



The Rosemary Branch Theatre

TECHNICAL SPECIFICATIONS

Correct as of: 2nd October, 2025

Helen Potter, Rosemary Branch Technical Manager (On Leave)

Graham Self, Rosemary Branch (Interim) Technical Manager

The information in this tech spec is provisionally correct at the time of issue. If you foresee your production using specific equipment please inform us in advance so we can check it is still here and functional.

Likewise, if you are unsure how to best meet your show's technical requirements at the Rosemary Branch, please contact us.

Booking and ticket enquiries should be sent to the Artistic Director on laura@rosemarybranchtheatre.co.uk

Technical questions should be sent to the Technical Manager on: tech@rosemarybranchtheatre.co.uk

Please read these specifications thoroughly. You are responsible for your safety and for leaving the building and equipment as you found it, in a tidy and proper state. Failure to do so is a breach of contract and could result in additional charges. You must ask for permission where stated in these specifications.



Stage

The 'playing area' of the stage at the Rosemary Branch is 5m x 5m.

The actual stage area is larger, 6m x 5m, but is restricted by front row patrons.

If you sell above 53 tickets, a row of 8 extra seats can be placed in front of the front row on the stage, but be aware that you will lose another 1.5m approx of stage depth.

See at end of doc: [Performance Area Diagram](#)

Dimensions

Width - 5.1m

Height to Ceiling - 3.5m

Height to Rig - 3m

Depth of Stage - 5.9m

Back Wall of Stage to Back of Auditorium - 11.5m

Access

There is a fire escape in the USL corner of the stage. This door is used as access to the theatre (not audience access) as well as an emergency exit, and it can only be opened from the inside. The staircase leading to this door must not be used as storage or be blocked or obstructed in any way. Otherwise, access to the theatre is up a set of stairs from the pub downstairs.

Any scenic elements brought into the theatre must come up the fire escape stairs (not through the pub) and should fit through a standard door measuring 2100mm x 800mm or 80 Inches by 30 inches.

Entrances

There are two entrances onto stage, one is a small corridor running alongside the auditorium right hand seating bank from a door around the back of the box office desk (comes out DSL.) The corridor is separated from the auditorium via scaffolding and black cloth, so performers will not be seen but may be heard. It is also possible to enter the stage via the central aisle, coming through the audience.

Safety & Usage



Any scenic materials must be structurally sound, properly safeguarded and flame checked. A risk assessment must be sent to helenpotter.rosemarybranch@gmail.com a minimum of one week before your first show date. We do have a risk assessment template available should you need one. Any electric appliances you bring must be PAT tested.

The list of hazards which require risk assessment includes, but is not limited to:

Fire, liquids, scenery, hanging objects, on stage electrics, audience participation, wires etc.

Please DO NOT hang anything from the rig without contacting Helen for permission first. This MUST be communicated in advance of your time in the theatre. You must have the size and weight specifications, and how and where you wish to attach it to the rig.

Walls & Floor

The walls and floor of the theatre are painted black. They may not be repainted. Do not drill into the walls or floor and do not put nails/hooks/fixtures/tape on the walls. If you temporarily affix anything to the walls and the paintwork is damaged at all, you must return it to its original condition or we will charge you for the time to repaint (with a one-hour labour minimum.) There is spare black paint and brushes in the cupboard under the sink in the dressing room. Please wash the brush after use and seal the paint properly.

Seating Configuration

The theatre seats 53 patrons.

For sold out shows, 8 extra folding chairs can be made available as an extra front row reducing the playing area space, and increasing the seats to 60/61.

Access

The Rosemary Branch is situated in an old Victorian music hall. It is on the first floor above a pub and despite attempts by the owners, there is nowhere for a lift to go. Audience members with mobility issues are given as much help as possible, they are welcome to take their seats early and get comfortable before the rest of the audience arrive. We deeply regret that we have no proper wheelchair access but we do have space for a wheelchair if that is a viable solution for an individual.

Air Conditioning

The auditorium has two air conditioning/heating units. They make a low level hum when in use. In our experience, audiences are far more likely to enjoy their experience if they are neither too hot or cold.



Plug Sockets

There are four 13A plug sockets located around the stage at floor level (two double sockets.) We have some extension cables available should you need any, but bring your own if you anticipate needing a lot. Wires should be taped down for safety, especially if they cross any area where the audience may walk to access their seats.

Technical Area

Please be aware that the technical operating area is at the back of the audience and approximately 6m from the front of the stage area. If you wish to plug in any extra equipment to the sound desk, or operate from the stage, you will need cables that can reach the desk. We do not provide extra cables for this.

Sound

PA

There are two large Eurolive B212A speakers rigged above the stage, halfway down. They are powered by an IEC distributor on the shelf above the tech position. We do not have monitor speakers.

Microphones

We have two wired SM58's, mic stands and clips. We have one XLR cable coming out Centre Stage under the steps, and one for Stage Left, that can be found coiled up and hung on a hook just under the seating about halfway down the stage left corridor. Both cables reach across the majority of the stage. If you need additional XLR cables, please bring your own.

DI Box

We have one passive DI box at the sound desk with one input, one output, and one parallel output. There is a long 1/4 inch jack-to-jack cable already plugged in that comes out Centre



Stage under the steps for you to plug in one instrument - this cable reaches across the stage. The DI Box model can be seen [here](#).

Laptop/Phone

There is an RCA to 3.5mm Jack cable (standard headphone aux) plugged in to the sound desk, through which you can attach a phone or laptop to play sound (to the aux end of the cable.) Please bring any adaptors you may need (eg. Apple phones now often require an adaptor etc.) Please note we do not supply a device for audio playback so you must bring your own.

Sound Desk

There is a sound controller that has 6 XLR/ 1/4 inch Jack input channels, 4 Line-in inputs, and stereo output to both speakers. A manual for the sound controller with detailed information on all inputs/ outputs can be found here: [Mackie 1402-VLZ PRO Manual](#)

Lighting

Dimmers & Power

There are 19 channels of dimming distributed between 4 6-channel dimmers under the tech box accessible via a trapdoor in the centre aisle of the seating bank.

One channel is always used to dim the houselights.

Hardwired 15A sockets are located in groups on both side walls of the stage at rig height. Please do not unplug fixtures from these sockets. **See at end of doc: Circuit Diagram**

The LED fixtures are powered via a 13A socket above the tech box that leads to extensions in the rig. The DMX cable from the lighting board leads down to the dimmer racks, and then up into the rig at a central point to a DMX splitter. There are then 3-pin and 5-pin outputs being used for the LEDs.

Standard Rig



We provide a standard rig with several specials and 10 multi-colour LEDs. You may add/change gel colours to the tungsten lights with prior permission from the theatre but everything must be returned to its original state once the production is over (or after each show if you are sharing the space with other shows throughout your run.) If lanterns are not left in their neutral colour and position, you will be charged for the time to reset the rig (with a one-hour labour minimum.)

We do not allow the rehangings of any lanterns (do not move any of the lights from their position in the rig), and limited refocusing may be allowed in consultation with the venue. Please alert us if you wish to refocus any lights. [See at end of doc: Rig Plan](#)

Standard Channels

Channels 1-16 are used for the standard tungsten rig, channel 24 is always used for the houselights. Channel 22 & 23 are fixed to two source 4 profiles. Channels 25 - 90 are allocated to the LEDs which are patched in as individual channels (not as fixtures). A channel list for programming can be found at the bottom of this document, and in the purple tech folder in the theatre, along with a numbered rig diagram.

Do not change any channels or DMX patches. Any changes, even by accident, will result in time being charged for it to be fixed at a minimum of one hour and will likely cause major issues for following shows. [See at bottom: Standard Rig Channels](#)

Desk

The Lighting Desk in use is a Zero88 Jester TLXtra lighting desk. It connects to the dimmers via a Demux unit.

You can find a manual for the desk here:

<https://zero88.com/storage/downloads/5ebda1d3-7348-4727-ae31-fecedf299a46/Jester-TL-and-TLXtra-Manual-3.0.pdf>

We also have a printed copy in the theatre should you need it and there are multiple forums and videos online with tips and tricks for programming. We also have a selection of pre-programmed submasters so that shows can be operated live with the physical faders without the need for programming.

Effects

Projection

We have an Optoma H183X Projector permanently fixed in our standard rig. The projector can't be moved or taken down. The image projected onto the back wall is of a good quality and the size/zoom can be adjusted through a menu using the remote or manually on the projector itself (we have a ladder available).

We do not have a white screen for projection. The projector is focussed to hit the black back wall and is set to its 'blackboard' setting. Please adjust your stage lighting accordingly to avoid washing out the image when in use.

Brightness	3,200 Lumens (ANSI) ¹
Resolution	1280x800
Aspect Ratio	16:10 (WXGA)
Contrast	25,000:1 (full on/off)
Display Type	2 cm DLP x 1
Color Wheel	6 segments
Color Processing	10-bit
Video Modes	720p, 1080i, 1080p/60, 1080p/24, 480p, 480i
Data Modes	MAX 1280x800
3D Modes	<u>Full HD 3D</u>

The projector specifications are as follows:

We cannot provide a computer to run video playback. If needed, one must be provided by your company. We have both an HDMI and VGA cable running to the projector. An Apple Mini



DisplayPort (thunderbolt) to VGA adapter is provided, if your laptop has other ports you will need to provide your own adapter. Please note, most Apple Macs now do not have an HDMI port, so please do check which adaptor you will need and organise this in advance

Smoke Machine/Haze

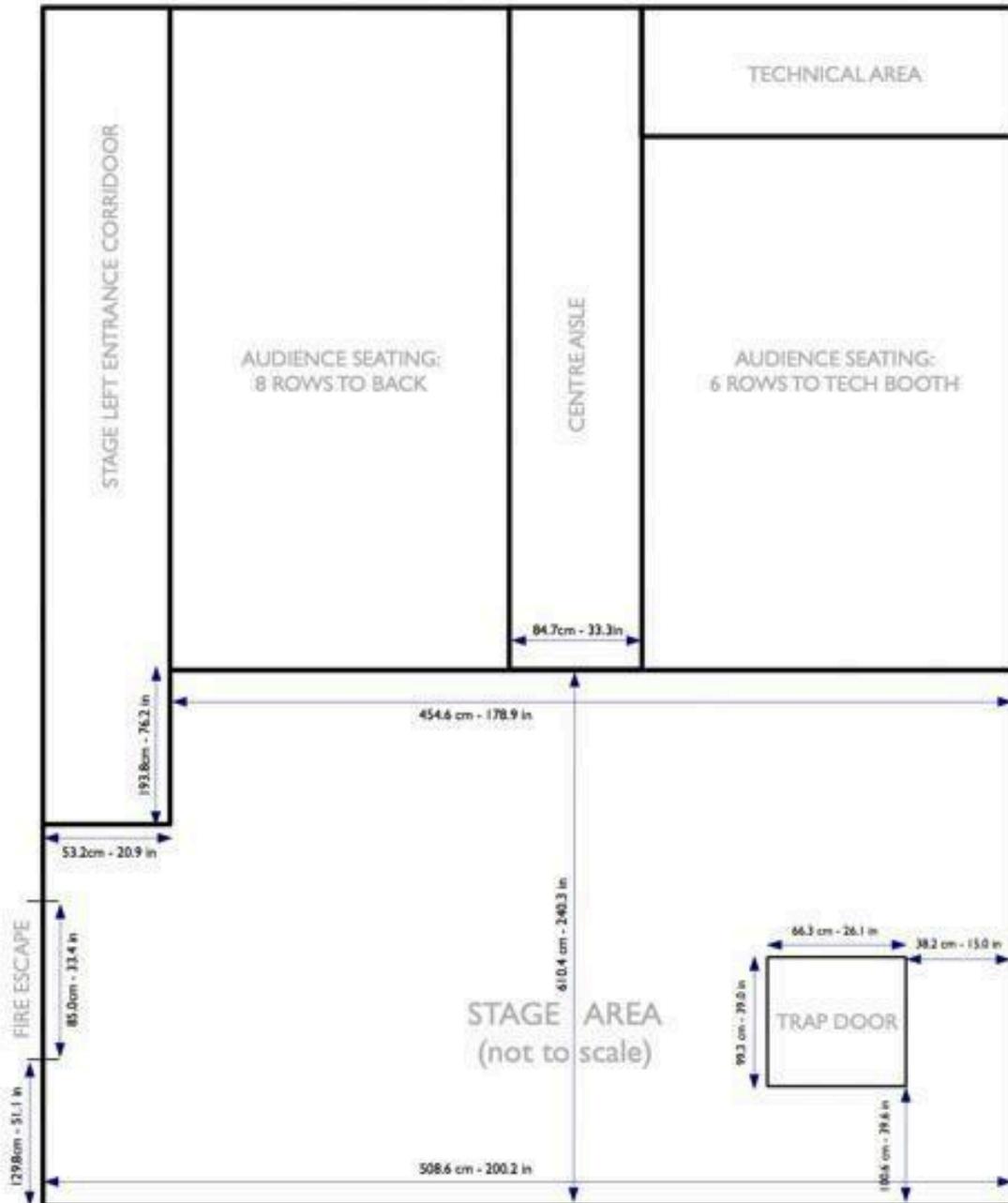
Due to fire safety restrictions smoke detectors on stage can't be covered or deactivated. Therefore the use of any smoke machines, haze, vapes or cigarettes on stage is not possible. Fire is also not allowed. Our smoke detectors are connected to the system across the whole building, including the pub, so this is non-negotiable.

Ground Plan

ROSEMARYBRANCH
theatre

PERFORMANCE AREA DIMENSIONS

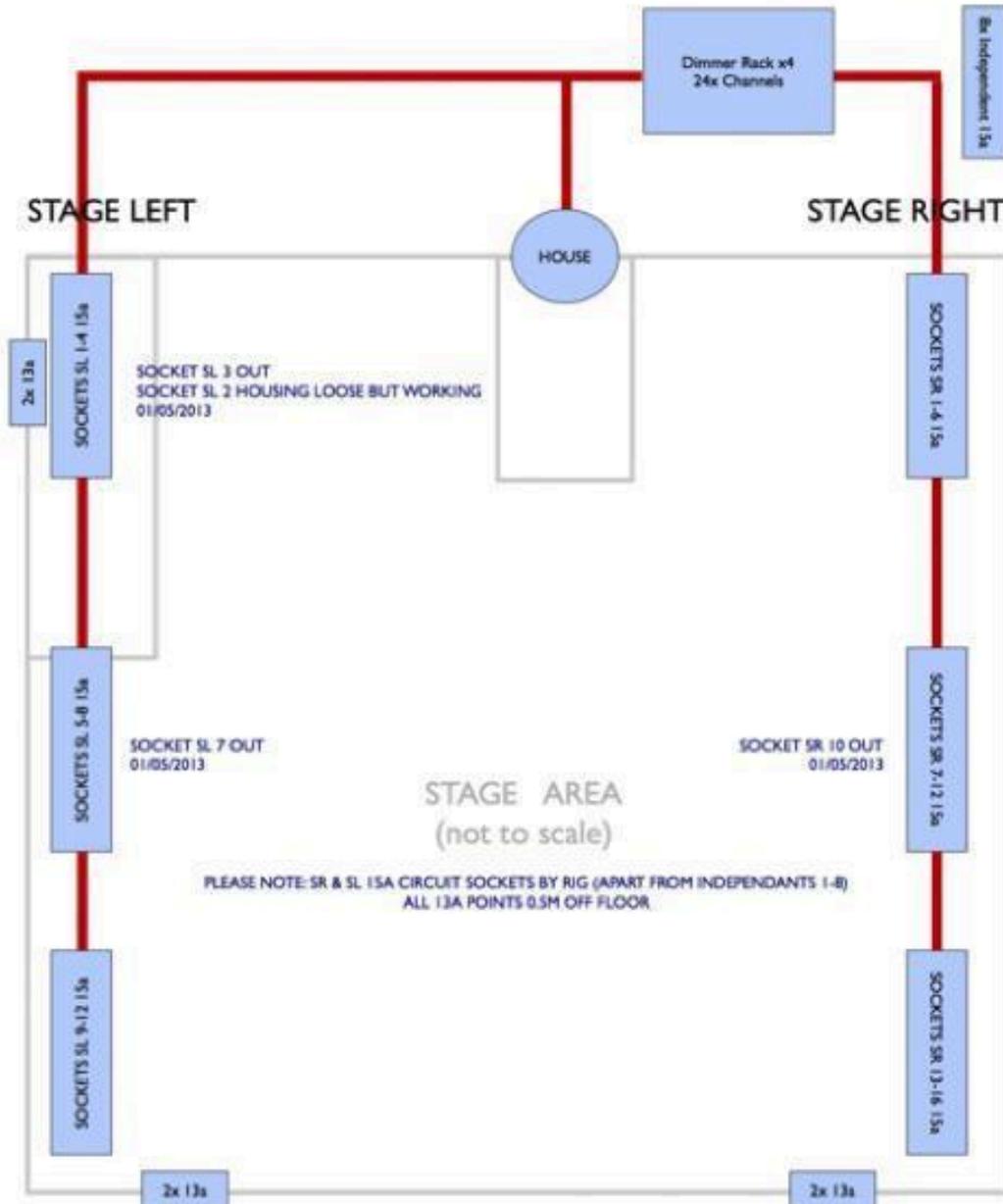
Date of Issue: 13/03/2012
Author: James Secondé



ROSEMARYBRANCH theatre

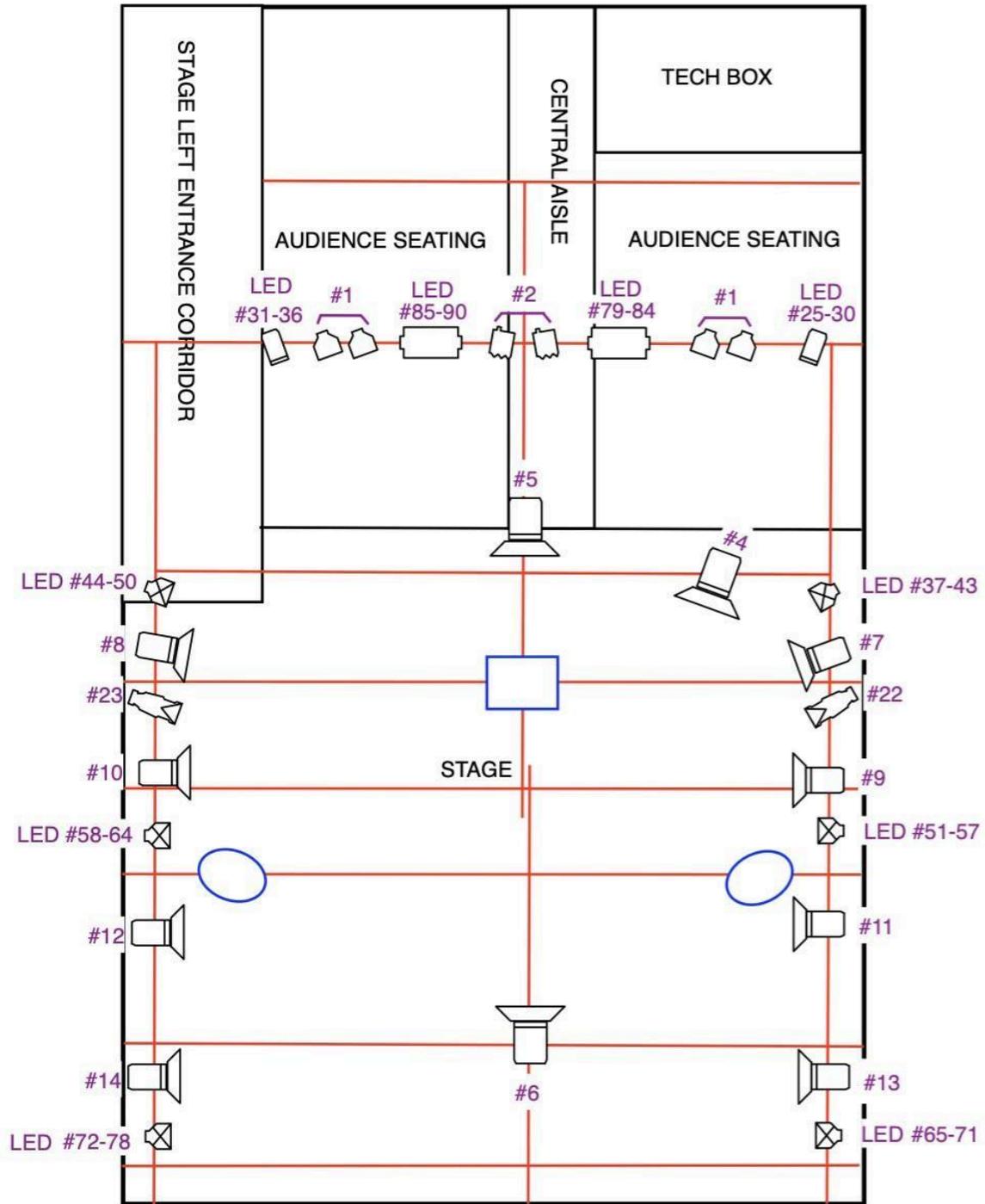
ELECTRICAL CIRCUIT LAYOUT

Date of issue: 01/05/2013
Author: James Secondé

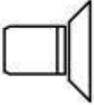


Circuit Layout

Rig Plan



Lighting Key

-  Source 4 PAR Fresnel
-  Microspot Fresnel
-  Strand Quartet Fresnel with Barn Doors
-  ETC Source 4 50 degrees
-  Colortran Fresnel
-  Equinox Cabaret Colour (LED Flood wash)
-  BeamZ Pro BTF440Z COB LED Fresnel (LED Colour Fresnel)
-  eLumen8 Alu Quad Par 64 MKII (LED Colour Par Can)

-  Optoma Projector

-  Speakers (Behringer EUROLIVE B212A)

Standard Rig Channels

Label	Channel	Lantern	Focus	Notes
General Wash (warm)	1	Source 4 PAR Fresnel	DSR	
		Source 4 PAR Fresnel	DSR	
	2	Micro Spot Fresnel	DSC	
		Micro Spot Fresnel	DSC	
	3	Source 4 PAR Fresnel	DSL	
		Source 4 PAR Fresnel	DSL	
CS Pickup	4	DTS Theatre Spot	CS	Gel colour can be changed
Centre Spot	5	DTS Theatre Spot	CS	Warm Gel
Sidelines	7&8	Strand Quartet Fresnel	DS	Barn Doors
	9&10	Strand Quartet Fresnel	CS	Barn Doors
	11&12	Strand Quartet Fresnel	USC	Barn Doors
	13&14	Strand Quartet Fresnel	US	Barn Doors
Back Spot	6	Strand Quartet Fresnel	CS	Barn Doors
Profile 1	22	Source 4 50 deg	USL	Profiles can be used as specials (focus and shape of beam is adjustable)
Profile 2	23	Source 4 50 deg	USR	
Houselights	24	Festoons Warm	Audience Seating	Never to be altered

LED Channels

Lantern	Channel	Function	General	Notes
Stage Right Fresnel (BeamZ Pro BTF440Z COB LED Fresnel Theatre Spot Light - RGBW)	25	Master Dimmer	Special - can be refocussed for a colour spot	Must be up to see light (0-100%)
	26	Red	Colours can be combined for further colours (eg. 26+28 will make purple)	
	27	Green		
	28	Blue		
	29	White		
	30	Strobe		Speed at 0-100%
Stage Left Fresnel (BeamZ Pro BTF440Z COB LED Fresnel Theatre Spot Light - RGBW)	31	Master Dimmer	Special - can be refocussed for a colour spot	Must be up to see light (0-100%)
	32	Red	Colours can be combined for further colours (eg. 26+28 will make purple)	
	33	Green		
	34	Blue		
	35	White		
	36	Strobe		Speed at 0-100%
Down Stage Right PAR (eLumen8 Alu Quad Par 64 MKII)	37	Master Dimmer		Must be up to see light (0-100%)
	38	Strobe		Speed at 0-100%
	39	Red		
	40	Green		

	41	Blue		0-100% produces disco functions fade/snap
	42	White		
	43	Macros		
Down Stage Left PAR (eLumen8 Alu Quad Par 64 MKII)	44	Master Dimmer		Must be up to see light (0-100%)
	45	Strobe		Speed at 0-100%
	46	Red		
	47	Green		
	48	Blue		
	49	White		
	50	Macros		0-100% produces disco functions fade/snap
Centre Stage Right PAR (eLumen8 Alu Quad Par 64 MKII)	51	Master Dimmer		Must be up to see light (0-100%)
	52	Strobe		Speed at 0-100%
	53	Red		
	54	Green		
	55	Blue		
	56	White		
	57	Macros		0-100% produces disco functions fade/snap
Centre Stage Left PAR (eLumen8 Alu Quad Par 64 MKII)	58	Master Dimmer		Must be up to see light (0-100%)
	59	Strobe		Speed at 0-100%
	60	Red		

	61	Green		
	62	Blue		
	63	White		
	64	Macros		0-100% produces disco functions fade/snap
Up Stage Right Back Wall PAR (eLumen8 Alu Quad Par 64 MKII)	65	Master Dimmer		Must be up to see light (0-100%)
	66	Strobe		Speed at 0-100%
	67	Red		
	68	Green		
	69	Blue		
	70	White		
	71	Macros		0-100% produces disco functions fade/snap
Up Stage Left Back Wall PAR (eLumen8 Alu Quad Par 64 MKII)	72	Master Dimmer		Must be up to see light (0-100%)
	73	Strobe		Speed at 0-100%
	74	Red		
	75	Green		
	76	Blue		
	77	White		
	78	Macros		0-100% produces disco functions fade/snap
Flood Wash Stage Right (Equinox Cabaret Colour)	79	Red		
	80	Green		
	81	Blue		

	82	White		
	83	Master Dimmer		Must be up to see light (0-100%)
	84	Strobe		Speed at 0-100%
Flood Wash Stage Left (Equinox Cabaret Colour)	85	Red		
	86	Green		
	87	Blue		
	88	White		
	89	Master Dimmer		Must be up to see light (0-100%)
	90	Strobe		Speed at 0-100%