



## **Technical Information**

**The Berry Theatre  
Wildern Lane  
Hedge End  
Hampshire  
SO30 4EJ**

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[www.theberrytheatre.co.uk](http://www.theberrytheatre.co.uk)**

## General Information

**P** = Carries extra charge for professional companies

**H** = Carries extra charge for hirers

## Dimensions

AUDITORIUM	18.70m width x 14.9m length
STAGE	14.8m max width 8.3m max depth 4.78m max proscenium opening 10.22m pros maximum opening
GRID HEIGHT	9.1m
HEMP SET AT GRID	8.90m
LX BAR AT GRID	8.61m
SCENE DOCK DOORS	3.45m x 2.36 m (height x width)
STAGE LOAD IN DOORS	3.40m x 2.29m (height x width)
FLY FLOOR HEIGHT	4.75m (to under floor of gallery from stage level)
DISTANCE BETWEEN FLY FLOORS	11.41m
FLY FLOOR WIDTH	1.72m
ORCHESTRA PIT	10m x 4.0m
Pit constructed by 20 (2m x 1m) adjustable height decking modules	
Configurable as:	
4 rows of seating	
flat floor stage extension	

## Dressing Rooms

Dressing room x3 approximately 4x5m in size.

All dressing rooms (1, 2 and 3) have en-suite toilet and shower facilities, make-up counters and chairs, illuminated mirrors, power points (240v /13amp), costume rails and show relay (audio).

Dressing room 1 is adapted for wheelchair use. It has an iron/ ironing board and a fridge, tea and coffee making facilities and a microwave.

## Seating

THEATRE STYLE	306 maximum with rows A - T on the orchestra pit 276 without rows A - D on the orchestra pit
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## Lighting

### Lighting Positions

ONSTAGE	8 x	6-way IWBs 4 lighting bars - each lighting bar consists of 10 Dimming circuits and 2 non-dim circuits
	2 x	lighting sockets 5x dimming circuits and 2 non-dim circuits

FRONT OF HOUSE	6 x	6way IWBs (3 FOH lighting bars) accessed via tension wire grid
AUDITORIUM	2 x	Lower perches perch L+R of auditorium (2 x dimming, 1x non-dim circuit)
	2 x	Technical Gallery Perches (5 x dimming, 2x non-dim circuits on gallery L+R)
FLY FLOOR	2 x	ETC sensor rack x12 ways 2x6ch soca per rack (stage left and right)
PRODUCTION DIMMERS	96 x	3kw dimmed outlets
	24 x	3kW non-dim outlets
LIGHTING CONTROL	1 x	GrandMa2 ultra-light
CONTROL ACCESSORIES	1 x	ETC rack mounted node
	1 x	GrandMa 2Port node – portable
DMX POSITIONS		DSL and DSR Fly floor L and R Technical Gallery L and R (high perch)

## Lanterns

### PROFILES

- 12 x ETC Source Four Zoom 15° -30° (B-Size Gobo) 8 x Holders, 4x IRIS
- 12 x ETC Source Four Jr 25° -50° (M-Size Gobo) 10 x Holders, 4x IRIS
- 6 x 2k Strand Cadenza - 432

### FRESNELS

- 26 x ADB F101 Fresnel 1200w with Barndoors
- 6 x ADB F201 Fresnel 2000w with Barndoors
- 6 x ADB C103 PC 1200w with Barndoors

### PARCANS

- 16 x Showtec Par64 (CP62/61/60)
- 16 x Thomas Par64 (CP62/61/60)
- 6 x Source four par 750w – Four lenses available WFL, MFL, NSP, VNSP
- 7 x Par 16 long-nose birdie
- 4 x Half hat - compatible with ETC S4 Zoom/ETC S4 PAR/ETC colour source PAR

Please note all socket outlets, IWBs and Socapex are on 16amp termination.

### LED Lanterns

- 4 x LED Altman Spectra 200 CYC floods RGBA
- 6 x LED FLOODS: Lightmaxx Tour Pro Floods 18x8w RGBW. More available on request
- 10 x ETC ColourSource Pars with deep blue array (2x barndoors)  
(Three lenses available 10x 45° medium round and 6x medium oval & 10 x 25° narrow)

## Cables

### 16AMP EXTENSION CABLES

20 x 1.5-2.5m Short  
20 x 5m Medium  
15 x 10m Long  
10 x 15m Ex-Long

### 13AMP EXTENSION CABLES

6 x 5m Medium 2 way  
7 x 10m Long 2 way  
10 x 1.5m 4 way

### 63AMP 1PH EXTENSIONS

1 x 5m  
1 x 10m

### SOCAPEX MULTICORE CABLE

4 x Plug 16amp Fan-out  
4 x 3m  
2 x 5m  
6 x 7.5m  
4 x 10m  
3 x 13m  
3 x 15m

### POWERCON

2 x Short Powercon  
8 x Medium PowerCON

### POWERCON DMX COMBINED

5 x 3pin DMX & Powercon  
Combined 3.5m  
4 x 5pin DMX & Powercon  
Combined 3.5m  
4 x 5pin DMX & Powercon  
Combined 11.1M

## JUMPERS / ADAPTORS

11 x 16amp two-way splitters (Grelco)  
6 x 16amp three-way splitters (Trelco)  
10 x 13amp plug – Powercon  
18 x 16amp plug – Powercon  
10 x 13amp Plug -- 16 amp socket  
10 x 16amp Plug – 13amp socket  
16 x 16amp Plug – 15amp socket  
30 x 13amp to IEC

## 5-Pin DMX

10 x Short 1.5M 5pin DMX  
12 x Short-Medium 3.5m 5pin DMX  
12 x Medium 5M 5pin DMX  
10 x Long 10M 5pin DMX  
2 x Ex-long 30M 5pin DMX

## 3-Pin DMX

8 x Short 1.5M 3pin DMX  
10 x Medium 5M 3pin DMX  
8 x Long 10M 3pin DMX

*Various 5pin-3pin convertors available*

## **EFFECTS**

1 x Look Unique 2.1 Hazer (P) (H)  
2 x Canto 1200 follow spot (*with ballast/tripod/colour mag/iris*) (P) (H)

## **POWER OUTLETS**

Additional stage electrical power is available in various locations of the venue.

1 x 63amp TFN - 3phase (Up Stage Left)  
5 x 63amp SFN - 1phase (Stage Left, Stage Right, Fly Floor Gallery SR/SL, FOH Grid MSL)  
1 x 32amp SPN – 1phase (Stage Right)

13amp outlets situated around the venue

Red Switched 13amp outlets around venue indicate clean power.

# Sound

## Sound Playback / Live

### MIXING CONSOLE

- 1 x Roland RSS M400
- 2 x Roland Digital RSS S-1608 Stage Box (1x Installed in Amp/Patch rack, 1x Portable)

### SPEAKER SYSTEM

- 2 x Full Range Electro-Voice ZX3-60 (FOH Left & Right)
- 4 x Side Fill Electro-Voice ZX1-90 (FOH Lower Left & Right)
- 2 x Martin Audio AQ212 Sub (Fixed in upper galleries)
- 2 x Martin Audio F8 Backline Monitors (*with flying hardware*) (cinema only)
- 2 x Genelec 8020A Control Room Monitors (fixed in control room)
- 4x Electro-Voice ZX1-90 (stage monitors)

### AMPLIFICATION

- 3 x Dual Channel QSC ISA 450 Amplifier (FOH, Fills, Stage Monitors)
- 1x Dual Channel QSC 1450 Amplifier (Stage Monitors)
- 1 x Dual Channel QSC ISA 750 Amplifier (Subs)

### WIRED MICROPHONES

- 3 x Shure SM58
- 3 x Shure SM57
- 2 x Shure Beta 91 (H)
- 2 x AKG SE300B (2 X CK93 Capsule) (H)
- 1 x Shure Drum Microphone Kit (1x PG52, 3x PG56, 2 x PG81) (H)
- 4 x Audio-Technica Pro45 Hanging Microphone

### WIRELESS MICROPHONES (H)

*Installed in patch room rack, monitoring via Ethernet, aerial located SL&SR*

- 4 x Shure QLXD4 Receivers (*installed in patch room rack*)
- 4 x Shure QLXD1 Belt pack with lapel (*rechargeable packs*)
- 3 x Shure QLXD2 SM58 Handheld (*rechargeable packs*)
- 4x Flesh coloured headset mini XLR
- 2x Shure Lavallier
- 2x Pulse Black Lapel

*More wireless microphones are available on request*

### FOH PLAYBACK RACK:

- 1 x Tascam CD Player/Recorder
- 1 x Tascam Minidisc Player/Recorder
- 1 x Denon DVD/Blu-Ray Player

### INTERCOM

- 6 x Tecpro Belt packs & Single Muff Closed Headsets

Intercom Input Locations.

- 2x Control Room - Auditorium FOH Entrances L+R
- DS SL+SR - Auditorium FOH 1<sup>st</sup> Floor Entrances L+R
- US SL+SR - 2x FOH Sound Position
- Fly Floor SL + SR - Technical Galleries L+R

### PAGING SYSTEM

Paging to backstage and dressing rooms via microphone inputs Stage Left, Stage Right and from control room.

#### MISC SOUND ITEMS

- 1 x Short Boom Microphone Stands
- 6 x Tall Boom Microphone Stands
- 4 x Round Base Straight Mic Stands
- 2 x Speaker Stands
- 1 x Behringer Ultra D1 – D120
- 2 x Mono BSS DI Box
- 1 x Beyerdynamic DT100 Mixing Headphones

#### SOUND CABLING

##### XLR Cables – M & F

- 8 x Short 2m
- 10 x Short-Medium 3.5m
- 8 x Medium 5m
- 10 x Long 10m
- 2 x Extra-Long 15m

##### Speakon Cable

- 6 x Speakon Cables – medium
- 2 x Speakon Cable – Long
- 5 x Speakon Cables- Ex-Long

##### XLR Snakes

- 2 x 12 way XLR to XLR snake
- 1 x 8-way XLR to Mono Jack Snake

##### Jack Cables

- 5 x Short 1.5m Jack to Jack
- 1 x Short-Medium 3m Jack to Jack
- 9 x Medium 5m Jack to Jack
- 4 x Long 10m Jack to Jack

##### Audio Adaptors

- 3 x Mini Jack to Phono
- 4 x Mini Jack to Stereo Jack
- 4 x Mini Jack to XLR
- 2 x Male XLR to Jack 5m
- 2 x Phono to phono
- 1x Phono Extension 5m
- 4 x Jack-Female XLR
- 2 x XLR Y-split
- 1 x Phono to Jack

##### ETHERNET

- 2 x Short 0.5m
- 2 x Short 1m
- 4 x Short 1.5m
- 1 x Short 2m
- 3 x Medium 5m
- 2 x Long 10m
- 1 x Ex-long 15m
- 1x Ex-Long 25m

##### ETHERCON

- 2 x Short 2m
- 2 x Medium 5m
- 1 x Long 10m
- 1 x Ex-Long 15m

##### VGA

- 3 x Short
- 2 x Medium
- 4 x Long
- 2 x ex-long VGA

##### BNC

- 2 x Long 10m

#### PROJECTION

- 1 x Christie Projector 6000 Lumen (Inputs VGA, composite and DVI) (H)
- 1 x Projector Front and Back screen (format 4:3 305 x 229) (H)

# Stage Rigging

## FLYING FACILITIES - To full height of 9m

- 4 x Motorised Bars 400kg SWL - LX Bars
- 4 x Hand Winch Bars 250kg SWL Operated from SL Fly Floor
- 9 x Four Line Hemp Bars – 100kg SWL Operated from SL Fly Floor  
Maximum height of 4.6m
- 1 x House Curtain Winch on Track operated from Stage Level SR

## DRAPES & MASKING

- 6 x Black Serge Book Flats (1.2 x 1.2 – 4.4m high)
- 3 x Black Stage Border (11m x 1.5m)
- 1 x Black House Header (14m x 2m)
- 1 x White Cyclorama
- 1 x Pair of Black Tab Travellers on Traveller Track
- 1 x Black Cyc (non-pleated)
- 2 x Black Soft Legs
- 2 x Velour Black Soft Legs

## RIGGING

- 2 x Traveller Track – Split
- 8 x 12.5kg Doughty Stage Weights
- 6 x Extendable Doughty Stage Braces
- 11 x lengths of black sash rope (3x5m, 4x10m 1x25m)
- 6 x C Clamps
- 14 x Standard Boom Arms
- 10 x 200mm Short Doughty Boom Arms
- 5 x 300mm Doughty boom arms
- 6 x 3m Booms (Black)
- 4 x 2m Booms (Black)
- 6 x Doughty Boom Bases
- 15 x H floor stands (wooden)
- 4 x Black Spanset 1Tonne - 1m (H)
- 6 x Black Spanset 1Tonne – 2m (H)
- 6 x Foil Carabiners (H)
- 4 x Black bow shackles 3 1/4 tonne (H)

## STAGE

- 6 x Steel deck (2m x 1m) with 1ft or 2ft legs (H)
- 1 x Stage Lectern (Black truss) (H)

## ACCESS EQUIPMENT

- 1 x Tallescope  
*(to be used in conjunction with the in-house technician and required persons)*
- 1 x Small Zarges Combination Ladder (free standing 2part, max 4.10m /3part ladder, max 5.8m)
- 1 x Large Zarges Combination Ladder (free standing 2part max 6.10m / 3part ladder, max 8.60m)

## Support / Safety

This technical specification should be used as a guide only. The venue does not guarantee the availability of any of the items listed. If you specifically require the use of any of the equipment, prior notification must be given.

## Technical Support

At all times when the theatre lighting and or sound equipment is in operation by any user of The Berry Theatre, a member of The Berry Theatre's Technical department will be available to assist with the installation and operation of the company's performance. Appointments can be made with our technical staff for visits to the theatre space depending on availability of staff and the theatre.

Technical Operators for lighting, sound and rigging of shows are available on request in advance. Please contact the Technical Department with your staffing requirements for get-in, performance and get-out.

## Health and Safety

**The Berry Theatre's Management Team reserves the right to terminate any event.**

All performance companies using The Berry Theatre must ensure and demonstrate if required that they can use and operate the theatre's equipment in a safe and competent manner.

When raising and lowering hemp sets you must make sure that it is carried out by experienced personnel and in a competent manner and that the load is correctly secured, giving an audible warning to stage workers. The load **must not** exceed the SWL of that particular hemp set and **must not** exceed the weight that the operators can safely lift. **ALL** hems when in a static position must be secured correctly; spare hemp must not be left in such a way as to constitute a trip hazard. **No food or drink may be taken onto stage. Only water in plastic bottles may be taken onto the stage.**

All scenery, props, costumes etc must conform to fire regulation standards where appropriate and flame retardants to BS3119/3120 BS476 parts 5,6 & 7 (class 1 & 0). Any equipment brought into the premises must be in a safe condition.

All **rigging using ladders / tallescopes** must be conducted in a competent manner and in accordance with current health and safety guidelines.

No fire or pyrotechnics to be used during a performance without prior authorisation from the Technical Department. Under no circumstance must any fire exit or fire exit route be obstructed both internally and externally. It must be the duty of the responsible person in charge of the company to make their colleagues aware of their nearest fire exit and muster point.

## Electrical Safety

**We may request to see PAT certificates or conduct a visual inspection at any time. The management reserves the right to refuse any equipment being used if thought to be unsafe in any way. Proof of test may be required. If we deem a PAT test is required, then we reserve the right to test and charge for this service.**

Permission to use and advice given by The Berry Theatre Operational & Technical Department does not constitute as legal advice.

It is in the interest of your safety, the safety of your cast, company, audience, guests and The Berry Theatre staff that ALL your electrical equipment is regularly checked and tested to conform to the 1989 EAW legislation. This includes lighting and sound equipment, special effects, extension leads, kettles, hair dryers, portable power tools, illuminated music stands etc.

Further information on electrical maintenance and portable appliance testing can be obtained free in a booklet from: HSE website or The Institute of Electrical Engineers, PO Box 96, Stevenage,



Herts., SG1 2SD.

**Under NO circumstances must equipment or cable belonging to The Berry Theatre be tampered with, adapted or have its connectors removed. Any damaged equipment should be reported immediately to technical staff.**

# The Berry Theatre

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