Proscenium	Width	10.920m	35' 10"
	Height (variable border) Full Out	8.200m	26' 11"
Maximum Stage Width		24.800m	81' 5"
Maximum Stage Depth (apron to rear wall)		18.280m	59' 9"
Width between fly floors		19.500m	64' 0"
S.L. Wing Clear headroom		7.500m	24' 7"
S.L. Wing space		4.206m	14' 0"
S.R. Wing Clear headroom		7.500m	24' 7"
S.R. Wing space		4.206m	14' 0"
Back Stage Clear headroom		7.500m	24' 7"
Floor of stage;	semi-sprung maple strip		
Nil Rake to Stage Floor			

Flying

Depth of usable fly tower (Safety curtain to bar 58)	12.000m	39' 4"	
Maximum Length of Bars	3 - 8	14.250m	46' 9"
	9 - 58	15.700m	51' 6"
bar centers;			Approximately 200mm
Maximum loading evenly spread on bars	500Kg		1100lbs
Distance between Stage to under side of grid	18.000m	59' 1"	

Rigging in the grid

All hangings must be bridleled around the main I beams in the grid not the slats on the grid floor. The distances from centre stage to stage left are 1.63m, 4.63m, 7.63m. and from centre stage to stage right are 1.40m, 4.40m, 7.40m. the width of the I beam is 25.5cm and height is 69cm.

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DRAPES AND MASKING

MAIN HOUSE CURTAIN (TABS)		1 Pair
HOUSE HEADER – FRAMED PANEL		1
HOUSE BORDER PROS BLACK SERGE	1	
BORDER (BLACK WOOL SERGE)	5	Width 15.7 M x
Drop 4.0M		
LEGS (BLACK WOOL SERGE)		4 Pair Width 2.6
M x Drop 9.3M		
LEGS (BLACK WOOL SERGE)		2 Pairs Width 2.6
M x Drop 7.5 M		
FULL BLACK (WOOL SERGE)		1
HALF TAB (WOOL SERGE)	1 Pair	
SIDE MASKING (WOOL SERGE)		
CYCLORAMA WHITE		1
15.7 (W) X 9.5 (H)		
GAUZE(S) Blue, Purple, Red & White		1 of each

Scene Dock

Total Area approx.	100 sq m	1080 sq ft
Side area Clear Headroom	2.550m	8' 4"

Get In

Maximum Height of outer doors (centre of arch)	5.500m	18' 7"
Length of Scenic Lift	9.800m	32' 2"
Width of Scenic Lift	2.400m	8' 0"
Height of get in area above stage	3.200m	10' 6"

Orchestra Pit

Small Pit Area approx.	45sqm	480sq ft
Large Pit Area	75sq m	810sq ft
Pit Floor to Stall Floor Level	1.400m	4' 7"
Pit Floor to Stage Level	2.650m	8' 8"
Two Access doors to under stage crossover		

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Rostra

CARPETED	7 X 8FT X 4FT @ 12 INCH HIGH (A)	2 X 8FT X 3FT @ 18
INCH HIGH (B)	2 X 7FT X 4FT @ 18 INCH HIGH (C)	2 X 7FT X 4FT @ 18
INCH HIGH (D)	2 X 7FT X 4FT @ 18 INCH HIGH (E)	2 X 7FT X 4FT @ 18
INCH HIGH (F)	2 X 6FT X 4FT @ 18 INCH HIGH (G)	1 X 7FT X 4FT @ 18
INCH HIGH (H)		
GATE LEGGED	9 X 8FT X 4FT @ 24 INCH HIGH	

All scenery, props etc must be properly flame proofed, if in doubt consult Theatre's Technical Management

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DRESSING ROOM ACCOMMODATION

LEVEL 1 - STAGE

STAR SUITES:

HUMPTY DUMPTY SUITE) 1. 2 PERSONS (SHOWER & TOILET EN –

CINDERELLA SUITE) 2. 2 PERSONS (SHOWER & TOILET EN –

MOTHER GOOSE SUITE) 3. 2 PERSONS (SHOWER & TOILET EN –

COMPANY OFFICE (ALADDIN) 4. (SHOWER & TOILET EN – SUITE)

5. 8 PERSONS (SHOWER & TOILET ADJACENT)

6. 8 PERSONS (SHOWER & TOILET ADJACENT)

LEVEL 2

7. 7 PERSONS (SHOWER & TOILET ADJACENT)

7A. 2 PERSONS (SHOWER & TOILET ADJACENT)

8. 4 PERSONS (SHOWER & TOILET ADJACENT)

LEVEL 3

9. 9 PERSONS (SHOWER & TOILET ADJACENT)

10. 8 PERSONS (SHOWER & TOILET ADJACENT)

11. 4 PERSONS (SHOWER & TOILET ADJACENT)

12. 16 PERSONS (SHOWER & TOILET ADJACENT)

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UNDERSTAGE CROSSOVER

LADIES BAND ROOM 20 PERSONS
MEN'S BAND ROOM 30 PERSONS

GRAND TOTAL: 122 PERSONS

Extra dressing room accommodation (for up to 20 persons) is available in the adjacent Alhambra Studio. In order to make use of this extra accommodation the Studio must be booked at the time of the arrangement of the hire of the main theatre, please contact the Theatre Programme Manager.