



Technical Specification May 2024

Useful Contacts:

Box Office		box.office@charnwood.gov.uk	01509 231914
Technical Department		lth.techical@charnwood.gov.uk	07518 200267
Richard Alter	Technical Manager	Richard.alter@charnwood.gov.uk	01509 632529
Adam Neal	Technician	Adam.neal@charnwood.gov.uk	
Ethan Lowe	Technician	Ethan.lowe@charnwood.gov.uk	
Ryan Heath	Technician	Ryan.heath@charnwood.gov.uk	

Postal Address

Loughborough Town Hall
Market Place
Loughborough
Leicestershire
LE11 3EB

Loading Address

Loughborough Town Hall
Loading Bay
Off Woodgate
Loughborough
LE11 2XB

N.B. Access to the front of the building is not possible in a vehicle.

Lighting

Loughborough Town Hall runs a sophisticated lighting rig of mostly 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 12 x 26 Degree Source Fours located on FOH bar 2, and 8 x 19 Degree Ovation E260WWs located on FOH bar 3, with Wash coverage overstage, and intelligent colour and gobo coverage.

****PLEASE NOTE FROM OCTOBER 2024 A NEW TECH SPEC WILL BE ISSUED AS OUR UPGRADE TO LED CONTINUES****

Control

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 Hannspree Touchscreen Monitors. Control is via sACN with 6 universes in use across the space.

For touring consoles, we have multiple options for networked control, or we can offer you 4 x 5 pin DMX connectors for individual universes. Ordinarily, the touring LX and sound position is situated on row T and U.

There are 2 x STP TourCat5e lines from the control position to stage (DSR and DSL wings).

We can also provide a DMX tie line to stage.

Bars and Infrastructure

96 ways of 2kW/channel dimming via hard wired Strand LD90 Dimmer Racks

3 x Manually Winched IWBs Over Stage	12 channels each
3 x FOH Gentries with IWBs	12 channels each
2 x FOH Boom (IWBs)	6 channels each

2 X FOH Hurls (Shares circuits with FOH 1) 6 channels each

Dip Box DSL and DSR 6 channels each

Plans are available on the website in either 1:25 or 1:50 format

Available Hot Power

Our Intelligent Lighting Rig uses 1 x 63/3 and 2 x 32/1 The following is available for touring Lighting and Video Equipment:

4 x 32A/1

1 x 63A/3

All Cee Form and RCD Protected.

Other power is available if not required by touring sound. Please see the sound power section.

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

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

1 of 1x 63A/3 - 2x 32A/3

1 of 1x 63A/3 - 3x 63A/1

4 of 1x 32A/1 - 4x 16A/1

Fixture Stock

18	X	Martin Era 150 Wash
6	X	Chauvet Maverick MK2 Spot
5	X	Chauvet Q-wash 560z LED
4	X	Equinox Fusion 260ZR
7	X	Chauvet Colorado 1 Tour
3	X	Chauvet Colorado 1 Tri Tour
10	X	Chauvet Batten 72 Tour
6	X	Chauvet Ovation E-260WW
4	X	Chauvet Ovation E-910FC
4	X	LEDJ UV Spectra Batten

20	X	ETC Source Four Fixed Body
5	X	ETC Source Four 25-50° Zoom
12	X	ETC Source Four Jr 25-50° Zoom
12	X	ETC ColorSource Fresnel V
10	X	ETC ColorSource Spot V 15°-30° Zoom
8	X	ETC ColorSource Par Deep Blue Medium Round
2	X	CCT Minuette Profile
2	X	ETC 19° Lens Tube
12	X	Chauvet 19° HD Lens Tube
16	X	ETC 26° Lens Tube
4	X	ETC 50° Lens Tube
20	X	CCT Starlette 1KW Fresnel
2	X	CCT Minuette Fresnel
2	X	CCT Starlette 1KW Pebble Convex
2	X	JTE 500W Symmetric Flood
25	X	CP62 PAR 64
18	X	PAR 36 Pinspot
9	X	PAR 16 Birdie
2	X	RJ Oz LED Follow spots located at FOH 3
2	X	UV cannons
2	X	Look Solutions Unique 2.1 Hazer
1	X	Large Mirror Ball
1	X	QTX RP12 Relay Rack

A generous stock of 15A, 16A, powercon and DMX cable is also available as well as a modest stock of power distribution. However, please check in advance for your specific requirements.

FollowSpots

There are two house FollowSpots located SR and SL of centre in FOH gantry 3. These are Robert Juliat OZ 600W units and dimming is controlled locally. Comms are available at both spot positions. Please enquire as the additional personnel required will likely lead to a contra charge for this service.

House Lights

Houselights are comprised of 29 Chauvet Ovation H605-FC units. These RGBAL fixtures are all individually controllable, and are

patched in universe 4, starting at address 1 and increasing sequentially in 16 channel mode.

Houselight control is also possible from prompt corner from an Artistic Licence Matisse F6 Controller. DMX is merged on an HTP basis between console input and the Matisse input.

Fader 1 – All Houselights in warm

Fader 2 – All Houselights apart from pit / apron area in warm

Fader 3 – Just Aisle Houselights in warm

Fader 4 – Blank

Fader 5 – Blank

Fader 6 – All Houselights in Open White – Cleaning

Sound

Loughborough Town Hall is a multipurpose events venue and theatre with a multi-point source speaker system for maximum coverage over its 500+ seats, this is delivered by a high-quality system using EAW speaker and EM acoustics fill speakers. We use a 48 channel DiGiCo fully digital mixer, which allows 48 channels in and 24 channels out. We also have the ability to use 48 channels recording and 48 playback channels over USB to a mac mini. Please get in contact if you have specific requirements, as equipment availability may vary.

Main Hall House System – F.O.H.

1	x	DiGiCo S21 Digital Mixing Desk
1	x	Mac Mini with Qlab Pro License
1	x	DiGiCo D-Rack (24 in, 8 out)
2	x	EAW MK5194 speakers (Front Side Speakers)
2	x	EAW FR129z High Level (Flown Centre Cluster)
2	x	EAW MK 2194 Mid Rear Coverage (Delays)
2	x	EAW SB150R Subwoofer System
6	x	EM Acoustics EMS-42 (Front Fill Speakers)
2	x	EM Acoustics EMS-62 (Rear Delays)
The above is all powered by:		
1	x	Yamaha PX8

1	x	Yamaha PX3
3	x	MC ² Audio T500
2	x	MC ² Audio T1000

located in a roof void (*See details below*)

Monitor Stock

2	x	Yamaha HS80
1	x	Behringer Monitor Wedge
1	x	Yamaha MS101
1	x	Wharfedale Pro 12"
2	x	Mackie Industrial Art 300A 12"

Rack Equipment

1	x	Yamaha SPX 900
1	x	EMO CR6 Power Supply
1	x	EMO CR6 Remote Switcher
1	x	William Sound Wireless Hearing Loop

Mic Stock

16	x	Sennheiser G4 EW300 Belt Pack
10	x	Sennheiser G3 EW300 Belt Pack
3	x	Sennheiser G3 EW300 Hand Held
2	x	Audio Technica AT815B Condenser Mics
4	x	Sennheiser MKE002 (Black)
21	x	Sennheiser MKE002 (Biege)
4	x	Sennheiser Paddle Antennas
7	x	Shure SM58
7	x	Shure SM57
2	x	AKG C414 Matched Pair
2	x	AKG C1000S
1	x	AKG D112 Drum Mic
3	x	AKG D40 Drum Mic
3	x	AKG C430 Small Condenser Mic
4	x	AKG C451B
3	x	Sennheiser E609
1	x	Audix Fusion F6

1	x	Beyer Dynamic MM1 Reference Mic
1	x	Rode NT1A
3	x	Behringer B-5 Small Condenser Mic
4	x	Audio Technica AT815b Condenser Mic
4	x	Behringer Ultra-DI Mono
1	x	Radial JPC DI Box

Touring Desks

Please ensure arrangements for touring consoles are made prior to tickets going on sale, as the below options require the removal of auditorium seating.

Touring desks can be positioned at the back of the auditorium, under a slight circle. A tie into the venue PA is possible via a link through our sound console, where individual outputs can be adjusted using the matrix page.

For standing or cabaret events, space can be made at the back of the hall to accommodate a sound control position.

There are 2 x STP TourCat5e tie lines from the control position to the SL wing, as well as our STP TourCat6a sound multicore to stage.

We also have a 20 in / 12 out analogue multi core available.

Power for touring PA is distributed 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

Stage

Our stage is NOT raked and comprises of a black painted MDF floor. 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
Grid height:	10.9m
Preferred working cloth height	5 m

(Please note the above does not include the stage apron)

Stage apron width:	9.2m
Stage apron depth:	2.1m

Apron can serve as either:

- a) stage extension at 1.2m high (*No additional seating rows possible*)
- b) at any height between auditorium level and stage level (*No additional seating rows possible*)
- c) can form part of auditorium floor allowing for two rows of flat seating
- d) Lowered beyond auditorium level to form screened orchestra pit (*No additional seating rows possible*)

Flying system

16 counter-weighted fly bars with fly floor 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

Fly Bar SWL:

250kg Evenly Distributed

Stage Management

Prompt desk located stage left below flying gantry, including full headset communication system for crew, video and audio show relay, and backstage call system to all dressing rooms.

Stage Equipment

6	x	Tank Trap with an assortment of scaff
6	x	Black Legs 6mx4m
3	x	Header Borders
1	x	White Cyc 10mx5m
1	x	Black Cyc 14mx6m
1	x	Set of Gold Tabs
6	x	8ft x 4ft x 1.5ft Wooden Rostra
3	x	4ftx4ftx1.5ft Stage Rostra
1	x	10ft x 8ft fast fold projection screen
1	x	Le Maitre ProStage 6 – please enquire about pyrotechnics use

Assortment of Music stands + Lights (please enquire)

Dressing Rooms

There are 3 dressing rooms at the rear of the stage, each accommodating up to 9 people with showers, toilets and disabled facilities adjacent.

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

Tea and Coffee is available and provided to all.

Auditorium and Capacity

Audience Systems Bleacher Style Retractable Seating

442 retractable

17 fixed seats rear of theatre

52 flat seats can be used if pit or apron not in use

220-cabaret style flat seating