



Technical Specifications

ARENA

Beeches Road
Walsall
WS3 1AG

01922 654555

what3words address: [///dance.zone.hush](https://www.what3words.com/address////dance.zone.hush)

The Arena is a flexible, multifunction space with a self-supporting truss structure of arched configuration for rigging of technical equipment and aerial-performance work. There is an elevated technical-control gallery at one end of the auditorium with a purpose-built platform for equipment and staff. Touring engineers may also operate from the Arena floor when appropriate. There is a rake of retractable seating, while floor-seating is added to raise audience-capacity up to a maximum of 606, depending on the depth and location of the mobile stage or dance floor.

Get-In

We have a wide, double-gate entrance to the adjoining main car park off Beeches Road, while a smaller, double-gated compound is provided immediately adjacent to the dressing-room end of the Arena. For load-in purposes, pedestrian access to the Arena space is through any of the 3 double-door fire-exits that are located on the car-park side of the hall.

Two of these load-in doors have a max width of 1600mm, and a max height of 2000mm, while the third is upstage and has a max width of 2400mm and a max height of 2240mm.

Parking spaces can be provided, but should be confirmed with the venue in advance.

Dressing Rooms

Situated backstage via a short, connecting passage and up a small flight of steps, there are two dressing rooms plus toilet and shower. There is a kitchen sink, small fridge, and ironing board with iron.

N.B:- *Please discuss with the venue in advance any special accessibility requirements.*

Venue Dimensions

Venue width	17m
Venue width (between truss legs)	15.7m
Venue length	36.6m
Apex of truss arches (bottom chord)	8.2m
Height of arch/truss-leg junction	6.5m
Height of purlins 1 & 6 (bottom chord)	6.2m
Height of purlins 2 & 5 (bottom chord)	7.4m
Height of purlins 3 & 4 (bottom chord)	8.2m
Height of end lower trusses (bottom chord)	5.2m

N.B:- *Purlins are the longitudinal trusses that link the main truss arches in the roof, with 1 and 6 being the outer purlins.*

Stage facilities and equipment

12	3m x 6m acoustic drapes (to create stage 'black-box' complete with four legs on swivels)
08	Load Guard BGV D8+ 1000Kg chain hoist motors
02	Road Crew 0.5T manual chain hoists
02	LiftinGear 1000Kg manual chain hoists
01	Guardian G-Pro: LV8 hoist motor controller
01	Genie GS-2632 scissor lift
01	Genie GR-20 vertical-mast lift
18	SICO 8ft x 6ft x 2.5ft mobile stage units with rails and two treads
20	Event-Deck risers (with leg-sets at 1.5ft, 2ft and 2.5ft).

Additional Stage Information

- Multiple stage and seating arrangements available - please contact the venue to discuss and finalise options
- Full 10m x 8m sprung dance-floor with mats
- OV40T 15m-wide box-truss (11m x 3m core), and two x 15m OV40T single spans
- All technical rigging operations to be supervised by the appropriate member of Arena staff or their representative
- Access equipment may only be used by trained persons holding a valid licence
- Appropriate PPE to be worn at all times during rigging operations.

Lighting

The auditorium is equipped with a fixed-in-place LED lighting rig that comprises of a mixture of profile and wash moving-heads, plus Cob LED pars. There is also a stock of loose washes and cobs. The rig is controlled over four universes of wireless DMX (1, 2 and 3 for fixed rig, and 5 for loose stock). A portable control-rack houses the wireless-DMX transmitters which are fed by 4 x 5pin DMX cables and transmit on 2.4 GHz. Each of the moving lights has an OEM Wireless Solution receiver card built in and the LED pars are connected with DMX cable to one Wireless Solutions wireless DMX receiver in the rig. There are Cat5 patch points at stage-right, at the mid-auditorium patch-bay and on the control gallery.

Dimming and Control

- 01 ETC Eos Apex 5 console
- 01 Avolites Tiger Touch 2 console
- 01 Avolites Tiger Touch fader wing
- 01 Avolites ART2000 PowerCube for 18 channels of dimming plus hot power
- 02 Wireless Solutions F2500 DMX Transmitters, with DMX receiver for LED Cobs
- 01 Swisson XND-8R Node and DMX splitter

Lighting Equipment

LED fixtures :

- 25 Prolights Studio Cob FC pars in rig, plus 15 loose stock
- 24 Prolights Diamond19 CC FC wash moving lights in rig, plus 10 loose stock
- 11 Prolights Luma1500SH - shutter profile moving lights in rig

Generic units available include Source 4, Selecon and Strand profiles, and Selecon fresnels.

Atmospherics

- 02 Le Maitre MVS Hazers

Sound

The auditorium is equipped with a PA system consisting of 10 EV passive, full-range speakers, flown in five pairs from consecutive truss legs, and 4 EV passive sub speakers, with their corresponding amplifiers located on the technical gallery.

A dedicated Cat5 socket is located stage-left, providing the link with the gallery, and at the mid-auditorium patchbay that also enables toured desks on the Arena floor to tie-in via XLRs to the house amplifiers, as required.

Sound Equipment

- 01 Allen & Heath Qu32 Digital Sound Desk (32 local mic inputs & 10 mix outputs)
- 02 Allen & Heath AB168 digital audio rack (16 mic inputs & 8 mix outputs)
- 10 EV EVF 1122S/64 Full-range speakers
- 04 EVF 1151S Subs
- 05 Q1212 amps (feeding main speakers)
- 02 Q66 amp (feeding subs)
- 01 EV DC-One Digital sound system processor

Radio Mic Frequencies

A Licence for channel 38 radio microphones is held by the Arts Centre. Please discuss requirements and any radio microphones you may need to bring onto site as other events that also need radio microphones may be happening in other spaces in the Arts Centre.

BE AWARE THAT THE ARENA'S WIRELESS DMX FOR LIGHTING TRANSMITS ON 2.4GHZ.

Projector / A.V.

The fixed A/V system includes three projectors, three 5m front-projection screens, four PTZ cameras flown at various positions around the truss structure, two stage-side patch-points for roving cameras, and a vision-mixing system on the technical gallery which can accept a variety of signal sources and from where the PTZ cameras are operated remotely. For the black-box stage, a separate, single-screen front-projection system is flown.

Projector / A.V. Equipment

- 01 Mitsubishi UD8400U 6,500 lumen projector, with two Kramer HDMI/Cat6 boxes
- 01 8m x 5.4m cyc featuring a letterboxed panel for widescreen projection
- 03 Christie DWX851-Q 7,500 lumen projectors
- 03 Flatmax 5000mm x 2810mm front-projection 16:9 screens
- 01 Blackmagic ATEM 1M/E Production Studio
- 01 Blackmagic ATEM 1M/E Broadcast Panel
- 01 Lumens KB30 Remote Camera Controller
- 03 Datavideo PTC-120 HD Cameras
- 01 Datavideo PTC-150 HD Camera
- 02 Datavideo DAC-70 A/D Converters

Power

- 02 32a single phase supplies which supply sixteen x 16a C-form sockets, one located by each truss-arch leg with a further two on the back wall.
- 02 63a single phase supplies which supply sixteen x 63a C-form sockets, one located by each truss-arch leg with a further two on the back wall.
- 02 32a 3phase supplies which supply sixteen x 32a C-form sockets, one located by each truss-arch leg with a further two on the back wall.
- 02 63a 3phase supplies which supply sixteen x 63a C-form sockets, one located by each truss-arch leg with a further two on the back wall.

Plus many 13a two-gang outlets throughout the auditorium, including sixteen around standard stage.

Health and Safety

Where appropriate, visiting companies must provide a risk assessment and safe system of working (RAMS) at least two weeks in advance of the production.

The Arena has the right to postpone or cancel any event, and remove persons and/or equipment if they pose a risk that is not being adequately controlled.

All companies requiring use of the Genie access platforms must provide copies of valid licences prior to arrival.

All rigging operations will be supervised by Arena staff or their representatives. Whenever truss units are in motion and during any period when the units have been lowered for the rigging of toured equipment, appropriate PPE must be worn and the number of personnel involved must be kept to an absolute minimum.

All visitors will be inducted to the venue by a member of the Arena staff, covering the following points:

- a) Fire alarms and evacuation
- b) First Aid procedure
- c) Accident reporting
- d) Welfare facilities
- e) General house rules

Booking Contact Details

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