

CUMBERNAULD THEATRE AT LANTERNHOUSE



MAIN AUDITORIUM TECH SPEC

CONTENTS

GENERAL INFORMATION	2
BACKSTAGE	4
AUDITORIUM	6
STAGE	7
RIGGING	9
LIGHTING	11
SOUND	13
AV	15

Please note:

Some items listed in this tech spec are shared between the various spaces and events at Lanternhouse. Items listed may be subject to availability. Please contact the technical manager to discuss availability.

GENERAL INFORMATION

Contact info

Cumbernauld Theatre phone number - 01236 732 887

Matt Nevans - Technical and Production Manager
mattnevans@cumbernauldtheatre.co.uk

Amanda Young - Operations Manager
ayoung@cumbernauldtheatre.co.uk

Website - lanternhousearts.org

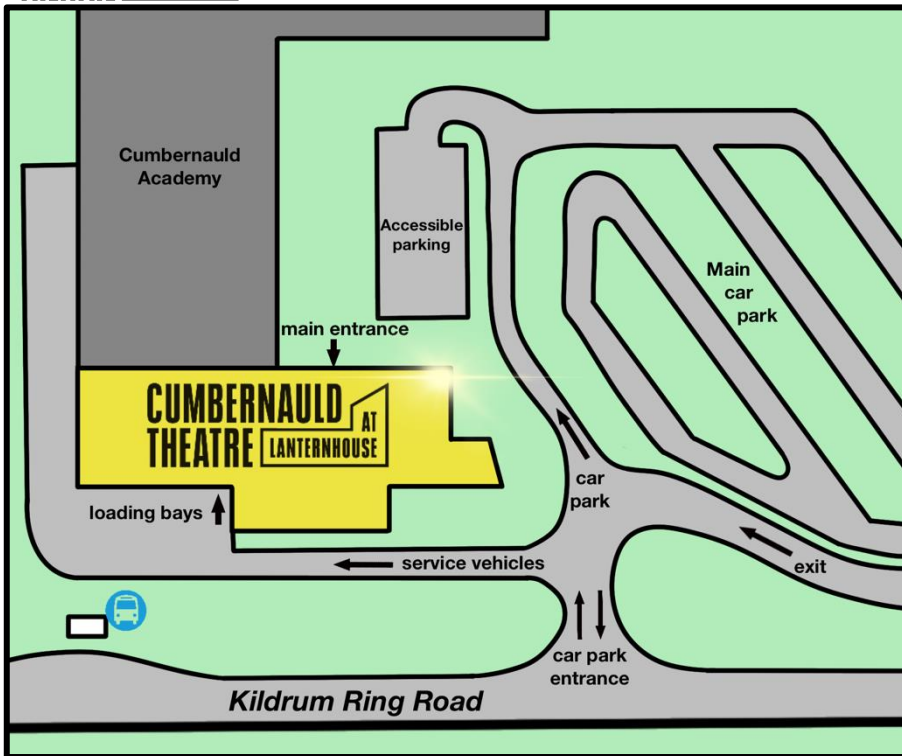
Location

Cumbernauld Theatre at Lanternhouse
South Kildrum Ring Road
Cumbernauld
G67 2UF

Lanternhouse is located on the Cumbernauld Academy campus, to the left of the school's main entrance.



The loading bay is located at the back of the theatre building. As you turn in to the Cumbernauld Academy car park, take the first left, signposted 'Service vehicles'. In around 300 yards you will see three roller shutter doors on your right. The largest roller shutter in the middle is our main loading bay.



Please check in at box office on arrival and a member of the technical team will meet you and open the roller shutters for your get-in.

Parking

Free parking is available on site in the main Cumbernauld Academy car park. Vans can be parked at the rear of the building adjacent to the loading bay.

Backstage access

Access to backstage areas is granted via an electronic key fob. These will be given to your company on the day of your get-in. These must be handed back at the end of your visit.

WIFI

WIFI is available onsite in all areas.

Smoking

In accordance with Scottish law, smoking is strictly prohibited within the building and on the grounds of Cumbernauld Academy, including on stage. If your show includes smoking, you will need to arrange a suitable alternative. Please contact the technical manager if you wish to discuss this.

Portable appliance testing

All electrical items must have a current PAT certificate. Any item which does not have a current PAT certificate, or fails a visual inspection, may not be used at Lanternhouse. PAT testing can be carried out on site by our technical team at an additional cost.

BACKSTAGE

Please note that these facilities are shared with staff and other visiting companies.

Dressing rooms

4 dressing rooms (3mx4m) located on the ground floor, on the same level as the stage.
Accessible toilets and shower facilities located adjacent to dressing rooms.

Personal items are left in dressing rooms at your own risk. Cumbernauld Theatre Trust Ltd. and North Lanarkshire Council accept no responsibility for lost or stolen items.

Green room

A comfortable seating area with couches, tables and chairs.
There is a kitchenette adjacent to the green room with Microwave, kettle and fridge.
These are communal areas so please keep them tidy.

Laundry

1 x washing machine
1 x tumble dryer
clothes drying racks
Iron and ironing board
Sewing machine

Workshop

Limited workshop facilities including some basic hand and power tools. Please ask a member of the technical team before using the workshop facilities.

Storage

Empty cases may be stored in the scene dock if there is adequate space.
Lanternhouse has limited space, so please keep areas you are using for storage tidy.
There are no facilities for storage of scenery, props, costume, or technical equipment before or after your show run.

Emergency exits

Emergency exits and exit routes must be kept clear at all times. Emergency exit signs must not be covered or obscured at any time. Maintained emergency lighting can not be turned off.

AUDITORIUM

Configuration

End on theatre with a retractable seating bank.

The seating bank can be retracted and the auditorium used in various configurations.

The performance space is on the stage area. There is limited scope for lighting and sound in other areas of the auditorium.

Capacity

272 with full seating bank (standard layout)

144 cabaret

335 standing

Control position

Located at the top of the auditorium behind the seating bank. An open space with no windows and clear line of sight to the stage. There is a workspace large enough for sound and lighting desks and a laptop. Space is limited, so larger sound desks may not fit in the control room.

A sound position can be set up at the top of the auditorium on the balcony area. Please let the technical department know in advance as seats will need to be taken off sale.

Sound and lighting control can be set up on the auditorium floor when the seating bank is retracted, and can be set up on the seating bank for production weeks.

There is an enclosed booth to the left of the control room which can be used for either lighting, AV or audio description. The windows in this booth do not open. There is a show relay speaker installed.

Access

Audience entrances on auditorium left at top and bottom of seating bank.

Wheelchair spaces are in row A.

STAGE

Auditorium width	13.8m
Auditorium length (incl. stage)	22m
Stage depth (to setting line)	8m
Stage width (incl. wings)	16m
SL wing width (widest)	3.8m
SL wing width (narrowest)	1.4m
SR wing width	1.7m
Pros. Width - house tabs fully open	8.5m
Pros. Height	Adjustable by flying border in/out
Width between side hoist bars	10.5m
Height to grid	11.15m
Bars fully out height	10m
Stage to fly floor	7.8m
Setting line to front row of seating bank	Approx. 2.7m

Masking

- Standard black box set up.
- House tabs - black velour - on traveler track
- Black traveler curtains upstage and midstage
- White PVC cyclorama / projection screen on bar M22 upstage of the US traveler curtain*
- Cinema projection screen on motorised hoist downstage*
- Various borders, legs and misc. soft masking available
- 2x 5.5m x 1.8m hard maskers

***Please note: the cyc on M22 and cinema screen on M6 can not be moved or taken down**

Prompt

Prompt desk can be set up DSL with comms, cue-lights control, video monitor, and show relay speaker
Backstage calls can be made from a panel DSL or from the control room

Stage entrances

Cast can enter the wings from USR and USL. There is a crossover through the scene dock behind the stage.

Deck

12 - 8'x4' lite deck

4 - 4'x4' lite deck

Legs - 375mm, 575mm, 775mm

Modular treads - 200mm, 400mm, 600mm, 800mm

Stage misc.

- Full stage black dance floor
- Cinema projection screen on motorised hoist downstage*
- Stage weights
- Braces
- 2x lecterns available
- Music stands available

***Please note: the cinema screen on bar M6 can not be moved or taken down.**

Access equipment

- Genie GR20 - up to 8m - to be used by IPAF trained personnel only
- Zarges 14-rung - up to 6.95m
- A selection of smaller A-frame ladders - up to 3m

RIGGING

10x motorised hoist bars over stage and 2x motorised hoist bars along sides of the stage

- SWL - 400kg
- Point load (min. 2.5m spacing) - 150kg
- Max UDL - 60kg/m
- Operated from SR wing or SR fly floor
- Length 9.8m, extendable to 11m*
- Gridded bar height approx. 10m

4x manual hoist bars

- SWL - 350kg
- Point load (min. 2.5m spacing) - 150kg
- Max UDL - 60kg/m
- Operated from SL fly floor
- Length 9.8m, extendable to 11m*
- Gridded bar height approx. 10m

**Point load on bar extensions – max 50kg*

Pin rails on SL and SR on the fly floor

- SWL – 200kg/2.2m run
- Height - 9.1m
- Length – 8.8m from US wall

3 x lighting bridges running the width of the auditorium with rigging points front and back

- SWL - 55kg/m run
- Bar height - 9.1m

Other rigging

2 x FOH booms, one either side DS of the pros.

- Height – 7.5m

2 x perch positions running along both sides of the auditorium. It may not be possible to use these positions. Please contact the technical manager to discuss.

A selection of strops, shackles, carabiners, pulleys, scaffolding and clamps

14 x boom bases and various 250mm and 500mm boom arms

10 x modular ladder truss

LIGHTING

Lighting control

ETC ION XE

Max. patchable addresses: 2048

40 fader wing

2 x touch screens

Data

Controlled through sACN using a Chauvet NET-X II node rack-mounted in the control room. There are 8 universes of DMX run throughout the space. DMX patch panels are available on stage in all four corners, over the stage for lighting bars, and on the lighting bridges in the main auditorium.

It is possible to run in DMX to control lighting through a traditional DMX setup if preferred.

Sensor3 dimmers are on universe 1

Power and dimming

PLEASE NOTE: ALL LX POWER AND DIMMERS ARE 16A CEEFORM.

There is no infrastructure for 15A power or dimmers. We only have a limited stock of 16A-15A adapters.

ETC sensor3 ThruPower - 168 circuits (10A)

All circuits are individually assignable as dimmers or switched power. All lighting fixture power is run from sensor3 racks on switched mode and controlled through the lighting console.

Temporary power

63A single-phase and 63A three-phase ceeform power outlets located on stage left and in the scene dock.

House lights

Can be controlled by DMX through sACN on universe 101

Can also be operated from panels SL and in control room

Working lights

Operated from panels SL and in control room
Linked to fire alarm system to come on automatically for evacuation

Lantern stock

Incandescent

Type	Description	Quantity
Fresnel	Strand Patt 743 w/ barn doors - 1kW	16
Profile	ETC Source 4 zoom 25°-50° - 750W	12
	ETC Source 4 zoom 15°-30° - 750W	12
	ETC Source 4 10° - 750W	6
Par can	Par 64 CP60, CP61, CP62 - 1kW	12

Intelligent

Type	Description	Quantity
Profile	Martin ELP CL 25°-50° zoom	26
	Martin ELP CL 15°-30° zoom	14
Mover	Martin Era 300 profile	14
Batten	Equinox SprectraPix Batten	14
Pinspot	Chauvet Colordash Accent Quad	4

Lighting misc.

Gobo Holders - B-size gobo holders for Source 4

Irises - 10 x Source 4 size

Booms - 14 x boom bases, various sizes of scaff, and 250mm and 500mm boom arms

Haze and Smoke - 2 x Unique Hazers, 2 x Unique smoke machines

Gel - We are not able to supply gel for visiting companies

SOUND

PA system

EM Acoustics PA

Set up for 7.1 surround, comprising:

- 4 x EM 126 (Pros) L+R
- 4 x EM 118 (Sub)
- 6 x EM 81x (Central Cluster over 3 pairs)
- 12 x EM 81x (Surround)

Foldback

- 8 x QSC K12
- 4 x QSC K8 (2x flown, capacity to fly 4)

Amps

- 1 x Yamaha XMV8280 8-channel power amplifier
- 3 x EM AQ-3 4-channel power amplifier

Sound desk

Behringer Wing – Dante compatible

- 8x local inputs and 8x local outputs
- 2 x Midas DL32 stage boxes - 32x inputs and 16x outputs each
- 2x Behringer SD8 stage boxes - 8x inputs and 8x outputs each
 - one of which is mounted in amp rack at FOH

Also available

- Allen & Heath QU24
- Allen & Heath QU16

Playback

- Macbook Pro M1 16-inch 32GB with full Qlab license
- Behringer Wing has built-in soundcard via USB and Dante compatibility

Mics, etc.

All shared between both spaces and subject to availability.

- A selection of microphones including Shure Beta 58s, Beta 57s, and a variety of instrument mics. Full mic list available on request.
- 12 x Sennheiser radio mics and receivers - 8 x belt packs and headsets, 4 x handheld mics
- DI boxes
- Mic stands
- Cabling

- Speaker stands for QSC K12s

Backline

- Casio PX-S 3000 digital piano with stand
- Fender Tone master deluxe guitar amp
- TC Electronics BG250 Combo bass amp
- Drum kit with shells and hardware (no breakables)

AV

Projectors

Panasonic RZ660

- 0.6-0.8:1 short throw zoom
- 6200 Lumens
- Normally rigged DS on bar M4
- Wide enough to fill US cyc

Projection screens

- Cinema screen rigged DS on bar M6
- White PVC cyc normally rigged on bar M22
- Front projection fast fold screen 3m x 2.2m

Playback

- Macbook Pro M1 16-inch 32GB with full Qlab license