



New Diorama Theatre
Technical Specification
Revision 4, June 2023

Revision

Revision No	Revision Date	Author	Revision
1	October 2022	Adam Jefferys	Reformat and Basic Info
2	December 2022	Adam Jefferys	Updated Content and Basic Info
3	March 2023	Adam Jefferys	Updated Lighting Equipment
4	June 2023	Jonas Georgsson	Masking, General Updates

STAGING

Dimensions

The theatre can be configured to have different seating capacities by removing or adding the front two rows of seats. This will affect the playing space. Note at full capacity of 81, there the front two rows are on the same level as the stage. While capacity of 59 is possible, this required discussion at a contractual level in advance, given the significant impact on box office revenue.

Depth	With 59 Seats	6.2m
Depth	With 70 Seats	5.5m
Depth	With 80 Seats	4.8m
Depth	To Fire Corridor	4m (max depth for permanent scenery)
Width		8.15m (US Wall) / 7.3m (DS)

Overall Theatre dimensions (with seating bank retracted): 8.15m x 10.8m at widest point / 7.3m x 10.8m at narrowest point.

Height to bottom of truss 4.7m.

Masking

Hard Masking:

3x Black flats 1.2m x 3.6m - wood frame, 5.5mm ply face.

Soft Masking:

1 x Rear CYC

SER01	60"IFR STANDARD SERGE BLACK
Size	6 w x 4.68 m drop (6 w = 6 widths = approx 8.7m finished width after seams etc) Vertical Seams
Top	Single Web & Tapes @ 300mm
Side	25mm Hem (turn once)
Base	150gm Lead Tape Pocket

2 x Side CYC

SER01	60"IFR STANDARD SERGE BLACK
Size	Each 3 w x 4.68 m drop (3 w = 3 widths = approx 4.35m finished width after seams etc) Vertical Seams
Top	Single Web & Tapes @ 300mm
Side	25mm Hem (turn once)
Base	150gm Lead Tape Pocket

Stage

The stage is painted Flints matt black. It is possible to paint the stage to suit your show but must be returned to the original matt black as part of your get out. Screwing into the stage floor is possible but must be kept to a minimum. The back wall of the theatre is not load bearing; nothing can be fixed into it. Any painting or fixing into the theatre walls or floor must be discussed prior to your arrival.

Control Room

Level 2 above the stage, Stage right.

Both lighting and sound are controlled from here.

Cat5 Tie lines to auditorium for Control.

There is a video and sound relay in the control room.

.DWG Files are available upon request.

LIGHTING & ELECTRICS

Lighting Control

- ETC ION Xe
- Eos FW 20
- 4-Way DMX splitter – each output has 3 and 5-pin DMX.

Dimmers and Power

- 5x Zero88 Beta Pack's - 29 Dimming channels (18 channels at 2kw per channel 11 channels at 1kw per channel.)
- 4x 16a Sockets providing hot power to the grid.
- 2x Zero 88 alpha pack's - limited to 13a mains.
- Separate House light dimmer.
- Power in the control room is 4x 63a single phase sockets, additional distro and dimmers can be added as long as correct power calculations have been made and is discussed with us prior to your arrival.
- 13a Power available at stage level.

Lantern Stock

- 2x Robe575 Wash AT Zoom
- 12x Selecon Acclaim Fresnel (650w)
- 8x Chauvet Ovation F-415FC Fresnel
- 8x Chauvet P-56FC Parcan
- 8x Stairville LED Flood panel 150 40° RGB
- 4x Equinox RGB Power Batten MKII
- 4x Chauvet SlimPar RGB
- 8x ETC Source Four JR 25-50 (575w)
- 6x Selecon SPX Zoom Profile 25-50 (600w)
- Unique 2.1 Hazer

SOUND & VIDEO

Sound

- Behringer X32 Compact
- 2x Yamaha DXR 12 – 12” inch active speaker
- 2x Flying frame with Half coupler
- 1x Alto 15” 1200w subwoofer (under seating bank)
- 2x JBL Control One 2-Way passive speaker
- 1x QTX QA400 power amplifier
- 3x Shure SM58 Microphone
- 30m 8-In/4-Out XLR Stagebox

Please note: The active Yamaha speakers are rigged in our slips position. They can be placed in other locations but must be returned as part of your get out.

Video

- Epson EB-735U (7000 Lumen Laser Projector).
- Cat5e over HDMI Extender.

Playback

Apple Mac Pro 2013, 3.5Ghz 6-Core, 32GB Ram, Running Qlab v4 Pro License.

ACCESS & RIGGING

Rigging

- 6x Doughty tank trap.
- 2x 1t Strops.
- Various lengths of scaffold, swivel and fixed scaffold clamps. Please note when attaching to the truss only half couplers can be used. Scaffold clamps can only be used to attach scaffold poles to each other.

Access Equipment

1x 12 Rung Zarges Ladder

1x 10 Rung Zarges Ladder

2x Medium Fibreglass Site Ladder

Loading / Deliveries

Loading of set and technical equipment is on the same level as the theatre. Any van / vehicle access has to be arranged at least 2 weeks in advance and is limited – please contact sy@newdiorama.com prior to your get in.

Vehicles usually have to be moved after they are emptied.

Distance is approx. 20m – 40m from theatre depending on van size / access.

Please note: There is no parking at the theatre and access is only for loading / unloading.

FRONT OF HOUSE / BACK OF HOUSE FACILITIES

Foyer/Cafe

Visiting companies have the use of the Foyer/Café during hire period, fresh coffee and pastries are available at the café with a 10% discount for visiting companies. Please be aware that the café is open to the public 08:00-18:00 Monday to Friday.

Toilets

We have toilet facilities available FoH and BoH for visiting companies and visitors to use during the day. We have 2x Accessible toilets available. All of our toilets are non-gendered.

Green Room

The green room space is available to all companies in our Main house Theatre and the Garden Studio as well as NDT Staff, please be considerate of others in this space.

Please feel free to use the following services:

- Washing machine and tumble dryer.
- Fridge and sink.
- Kettle.
- Microwave ovens.

The green room must be kept clean by all those who use it. There are plates, bowls, mugs and cutlery available; any NDT items that are used must be washed thoroughly in hot soapy water, or placed in the dishwasher after use.

The fridge is a shared space and is cleared out on a weekly basis, so please label all stored food with a personal and show name so we know who it belongs to.

Dressing Rooms

We have 2 dressing rooms available to companies in our building. Dressing room one is available through the wing in the theatre, dressing room two is available via the green room. Each dressing room is provided with tables, mirror and clothes rail.

Storage space is limited on site, so we encourage companies to store props and costume in the dressing rooms where necessary.

HEALTH AND SAFETY

Licensing Requirements

All scenic elements should be constructed from non-combustible material and/or inherently flame-retardant fabrics. Timber scenery should meet Class 1 when tested in accordance with BS 476 pt. 7. Please contact technical department if you are unsure.

The technical department must be informed at least 28 days prior to the get in of the use of any pyrotechnics, smoke effects, fire effects (including candles) as authorisation will be required. A test firing will be required of all pyrotechnic effects.

All visiting companies will be required to submit a show specific risk assessment prior to lading into the venue. Any hanging scenic items or performer flying must be sufficiently planned and communicated with the technical team well in advance to ensure all safety mitigation measures are in place.

All accidents, incidents or near misses must be reported to the duty technician at the time it happened as it is our responsibility to ensure your safety and prevent injury to others.

Fire Alarm Isolation

The main house theatre has a manual isolation procedure in place for its fire detection system. Before using haze or similar smoke effects, please confirm with the duty technician or manager that the correct areas are isolated prior to use to prevent an alarm activation. If unsure, please check.

TECHNICAL SUPPORT AND STAFFING

A technician is normally scheduled to work for the theatre as a whole and will be available to assist with your load in and induct you into the theatre space unless otherwise agreed. They are then on call to assist you if you come into problems during your tech.

If you require your own dedicated technician to program lighting, sound, AV during your tech, let the technical team know as soon as possible.

We are more than happy to provide dedicated technicians for your show with a recharge made to the production.

CONTACT US

To make a general technical enquiry or to discuss something about our spaces please contact:

Sy@newdiorama.com – Sayeedah Supersad, Production Manager

The New Diorama Theatre reserves the right to alter the technical specification of its venue without prior notice or consultation.