

Welcome!

This is the Technical Specification for **Upstairs at the MAC**.

The venue is on the first floor of the building. See the Loading Access section for further details.



Please ensure you read this document fully - this will help ensure that you will have a straightforward and pleasant experience on-site at The MAC.

As a climate-conscious venue, we strive to reduce our carbon impact as much as possible in every aspect of production. We also strongly encourage incoming productions to consider the most ecologically-friendly ways to tour shows - from planning and transport, to energy usage and zero-production-waste. We are happy to provide local knowledge if it can help minimise our impact on the planet.

All measurements are in metres, unless otherwise stated.

All control equipment located in Control Room, unless otherwise stated.

Any questions or queries, please contact the Technical Team (tech@themaclive.com). E+OE

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Venue Capacities, Dimensions and Facilities

Principal Dimensions & Capacities

Audience seating	120
Standing	max 200 (subject to building-wide capacity)
Overall venue width	10.75m
Overall venue length (control room to US wall)	13.9m
Venue length (seats retracted to US wall)	13.2m
Stage width (wall to wall)	10.75m
Stage width (centred to curtain tracks)	9.5m
Stage width (between proscenium flats)	9.13m
Stage depth (DS setting line to US wall)	7.2m
Height (to underside of barrel grid)	5.12m

Standard Performance Dimensions

9m wide by 6m deep
with a 80cm walk around (no wings SL or SR)

Stage

Barrel grid throughout based on 1.2m pitch
Twin perimeter heavy-duty curtain tracks
Retractable stalls seating to create flat floor

Drapes

Black soft masking to suit one of two tracks

NB: Italian (on-off stage) masking not normally available in the space.

Control Room

The control room, for the operation of sound, lighting, AV and Stage Management, is located at the rear of the first tier. The room is partially open to the auditorium (at the usual audio mix position), and partially triple-glazed (at LX control).

Audio description is located in a separate booth (upper House Right), isolated from the audience by a single-pane glass window and a door that doesn't quite close.

Performance Lighting

PLEASE NOTE - THE MAC IS A 16A VENUE (CEEFORM OUTLETS)

Auditorium Lighting Positions

Barrel grid throughout based on 1.2m pitch

Control + Dimmers

ETC Element 1 (running Eos v2.x - latest compatible)
DMX and Ethernet throughout

ETC Sensor: 48x 3kW dimmer; 2x 3kW relay(non-dim)
- shared between all floor and ceiling outlets
4x Patchable Hot Power

Focus is done by scaffolding tower or ladders

Power Supply

Installed dimmers	160A TPN
US Centre	125A TPN (spare power)

Please note all power outlets are on Ceeform Type sockets.

A follow-spot position can be made available, if requested in advance. Please note that no follow-spot is available in-house.

Lantern Stock

20x	Selecon Rama 1kW Fresnel
8x	Selecon Acclaim 500W Fresnel
12x	ETC S4 Jnr 25-50
8x	Elation Z175 LED Par (175W LED RGBW source) (fixed positions above grid US+DS for colour wash)
max 10x	Floor boom bases
max 20x	LX boom arms

These LED based items form our 'generic' LX rig and draw considerably less power than conventional fixtures. We will always use these lanterns in preference for stage colour wash and will encourage you to do the same. (Rough positions denoted on plan below)

These are shared between our two theatre spaces and are subject to availability.

Performance Communications

- 1x Stage manager's desk (if not in use in Downstairs Theatre)
(sockets located USC void and in the control room)
- 6x cue light circuits (through Stage manager's desk only)
- 4x wired Canford intercom (6pin, 2ch type)
- 9x cue light outlets
- 10x intercom outlets

Audio show relay available to all backstage areas and dressing rooms

Audience Accessibility

A Sennheiser IR system is in place to facilitate necklace-style earphone receivers. Currently set-up with one channel for Audio Description (where provided by the company / show) and another channel for the show relay microphone.

Performance Audio

FOH PA system

Barrel Grid Mounted Loudspeakers

1x Martin Audio W3P per side;

NO SUBS AVAILABLE IN HOUSE

Powered by Martin Audio MA series amplifier with locked DSP

FOH fed from L+R (balanced analog from control room only)

Monitors / Effect Speaker PA

2x Barrel grid mounted Martin Audio W2 over stage area

4x Auxiliary amplifier channels (from which the W2 above are powered, if used)

16x Auxiliary amplifier outlets

Additional speakers, ALL subject to building-wide availability:

6x Martin Audio F10 Blackline loudspeaker

2x Martin Audio F12 Blackline loudspeaker

4x Martin Audio DD6 loudspeaker

1x Sennheiser ewG4 wireless IEM system w/ 2x beltpack Rx

Audio Mixing

Allen & Heath SQ5 w/ AR2412 stagebox and SQ Dante 64@ 96 card

AR2412:

24x analog XLR inputs (48kHz)

12x analog XLR outputs (48kHz)

Surface:

16x analog XLR inputs

12x analog XLR outputs

2x analog balanced jack outputs

1x AES XLR output

Other Audio Infrastructure

38x Microphone lines

18x Audio tie lines (in/out)

Dante Network (within venue only)

Microphone Spec

A selection of microphones are available on request. These are shared between our venue spaces and must be cleared with the Technical Team in advance.

At additional cost:

2x 4way JTS R-4 RF (comprising of 8x beltpack & 4x handheld Tx)

Performance AV and Playback

AV Equipment

- 1x Christie LWU701i (7k lumens, 1 chip DLP, WXGA)
(hanging central to seating bank, above centre of seating bank)
- 1x Fixed, retractible projection screen (16:10 ratio - 4m x 2.5m)
- 1x Roland V60HD video switcher
- 1x SDI tie-line (control room to/from DSL position)

Computer Playback / Sync

MacMini (2023 M2 Pro Model)
Software - Qlab v5 (licensed for Audio + Video only); Dante Virtual Soundcard

Cat5/6 + WiFi control network (no internet)
Elgato Stream Deck 15 running via network for Qlab/ETC Eos/Roland V60 over OSC
Dante Network (MacMini; SQDante; Dante USB-C AVIO)

Loading Access + Parking

Loading access is available from Edwards Street, BT1 2LR ([map here](#)).

NB: the intercom at the rear access is not in use - on arrival, please report directly to Box Office via the St. Anne's Square entrance.

For large, heavy and awkward items (props, set, staging, technical or other), it may be necessary to remove the bollards at the access point. This **must** be advised and discussed at least **one week** in advance, as we require written requests to the landlord for their removal.

Ingress/Egress will be either through the Downstairs Theatre Scene Dock (if available) or through another set of double fire-exit doors, all on the ground floor.

The narrowest point of ingress/egress is 1.6m wide x 2.1m tall

A medium-sized goods lift (3.6m[long] x 1.7m[wide] x 2.2m[door height]) is used to transport all equipment to the first floor, where the venue and scene dock are situated.

Access from Upstairs Scene Dock into Upstairs Theatre proper is by double doors (1.95m wide x 2.1m tall).

Please note that there is no on-site parking at The MAC.

For small vehicles (cars, car-form vans eg: Transporter, Kangoo etc), there is on-street (ticketed/app) parking on Academy Street, Exchange Street West and Talbot Street, whilst Saint Annes Square (ticketed) is a paid multi-storey.

For larger vehicles (LWB vans etc), there is a car park at Tomb Street/Corporation Street, or some larger on-street spaces (both ticketed).

For large vehicles (Luton-style and larger), we can arrange for unsecured parking off-site (and a return taxi), or Applegreen services both M1 southbound or M2 northbound can provide short-term facilities.

IMPORTANT NOTES

- Any proposed use of naked flames, pyrotechnics etc **must** be cleared well in advance of arrival.
- All scenery must be treated with fire-retardant spray (eg Flamecheck or Fire Check).
- All touring electrical equipment (lighting, audio, AV, other) must be Portable Appliance Tested (PAT) prior to arrival.
- All relevant Risk Assessments (RAs), Certificates and other documentation must be supplied in advance of arriving on-site (preferably no less than 6 weeks in advance, where possible).
- Crew requirements must be requested and mutually agreed in advance.
- The Scene Dock **must not** be used as a workshop and must always be kept clear.
- All venue fire procedures must be followed (no blocking fire routes, exits, extinguishers etc).
- All backstage areas painted red **must be clear at all times, with no exceptions.**
- **Painting of the stage floor is strictly prohibited.** Show floors are permissible but must be discussed in advance.
- Any incoming suspended items (electrical, masking, other) **MUST** have a known weight (in kg, including accessories), have correctly rated secondary safeties, be rigged by a competent and qualified operator, and be pre-approved by a MAC Technical Team Member.
- Incoming suspended items must be covered by your H+S protocols and included in your RAs.
- The theatre, back- and front-of-house areas are not a disposal facility. At the end of your visit, all production assets (set, props, costumes, branding, packaging, food waste etc) must be removed. If any area of the building has been left with detritus at the end of your visit, the MAC **will** engage professional waste disposal (at a cost of £250ex VAT) and **the cost will be deducted from your settlement / added to your bill.**

Appendix - Venue Plan

(to Scene Dock)

1m

Normal DS
setting line

Edge of
seating bank

Audience Centre

