



Merlin Theatre Tech Spec

The information contained in this document is for the use of users, hirers and artists offered by the Merlin Theatre. Please note that specifications contained in this document are correct at the time of issue and are subject to change and availability. Additional crew, other than a duty technician and additional equipment are subject to recharge

Access:

Level access to stage, entrance SR. Scene dock **1.6m wide, 4m high** with parking for load in. Two dressing rooms, both with toilet and shower. Disabled access via scene dock. Dressing Room 2 has kitchenette. Both dressing rooms are no smoking. Parking is available at the rear of the building free of charge.

Please be aware of The Merlin's Health & Safety Policy for visiting company's

Measurements:

Depth of stage (from setting line to CYC)	7.9m
Depth of stage (from front row to CYC)	10.7m
Width of stage	9.7m US, 19m DS
Width of pros opening	9m
Width between legs	6.6m US, 8.6m DS
Grid height	5.5m

Auditorium:

Seating capacity	241
Removable seats	26
Wheelchair capacity	13 (A1-15, E1-2, K1-4, K25- 29)
Depth of auditorium	9.6m
Width of auditorium (60 degree fan)	20.4m max, 9m min
Height from stage to back row (20 degree rake)	3.1m
Hearing induction loop throughout auditorium	



The stage floor is Smooth satin black wood. Some dance companies find the surface suitable for dance while other prefer to bring their own dance floor. The theatre does not own any dance floor.

NB: Please note that there is no pass door or internal route from backstage to FOH. The Merlin Theatre stage is a non-smoking area, unless authorisation is given. Free WIFI is available throughout the building.

SOUND EQUIPMENT

Sound can be operated either at the rear left of the auditorium or the control room

Playback / FOH system

1 x Allen & Heath GLD 80 + and
1 x AR 84 stage box
1 x AR 2412 box
2 x Denon DN-C630 CD player
3 x MC2 T1000 (2 × 500W) Power Amplifiers (Installed for FOH PA)
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1 x Yamaha P1500 (Surround Sound Only)
2 x Martin Blackline F12 Full Range monitor speakers
4 x Martin Blackline F12 Full Range FOH speakers
2 x Martin Blackline S15 Sub Bass FOH speakers
2 x Martin Blackline F8 Full range (Installed for surround sound)
30m multicore (24 sends and 4 returns, all XLR)
CAT5E to stage from control room and auditorium sound position

Microphones

4 x Shure SM58 vocal microphones
4 x Shure SM57 general purpose microphones
2 x Rode NT1-A condenser microphones
4 x Sennheiser G3 EW100 radio microphones
2 x Audio Technica ATM33a microphones
2 x BSS AR-133 Active D.I. box



2 x Single D.I. box
8 x Boom microphone stands
2 x Low level boom microphone stands
2 x Audio Technica rifle mics (installed – feeds induction loop, show relay, FOH support)

A/V Equipment

1 x 2020 Mac Mini (M1) (Qlab 4 Free edition) with video out to projector
1 x NEC PA 500x projectors
1 x Denon Blu Ray Player
Ice crypt Satellite Receiver
1 x Denon DN-700AV receiver
2 x DMX Shutter (One installed over NEC Inhouse Projector)

Power

13A sockets available SL / SR
32A single phase sound supply DSL (Runs In House Amps)
Of the 24 additional dimmers some can be set to non-dim power (Channels 79-84) on the chilli dimmer pack. The outlet for those channels is situated in a facility box on the grid at the USR corner

Lighting Equipment

Control

1 x ETC GIO @5 desk,4000 outputs with one external monitor and built-in touch screen.
1 x iPad Riggers Remote
4 x Zero88 Chilli 24-10i Dimmer racks
1X Showtec IEC Dimmer (13A Plug)
72 circuits allocated as on plan + 24 additional



6 x DMX outlets around stage
House lights operated from 4-stage panel in control room or lighting desk or via DMX

Lanterns

12 x Strand Cantata 26/44 Profiles 1.2K
12 x Strand Cantata 18/32 Profiles 1.2K
18 x Selecon Compact Fresnels 1.2K
10 x Strand Cantata Fresnels 1.2K
4 x Strand Cantata PCs 1.2K
16 x Parcan CP62 1K
4 x Parcan 56 (IEC Plugs)
3 x Coda Flood Batten (each 3 x 500W cell)
6 x ETC Source 4 zoom 25/50 profiles
6 x ETC Source 4 Zoom 15/30 profiles
2 x Martin Mac 700 Profile
4 x Robe LED Wash 600
4 x Birdie (GU10)

Misc

Selection of irises and gobo holders (A & B size)
6 x Tank Traps & Poles (2m height)
Limited stock of gel (Lee filters only)
Selection of gobos (A & B size)
Extra scaff / rigging equipment available
6 x doughty stage weights
1 x Mirror Ball



1 X Le matrie Haze Machine
1 X Strobe Light

Stage Management / Communications

Show relay to backstage & control room
Backstage calls (from prompt corner)
Tecpro dual circuit Master Station (DSL) with headset
6 x headset / beltpack
Comms points in control room, auditorium and stage wings
White cyc as rear wall of stage
FOH tabs (red) on setting line, SR operation
4 x pairs of legs (black) on swivel
Rear tabs (black) 1.6m DS of CYC with SR operation
Crossover – either through rear corridor, or US of rear tabs
NB: There is no in house borders to mask the grid

House Rules

- No Smoking inside the building – Please use dedicated smoking areas
- Visiting company members MUST sign in
- Any incoming electrical appliance MUST have a valid PAT Test
- No glass to be taken on stage
- All visiting company members to be aware of the evacuation procedure
- Any accidents must be reported to the duty technician or duty manager
- All fire exits must be kept clear and fire doors not propped open
- Access to ladders & working at height MUST be approved and supervised by a member of house staff



- All flying operations will require a minimum of two persons present
- The Theatre reserves the right to monitor and if necessary, limit the sound levels for any given performance
- No Smoke / Haze to be used until the duty tech has been informed
- NO Access to the grid when a performance is on. When access is required people below must be informed and wear hard hats.

Working Regulations

- No Alcohol to be consumed before or during the event
- The Working Time Regulations 1998 an 11-hour break between working shifts must be scheduled for all staff members. Suitable breaks must be scheduled to ensure the health and wellbeing of all staff.
- All working crew must wear suitable PPE where necessary and steel toe cap safety footwear

All crew must be competent, well rested and sober, the visiting company must provide a suitably competent person to supervise the unloading and loading of trucks. The Merlin Theatre reserves the right to delay any activity that it deems unsafe until sufficient crew can be deployed.