

VENUE

LOUGHBOROUGH **TOWN HALL**

Technical Specification

Last Updated Feb 2026

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(access to the front of the building is not possible in a vehicle)

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Loughborough Town Hall is owned and operated by Charnwood Borough Council

Loughborough Town Hall is a multi-purpose receiving house theatre, Art gallery and venue, set in the heart of Charnwood in Leicestershire and welcoming over 100,000 people per year.

www.loughboroughtownhall.co.uk

Seating Capacity

We have Bleacher-Style retractable seating manufactured by Audience Systems.

Seated Show Capacity: **520 seats**

Standing Show Capacity: **650 persons**

Cabaret Style Seating Capacity: **220 seats**

The following number of seats will need to be removed reducing the seating capacity by:

- Touring Desks at the centre of the circle **16 seats** (T 4-11, U 3-10)
- Orchestra Pit / Stage extension: **52 seats** (AA 1-26, BB 1-26)

Please inform us as early as possible if you need seats held off sale. Once they are available for purchase, we may not be able to reserve them.

Our Stage

Dimensions

Our stage is not raked and comprises of a black painted MDF floor. Our House tabs are blue in colour.

Proscenium opening height: **4.2m**

Proscenium opening width: **7.1m**

Depth of stage from iron line: **5.2m**

Depth of stage from front of stage: **7.7m**

Stage level from auditorium floor: **1.2m**

(Please note all of the above do not include the stage apron)

Grid height: **10.9m**

Preferred working cloth height: **5m**

Stage apron width: **9.2m**

Stage apron depth: **2.1m**

The apron can serve as either:

- a) can form part of auditorium floor (Standard Layout)
- b) stage extension at 1.2m high (AA & BB Seating not possible)
- c) at any height between auditorium level and stage level (AA & BB Seating not possible)
- d) lowered below auditorium level to form orchestra pit (AA & BB Seating not possible)

Equipment & Drapery

We have the following cloths available to use:

- **6x** Black Legs (6m x 4m)
- **3x** Black Headers (9m x 1m)
- **1x** White Cyc (10m x 5m)
- **1x** Black Cyc (14m x 6m)
- **1x** Set of Blue Tabs (House Default)
- **1x** Set of Gold Tabs

We have the following stage equipment available to use:

- **5x** Wooden Rostra (8ft x 4ft x 1.5ft)
- **3x** Stage Rostra (4ft x 4ft x 1.5ft)
- **1x** Fast fold projection screen (10ft x 8ft)
- **6x** Tank Traps
- **1x** Le Maitre ProStage 6 (please enquire)
- an assortment of Triple E (please enquire)
- an assortment of steel scaff bars
- a small amount of 12.5kg stage weights

Dressing Rooms

There are 3 dressing rooms at the rear of the stage, each accommodating up to 9 people with a shower, toilets and accessible facilities adjacent. All dressing rooms are equipped with fans, heaters and fresh towels.

A further Chorus dressing room is located under the stage, accommodating up to 10 people. Access is by SL steps only.

Tea and Coffee is available free of charge. We provide a microwave, a small fridge, a kettle, and a water cooler. We also have laundry facilities consisting of two washing machines and two dryers.

Stage Management

We have a Prompt desk located stage left below the flying gantry, including a set of comms, infra-red video and audio show relay, and a backstage call system to all dressing rooms.

Flying System

We have 16 counter-weighted fly bars with a flying gantry located on stage left.

Clearance below the flying gantry is **4.6m**

Grid height: **10.9m**

Working cloth height: **5.5 m**

Fly bar width: **9.1m**

Bar SWL: **250kg** Uniformly Distributed Load

All bars are able to be weighted from the flying gantry and the loading gallery.

A limited amount of bar extensions are available if required.

The safety curtain is operated from DSL, located beside our prompt corner. This does not need to be shown during a performance and is to only be dropped in the event of an evacuation or when the venue is unoccupied.

Fly Plot

Bar	Distance from Prosc. (m)	Distance to back wall (m)	Default
1	0.20	5.70	House Tabs
LX 1			
2	0.98	4.92	
3	1.17	4.73	Legs
MWB			
4	1.62	4.28	
5	1.81	4.09	
6	2.01	3.89	
7	2.21	3.69	Header
8	2.41	3.49	Legs
LX 2			
9	3.20	2.70	
10	3.61	2.29	
11	3.81	2.09	Header
LX 3			
12	4.41	1.49	Legs
13	4.98	0.92	
DHB			Fixed Cyclorama Lighting
14	5.21	0.69	
15	5.56	0.34	White Cyclorama
16	5.76	0.14	Full Black

Default cloths can be moved around to suit the requirements of your show

In-House Lighting

We run a sophisticated lighting rig of LED fixtures with a handful of generics. Touring companies are welcome to make use of the venue rig, as well as fly their own on our counterweight fly bars.

Ordinarily, we have 12x 25-50° Zoom Profiles located in our front of house gantries. We have an abundance of Moving Spots and BeamWashes onstage, including static washes and full stage gobo coverage.

Lighting control is situated at the back of the auditorium, not in a control room. The house lighting console is an **ETC Ion XE20** (12288 outputs), complete with two Touchscreen Monitors.

Current Lighting Stock

Static Profiles

- 10x** ETC ColorSource Spot V (15° - 30°)
- 5x** ETC Source 4WRD Color (25° - 50°)
- 20x** ETC Source 4WRD Color (Fixed Body)
- 12x** ETC Source 4 Jr (25° - 50°)
- 6x** Chauvet Ovation E-260WW
- 4x** Chauvet Ovation E-910FC

Moving Lights

- 18x** Martin Era 150 Wash
- 6x** Chauvet Maverick MKII Spot
- 4x** Chauvet Q-Wash 560z
- 4x** Equinox Fusion 260ZR

Static Wash Lights

- 12x** ETC ColorSource Fresnel V
- 8x** ETC ColorSource Par Deep Blue
- 7x** Chauvet COLORado 1 Tour
- 3x** Chauvet COLORado Tri Tour
- 10x** Chauvet COLORado Batten 72x
- 20x** CCT Starlette 1KW Fresnel
- 2x** CCT Minuette Fresnel
- 2x** CCT Starlette 1KW Pebble Convex
- 25x** Par 64 (CP62)
- 9x** Par 16 Birdie
- 18x** Par 36 Pinspot

Miscellaneous

- 2x** Look Solutions Unique 2.1 Hazer
- 4x** LEDJ UV Spectra Batten
- 2x** Generic UV Cannons
- 1x** Large Mirror Ball
- 1x** QTX RP12 Relay Pack

Follow Spots

- 2x** Robert Juliat Oz

Lens Tubes

- 2x** ETC 19° Lens Tube
- 16x** ETC 26° Lens Tube
- 4x** ETC 50° Lens Tube
- 12x** Chauvet 19° HD Lens Tube
- 8x** ETC Medium Round Diffuser (ETC Par)
- 8x** ETC Medium Oval Diffuser (ETC Par)

Houselights

Our houselights are comprised of 29 Chauvet Ovation H-605FC fixtures. These are RGBALSt Fixures and are all individually controllable. This can either be controlled through DMX or from a wall-mounted fader located next to our prompt desk.

Followspots

We have two house FollowSpots located in FOH Gantry 3. These are Robert Juliat OZ 6002 units and dimming is controlled locally. Comms are available at both spot positions. Please enquire as the additional personnel required may lead to a contra charge.

Cable Stock

A generous stock of 13A, 15A, 16A, powercon, true1 and dmx cable is also available as well as a modest stock of power distribution. Please check in advance for your specific requirements.

Bars and Infrastructure

We are able to support 96 ways of 2kW/channel dimming via hard wired Strand LD90 dimmer racks.

Locations of our dimmer ports:

- **3x** Manually Winched IWBs Over Stage (12x channels each)
- **3x** FOH Gentries with IWBs (12x channels each)
- **2x** FOH Booms with IWBs (6x channels each)
- **2x** FOH Hurls with IWBs (6x channels each)
- **1x** Dip Box DS/L (6x channels each)
- **1x** Dip Box DS/R (6x channels each)

In-House Sound

Speaker System

Loughborough Town Hall is a versatile events venue and theatre equipped with a multi-point source loudspeaker system designed to provide optimal coverage across its 500+ seat auditorium. The system delivers high-quality sound reinforcement using EAW Stalls, Delay & Centre Cluster loudspeakers, complemented with EM Acoustics Front & Rear Fill speakers.

- **2x** EAW MK5194 speakers (Front Side Speakers)
- **2x** EAW FR129z High Level (Flown Centre Cluster)
- **2x** EAW MK 2194 Mid Rear Coverage (Flown Centre Cluster)
- **2x** EAW SB150R Subwoofer System
- **6x** EM Acoustics EMS-42 (Front Fill Speakers)
- **2x** EM Acoustics EMS-62 (Rear Delays)

We also have some on stage foldback in our default setting:

- **2x** HK PR:O 15X (DS Foldback)
- **2x** Bose 802 (US Foldback)

Amps

To power the FOH Speaker arrangement we have the following amplifiers tied into our FOH Desk.

- **1x** Yamaha PX8
- **1x** Yamaha PX3
- **3x** MC² Audio T500
- **2x** MC² Audio T100

FOH Desk & I/O

Our FOH Desk is an **Allen & Heath Dlive C2500** with a **CDM32** both located at the back of the auditorium at control position.

The Dlive has a 128-channel I/O capability, we have a GX48316 connected via Giga-ace on stage offering 48 channels in and 16 out and a DX port which is ME compatible.

We also have a 64x64 Dante Card installed into our Dlive which is currently connected to our Mac Mini.

Computing

We have a dedicated Sound Mac Mini (2018) at control position connected to the sound desk via Dante, allowing multi-tracked I/O. We have the following Software's installed on the Mac Mini.

- Qlab 5 (Fully Licenced)
- Theatre Mix (Fully Licenced)
- Reaper (Evaluation Licence)
- Dante Virtual Sound Card (Fully Licenced)
- Allen & Heath Dlive Director V2.11
- Companion
- Sennheiser WSM

With permission we can install software from trusted websites and developers, we will endeavour to keep these software's as up to date as possible.

Mic Stock

Our Mic stock is available for use with a prior agreement.

- **14x** Sennheiser G4 EW300 Belt Pack
- **10x** Sennheiser G3 EW300 Belt Pack
- **3x** Sennheiser G3 EW300 Hand Held
- **2x** Audio Technica AT815B Condenser Mics
- **4x** Sennheiser MKE002 (Black)
- **21x** Sennheiser MKE002 (Biege)
- **4x** Sennheiser Paddle Antennas
- **7x** Shure SM58
- **7x** Shure SM57
- **2x** AKG C414 Matched Pair
- **2x** AKG C1000S
- **1x** AKG D112 Drum Mic
- **3x** AKG D40 Drum Mic
- **3x** AKG C430 Small Condenser Mic
- **4x** AKG C451B
- **3x** Sennheiser E609
- **1x** Audix Fusion F6
- **1x** Beyer Dynamic MM1 Reference Mic
- **3x** Behringer B-5 Small Condenser Mic
- **4x** Audio Technica AT815b Condenser Mic
- **4x** Behringer Ultra-DI Mono
- **1x** Radial JPC DI Box

Touring Specification

Control Position

For touring consoles, the control position is located at the back of the auditorium situated on rows T and U. The size of the control position is 255cm x 75cm. For standing or cabaret events, space can be made at the back of the hall to accommodate control positions. Please inform us as early as possible if you require a control position, as seats need held off sale.

We have a stock of power distribution for use, subject to availability. This Includes:

- **1x** (1x 63A/3) → (3x 32A/1)
- **1x** (1x 63A/3) → (2x 32A/3)
- **1x** (1x 63A/3) → (3x 63A/1)
- **3x** (1x 32A/3) → (4x 16A/1)

Lighting Control

Control is via sACN with 4 universes ordinarily in use across the space, however this can be expanded.

At the touring position there will be the following connections to tie into our system.

- **1x** 4way 13A power
- **1x** Cat5e (sACN Control)
- **4x** 5-Pin DMX lines (Alternative Control)

There are 2x STP TourCat5e lines from the control position to the stage located in the DS/R and DS/L wing. We are also able to provide a single DMX tie line from control to DS/R if needed.

Lighting Power

We can also provide the following power on stage, with distro resulting in RCD protected CEE Form:

- **4x** 32A/1
- **1x** 63A/3

Sound Control

At the touring position there will be the following connections to tie into our system.

- 1x 4way 13a power
- 2x Cat5e (connects to stage left)
- 4x xlr (to tie into our desk)

There are 2x cat5e SHIELDED connections at control position that connects to stage, we understand that some desks & stage boxes maintain a more reliable connection over a single cat run so we are happy to run any of your touring cable from stage to control position if you require.

Our PA is a static point source system designed for when the auditorium seating is out, if the main hall is in a standing format we advise bringing your own PA.

Sound Power

We can also provide the following power on stage via the Powerlok supply, with distro resulting in RCD protected CEE Form:

- 3 x 32A/1
- 1 x 63A/1
- 1 x 32A/3
- 1 x 63A/3