

everyman &PLAYHOUSE

Liverpool Playhouse

MAINHOUSE TECHNICAL SPECIFICATIONS AND EQUIPMENT LISTS

Liverpool and Merseyside Theatres Trust Ltd (LMTT) does not guarantee that all or any of these facilities or equipment will be available or suitable for the purposes of the visiting company. A visiting company should, in all cases, check with LMTT Technical Management to ensure the information contained herein is up to date and correct. At times some equipment detailed in this document may be temporarily unavailable. *This document in association with the theatre ground plan and section drawings provides the Pre-Construction Information for the site required by the CDM15 Regulations. To download plans [click here](#).*

Liverpool Playhouse Williamson Square Liverpool L1 1EL	Playhouse Stage Door 0151 708 3700
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Technical Contacts

Please email all enquiries to TechnicalHOD@everymanplayhouse.com

Head of Production – Dan Franklin	Company Manager – Sarah Lewis
Technical Manager – Jennifer Tallon-Cahill	Production Manager – Christos Cailleux
Production Assistant – Diego Gutierrez	Production Coordinator – Beth Lewis

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ADVANCE INFORMATION FROM INCOMING PRODUCTIONS

LMTT requires the following information in advance from any visiting production:

Technical specifications, including plans for any set or other construction.

- Details of the materials for any set or other constructions
- Method statements for construction activities
- Risk assessments for any special effects in the show (or your risk management procedures)
- Detailed production or technical schedules, with staffing levels required from us.
- Lighting plan
- Line schedule or hanging plot.

WORKING PRACTICES AND SAFETY ONSTAGE

Duties required under Construction (Design and Management) Regulations 2015 (CDM15)

CDM15 came into force on 6 April 2015 and removed the previous exemption for the entertainment sector. CDM15 aims to ensure health and safety issues are appropriately considered during the development of construction projects and the aim of the Regulations is to reduce the risk of harm to those who must build, use, maintain, and take down structures. Under CDM15 LMTT acts as a CDM Contractor to the visiting company and must ensure visiting companies are aware of the CDM Regulations:

Reg 15 (1): A contractor must not carry out construction work in relation to a project unless satisfied that the client is aware of the duties owed by the client under these Regulations.

The full HSE guidance document for the CDM15 regulations can be found at:

[http://www.hse.gov.uk/pubns/priced/l153.pdf](http://www.hse.gov.uk/pubns/ priced/ l153.pdf)

We may not be the construction industry, but we do undertake acts of construction as defined within CDM15 within the wider activity of staging a production. Activities such as the assembly and dismantling of sets and scenery onstage, rigging and truss activity, the installation of lighting, AV and sound rigs and all similar work including the focus are covered within the scope of CDM15. Visiting companies must ensure they comply with all aspects of CDM15, and we will make every effort to assist the visiting company in fulfilling their duties.

Site Rules during get-ins and fit ups.

Whilst construction activities are taking place on any LMTT premises the following site safety rules must be adhered to by all personnel working on site including freelance or visiting company staff and external contractors:

- Suitable protective safety footwear must be always worn
- High visibility jackets must be always worn
- Hard hats must be worn when there is a risk of objects falling from height
- Correct PPE for any activities such as safety goggles, gloves and ear protection must be used
- All near misses, incidents and accidents must be reported
- Safe systems of work must be adhered to
- No unauthorised persons are allowed in the auditorium or workshop areas; access is restricted to personnel engaged in construction activities
- All employees must receive a full building safety induction
- Only trained operatives are allowed to erect alter or dismantle scaffolding or mobile towers or operate mobile elevated work platforms (Genie GR20)
- Smoking, E-cigarettes, and or/vaping is not permitted in the theatre buildings

Onstage Safety Briefing and Set Induction.

LMTT will provide a full building safety briefing to visiting company staff prior to the start of the load-in. Any show containing elements of construction must also include a preliminary briefing at the start of the load-in by the visiting company for all venue and touring staff. This practice is in accordance with CDM15 and should be scheduled in advance. Furthermore, any set which poses difficulties for backstage access and safe movement in show conditions will require a set induction or briefing session for the show crew prior to the first technical rehearsal.

Site Welfare arrangements.

Toilets, dressing rooms, and showers are available to venue and show staff and performers. We have facilities for food storage, microwaves, and fridges in the theatre Green Room. Security for personal possessions is also available via Stage Door and in the Visiting Company Stage Management Office on the ground floor.

Working time.

Please note that in accordance with Working Time Regulations 1998 an 11-hour break between working shifts must be scheduled for all members of staff. Furthermore, suitable breaks within shifts must be scheduled to ensure welfare of all staff and all schedules must be agreed in advance. Calls which contravene these rules, and subsequent costs, should be discussed and agreed prior to arrival. See Appendix A for the standard working day schedule.

Noise at work.

Please note that in accordance with the Noise at Work Regulations 1989, the Control of Noise at Work Regulations 2005, and for the benefit and care of all staff and members of the public, LMTT reserves the right to monitor and if necessary, limit the sound levels for any given performance.

Working at Height.

Please note that in accordance with Working at Height Regulations 2005 and HSE instructions, mobile access equipment such as Tallescopes must be used in accordance with manufacturer's instructions. The Tallescope has had the manufacturers modifications that allow it to be moved across a stage surface with no level changes provided all outriggers are set out as indicated by the manufacturer and operators move the Tallescope using the new extension uprights. Due to the compound rake in the auditorium the Tallescope cannot be moved with a person in the basket while focussing the auditorium advance truss.

A risk assessment for working at height for each production is required which should identify any hazard areas such as traps or changes of levels in stage floors and the control measures to safely perform tasks.

We have 12m of Superbeam Catwalk truss and 2 double braked Loadguard 1T chain hoists that can be supplied to provide up to 1 overhead lighting bridge on stage to reduce the requirement for Tallescope use on productions. Please contact the Head of Production or Senior Production Manager to discuss the use of catwalk truss.

Please bear this in mind when setting schedules and crewing levels for any production.

Loading/unloading.

All visiting companies must comply with the BECTU/TMA Code of Conduct pertaining to get ins/get outs.

The visiting company will have ensured the truck is safely packed, with no dangerously balanced items at risk of falling and injuring any member of any crew and must appoint a Loading/Unloading Supervisor who will be identified at the Onstage Briefing.

A plan of the truck, showing the distribution of items within the truck will be provided in advance. The visiting company will have ensured that boxes, skips, and flight cases are safely packed to avoid any unbalanced loads. Weight should be indicated on each item. Any near misses or accidents must be reported to LMTT staff in addition to following the reporting procedures sheets that can be found in the loading areas and at stage door of both venues. LMTT will provide lighting should there not be suitable internal lighting on the truck.

Auditorium information

Maximum capacity	677 (697 Inc. restricted views)
Stalls capacity	256
Circle capacity	196
Gallery capacity	245

There are 5 wheelchair spaces in the stalls and 1 in the Circle.

Note that sightlines from the Gallery in particular, can be problematic. These issues are marked out in Pink on the ground plans available. Please see below 'Stage Information'.

Delivery and Access

Access to the Playhouse is through a busy pedestrian shopping area so deliveries must be completed before 10am or after 6pm as there is a rising bollard system over which we have no control. Prior notice must be given to Technical Management should you require access outside of these times. Smaller trailers and diesel vehicles may be left in the delivery bay overnight with prior consent from the TechnicalHOD's. Loading and unloading is done at trailer height into the scene dock which has direct access to the stage via the dock iron. **See Appendix C for directions.**

Wardrobe Facilities

The Playhouse has an un-manned wardrobe maintenance department, situated on the third floor. This consists of a washing machine, a spin dryer, and a tumble dryer (all professional laundry equipment) along with hand washing facilities. There is also a dedicated wardrobe maintenance room complete with sewing machines.

Dressing Rooms

The Playhouse has 9 dressing rooms situated on the first and second floors. All come complete with cloths rails, chairs, illuminated mirrors, and wash basins. Each floor has toilet facilities and a shared shower block. All dressing rooms have coded door locks which will be issued by stage door to the company/tour manager upon arrival.

1st Floor: 1 four/five person dressing room with washbasin, full length mirror.

1st Floor: 1 two person dressing room with en-suite facilities, full length mirror.

1st Floor: 3 three person dressing rooms with washbasin, full length mirror.

1st Floor: 1 one person dressing room with washbasin, full length mirror.

2nd Floor: 3 two person dressing rooms with washbasin, full length mirror.

Smoking Policy

Smoking is not allowed in our buildings at any time.

Smoking may be allowed by prior arrangement, during a performance where it forms an essential part of the action, this must be backed up with the relevant H&S documentation.

Stage Information

Theatre plans can be downloaded from the theatre website.

Rake	1:30
Pros width	9.12m
Pros height	5.81m (determined by Iron out position)
Stage depth	10.5m
Wing to wing	17m
Orchestra Pit max width	1.4m
Grid height	13.5m (Taken from centre of counterweight 17)
Maximum Flying Height	12.7m
Dock iron to workshop SR	6.39m (w) x 6.53m (h)
Pit lids	removable in 1.2m wide sections

Sightlines

Due to the nature of the Playhouse auditorium, we have some difficult sightline issues, and we ask visiting companies to consider this when touring to us.

To help visiting companies understand these issues we have marked the ground plan with a pink triangle of the site, from birds' eye view and pink rectangle on the side elevation.

Please note:

The Safety Curtain must be operated with audience present and must not be obstructed by any permanent scenic elements. The Fire Exit Doors and associated escape routes must be always kept clear and accessible.

The steps at the side of the orchestra pit are not suitable for public access to the stage. Treads onto stage require the removal of up to 18 stalls seats.

Trap positions as marked on theatre ground plan.

Please contact Technical Management with any queries regarding the above.

Access routes through the workshop indicated by yellow floor paint must be always kept clear during get-ins, rehearsals, performances, and get-outs. The route parallel to the dock iron linking the ground floor corridor to FOH is the main access route for Box Office and FOH staff and a secondary fire escape route from the Box Office so if your production intends to use the workshop as a quick-change area or has major interval changes could you please inform us so that a suitable management plan can be put into place.

Please feel free to contact us to discuss further if you anticipate issues with this (i.e. if there is action DS of iron line) or if you wish to arrange a site visit.

Flying System

32 Counterweight flying sets.

All bars are single purchase apart from bars 15 and 16 which are double purchase. Single Purchase bar capacity 330kg, double purchase 300kg.

Structural Loadings

The Playhouse stage is rated as 7.5kN/m² floor loading with a point load of 4.5kN measured over a 300mm sided square. The timber grid has a loading capacity of 2.5kN/m². Pick-ups must use load spreaders arranged to cover a minimum of 3 purlins and loads must never be suspended from a single timber slat.

Advanced Bar

This is in the auditorium (marked in Green on the GP). It is set on two motors as access to this area is limited. It is ideal for moving light and speaker rigging. It has a maximum working load of 335kg. Due to these restrictions, we will not allow generic lighting to be rigged to the bar, as we are unable to access a suitable place to focus.

Exceptions can be made if you wish to bounce focus the bar, but this must be discussed with our Technical Manager prior to arrival.

Please note:

Counterweight flying operated from stage level SL.

Loading gallery above @ nominally 8.9m

Double purchase bars operated from SL perch @ 2.7m

Bars 30 – 32 operated from USL perch @ 2.8m

Standard flying width 10.67m

Extended flying width 12.78m (for cloths/soft goods)

Stage Equipment

Motors & hoists (Please check for availability as is shared kit)

1 Ton Loadguards 8m/min (LG10/1/8E/BS) * 2

*Note use of these may be required for suspension of catwalk truss if in use.

Distro/control 1

Manual chain hoists *4

*Note use of these may be required for suspension of catwalk truss if in use.

Hoist Power

Upstage left in the loading gallery is located a 63Amp three phase CEE-form supply which can be used for electric hoists.

Up stage right is an additional stage 32Amp three phase supply.

Masking/soft goods

Number	Item	Width (m)	Height (m)
1	Full black drape	12.5	8.5
1	Deep border	12	3.5
2	Deep border	13	3
1	General purpose border	12.4	2
1	No.1 Border	9.8	1.2
2	Half black drape	6	6
2	Legs	1.83	8
5	Legs	2.44	8.44
6	Hard black flat	2	6

There is a tab track mounted on the onstage side of the Loading Gallery to provide US/DS masking in the SL wing. The masking consists of 2m wide black serge legs with a 2m high slit on the centre line of each leg so that access points to stage are available on 1m centres.

Other

Harlequin 'Studio' Black dance floor to cover whole stage performance area.

Lighting Equipment

Advance notice must be given to the Head of Production or Technical Manager if you wish to use hired follow-spots, as each position takes out many seats from the upper circle back two rows, effecting booking sales.

Profiles

ETC S4 750w 14° fixed profile	18 (2 usually rigged FoH - can be moved)
ETC S4 750w 19° fixed profile	16 (8 usually rigged FoH - can be moved)
ETC S4 750w 26° fixed profile	10
ETC S4 750w 36° fixed profile	8
ETC S4 750w 90° fixed profile	2
Strand SL 15/32 (600w)	16 (+4 units fixed FoH)
Strand SL 23/50 (600w)	16
RJ 611SX 11° to 26° (1.2k)	6 (Fixed position FoH)

Selection of A and B size gobo holders and irises available. Top Hats also available.

Fresnel's

Patt. 243 (2kw)	8
Strand Cantata F (1.2kw)	14
CCT Starlette (1kw)	9
RJ 1K Fresnel	12

Floods

Strand Iris 1 (1kw)	10
Strand Iris 2	6
Strand Coda 4	8

Other

1kw PAR 64 long nose cans	36 (with a limited selection of lamps CP60, 61, 62)
Source 4 PAR	12 (with standard selection of lenses (please ask) and some barn doors (575w))
Birdies 240V	10
Gantom G22	10 DMX RGBW flood

Intelligent Fixtures (Please check for availability as is shared kit)

Mac TW1 80v	8 (narrow and wide lenses available)
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Accessories (Please check for availability as is shared kit)

Top Hat for S4 fixed profiles	12
Half Hat for S4 fixed profiles	8
Top Hat for S4 zoom profiles	15
Half Hat for S4 zoom profiles	8
Top Hat for Par 64	8
Half Hats for Par 64	10
Pars non stack FULL	6
Pars non stack half	2
Par Spill rings	6
S4 Irises	10
Tank Trap	10

Control

ETC GIO	1
ETC ION (Backup console)	1

DMX distribution to all areas via 4 5-way non-RDM DMX splitters.

Ethernet distribution to all areas via D-Link Web smart Switches with POE.

House lights dimmed via ETC Paradigm dimmer system that can either be controlled by the lighting desk or manually via 5 preset and fader outstations at control positions or via touch screen in DSL corner.

Dimming and Power Distribution

ETC Sensor+ dimming system with outlets to all areas (some duplicated sockets).

3kW dimmers	202
5kW dimmers	10
3kW Non-dim circuits	18

24 Ways of 2.5kw portable dimming via 2 x 12-way ETC Smartpack to socapex outputs. (USL Substage 200A supply to Power Lock to 2 63a 3 phase CEEform power distro, flight cased)

There is a 63a spare way on the distro.

All 5kW outlets are 32A CEEform, non-dim outlets are 16A CEEform.

Stage level, pros boom, box boom and loading gallery level 3kW outlets are terminated via 6-way Socapex outlets.

Gallery Bar, Gallery front, Circle front and FOH truss 3kW outlets are 15A.

All multicore is 6-way Socapex and all IWB's are 6 way Socapex input with 15A outlets.

63A 3Phase on Loading Gallery for Motors

Effects (Please check availability as is shared kit)

2 x Phillips Showline SL Nitro 310 360w LED Strobe
1 x Martin AF-Mk2 DMX fan
1 x Le Maitre MVS DMX haze machine
2 x Jem ZR44 Smoke machine
1 x Power tiny

Note: Consumables will be charged at cost

Colour/Gobo

The Playhouse has a very limited stock of colour and gobo's please contact the Technical Manager for further information.

Electrical Equipment

In accordance with the Electricity at Work Regulations, all mains powered equipment brought into the Everyman must be electrically safe. Evidence may be asked for that relevant safety tests have been carried out. A member of LMTT technical staff may refuse the use of any equipment if they consider it to be unsafe, or in the absence of appropriate certification.

Sound Equipment

Please check for availability

Mixers

- 1 DiGiCo SD11i console

Stageboxes

- 1 DiGiCo D-Rack c/w 24 analogue inputs, 8 analogue outputs.

Sound control position is in the rear stalls and is linked to stage via two 24-way XLR send multicores located DSR and two 16-way XLR return multicores to the amp room substage in addition to 4x MADi and multiple Ethernet connections.

FOH System

- 2 d&b C7 top serving upper circle rigged on advance truss.
- 4 d&b E9 serving circle and stalls rigged in pros booms.
- 4 d&b C7 Sub's (two in each auditorium box)
- D&B Amplification for System

Other Equipment

- 6 d&b MAX12 (x6 of which rigged as surrounds in Stalls & Circle auditorium)
- 4 EM Acoustics EM51 (In use as Front Fills)
- 2 D&B E6 (Rigged as Circle Out Fills)
- 4 DAS DS8 (Rigged as Upper Circle Surrounds)
- 8 JBL control 1 Delays for stalls and circle
- 2 T.Amp Quadro 500 DSP Amplifiers

The Playhouse also has the d&b R60 Rope CANBUS interface for remote control of d&b equipment.

Mics (Please check availability as equipment is shared between buildings)

- 2 Audio Technica AT835B condenser mics
- 2 Audio Technica ATM350
- 2 AKG C747
- 4 Shure SM 58
- 8 Shure Beta 58
- 4 Shure SM57
- 1 Shure Beta 57
- 1 AKG D112
- 4 AKG CK91
- 2 AKG C414
- 4 Sennheiser E604
- 1 Sennheiser Beta 52
- 1 Sennheiser Beta 91
- 8 BSS AR133 DI
- 2 ART DPDB Dual Passive DI

Loose Speaker Stock (Please check availability as equipment is shared between buildings)

2	D&B T10
6	D&B Max 12
4	D&B Max 15
4	D&B E3
2	D&B E5
14	D&B E4
4	D&B Q7
6	D&B E6
2	D&B E18 Sub

Playback (Please check for availability)

Main Playback Rack

Flightcase with Dual Redundant 2020 M1 Mac Mini with Qlab 4 Pro Bundle
48 way I/O USB MADI
Audio, video, and control switch over button
USB Extender
Remote playback trigger
APC Smart-ups 750VA LCD RM 2U 230V - Emergency backup power

Small Playback Rack

Dual Redundant 2012 I7 Mac Mini with Qlab 4
48 way I/O USB MADI
Audio, video, and control switch over button
Remote playback trigger

Radio Mics (Please check availability as equipment is shared between buildings)

There will be a cost for lavalier mic use.

6	Shure UR2/BETA58
12	Shure UR1M micro
12	Shure Dual URD4+

IEM Systems (Please check availability as equipment is shared between buildings)

4	Sennheiser EW300 G3
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Sound Power

63A single phase – USC, DSR & DSR substage.
32A single phase – DSL & DSR
16A single phase – control position

Please note: As part of our fire regulations sound /video mains will automatically switch off after three minutes in the event of the fire alarm being activated.

AV Equipment (Please check availability as equipment is shared between buildings)

There will be a small charge for use of projectors.

- 1 Panasonic PT-RZ990
- 2 Panasonic PTDZ870EK 8500 lumens WUXGA Projector (standard lens)
- 3 Panasonic Lens ET-DLE080
- 1 Panasonic ET-DLE030 Ultra Short Throw lens [0.38:1]
- 1 medium size front/back projection screen, 366cm by 274cm 4:3

Communications

The stage management prompt desk can be situated either stage left or stage right and up to a maximum of five meters from the pros wall. It comes complete with colour and infrared monitors of the stage, show relay monitor, front, and backstage paging and fourteen cue lights that are patchable to on stage and front of house positions.

There is a two channel Metro Audio comms loop that runs throughout the theatre, and we also have a Tempest 2.4GHz/900Hz wireless intercom system with 4 belt-packs.

Appendix A- Standard Working Day

We work hours and breaks in accordance with the prevailing UKT/BECTU agreement with single time hours between 0800 and 0000, double time hours between 0000 and 0800 and overnight infringement payments are made if there is not an 11-hour break between the end and start of working days and missed meal payments made if meal breaks are infringed. The following is the default schedule that will be followed with regards to meal breaks and session times allowing for 11hour overnight breaks. We are happy to deviate from this where necessary to accommodate working requirements, please ensure you inform the Technical Manager if you wish to work significantly different hours to the following.

0900	Start of morning session and Safety Briefing/Inductions as required.
1100	Morning tea break (15 minutes)
1300	Lunch break (1 hour)
1400	Start of afternoon session.
1545	Afternoon tea break (15 minutes)
1800	Supper break (1 hour) or end of call for 2 session day
1900	Start of evening session.
2145	Housekeeping and Tidy Up for 3 session day
2200	End of call for 3 session day

Appendix B- Liverpool Playhouse Hanging Plot

Hanging Plot						
	Theatre:	Liverpool Playhouse			Page:	1
	Show:				Date:	
Set	Distance from rear of pros m	Flown piece(s)	Live or Static	Dead height m	Weight kg	Notes
1	0.43					
2	0.62					
3	0.78					
4	0.98					
5	1.16					
6	1.35					
7	1.54					
8	1.74					
GAP						
9	2.38					
10	2.67					
11	2.86					
12	3.06					
13	3.25					
14	3.45					
GAP						
15 DP	4.18					
16 DP	4.42					
GAP						
17	4.75					
18	4.95					
19	5.16					
20	5.33					
21	5.52					
22	5.71					
23	5.90					
24	6.09					
25	6.26					
GAP						
GRID BEAM						
GAP						
26	8.02					
27	8.20					
28	8.39					
29	8.58					
GAP						
30	9.33					
31	9.53					
32	9.66					

Appendix C – Directions to Liverpool Playhouse <https://w3w.co/intent.study.angel>

Directions to Williamson Square

The only way to access Williamson Square is by driving through the City Centre.

If you come via Dale Street you will need take a left onto North John Street **L2 1TA** (Marked with green) and follow it down to where the road turns to the right.

At this point you want to GO LEFT onto the pedestrianised area (marked with red) which is the bottom of Lord Street. You will be met with bollards which work on a sensor. Green light go.

Lord Street then becomes into Church Street which you need to continue until you reach the turn between M&S and TK Maxx, then you will have to turn left onto Basnett Street (marked with orange).

At the end of that street, it is Williamson Square (Purple Circle).

Once on Williamson Square

Our loading dock is situated on the opposite side to where you enter Williamsons Square from Basnett Street.

Our crew will be on hand to open the gate and back the driver in.

Your driver will have pull up to next to the Liverpool FC store (marked yellow) facing away from the Playhouse to back into the dock (which is within the building (marked blue)) The loading dock is extremely tight, assistance will be required.

