

Technical Equipment (Stage / Stage Lighting / Sound/ Projection):

The equipment listed below is generally available to hirers of the rooms but please note the following conditions:

- Some equipment can only be used with the supervision of a Beehive Technical representative or approved person.
- Some equipment is fixed and therefore only available in a specific room.
- Some equipment may incur an additional charge over and above the room hire costs and therefore any requirements should be identified at the time of booking.
- A charge may be made to provide a Technician depending upon the circumstances.

In the listing below where the equipment can only be used in a specific room the room is identified by the following abbreviations:

JLA (Joanna Leach Auditorium), HR (Hayward Room), CB (Café Bar), LTR (Liz Tirard Room)

General Equipment:

Stage: (Normally in the JLA)

We have a [Prolyte Stagedex sectional stage system](#) that can be configured into many different shapes and sizes up to a maximum of 48m². Each stage section - we currently have 24 - is 1m x 2m which can be 300mm or 600mm high. They are locked together to form a complete stage area or multiple areas. Locking together is only possible with 'same height' sections. Sections can be stacked to gain 'risers'. With 600mm high stages (or higher) safety issues must be considered. We do not stock safety rails. High stages are normally placed against the rear wall for safety. Assembly is straightforward and would normally be carried out by Beehive personal as required. The stage sections can be relocated to other rooms.

We also have 2 x [Wenger 3 step choir risers](#) (1.8m x 46cm steps) primarily used for choirs but can be used to give elevation for other purposes.

Stage Trussing System: (JLA)

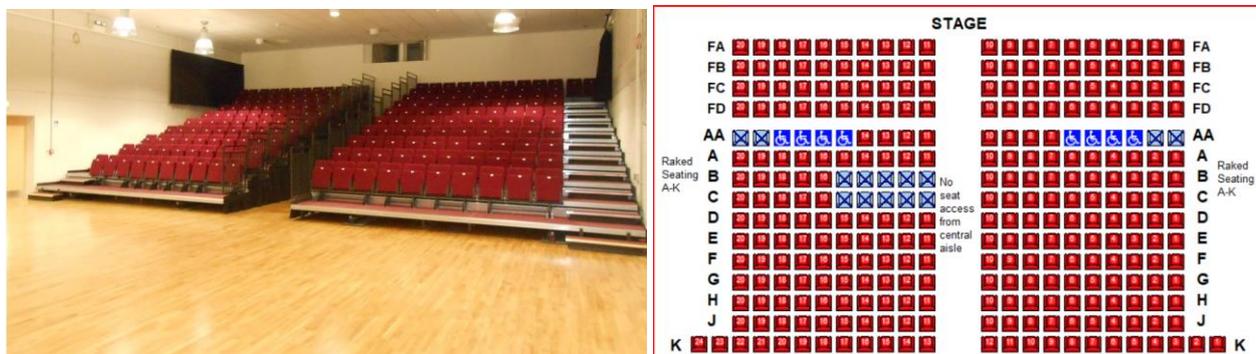
We have [Trio290 trussing](#) which can form various size front of house formats. At maximum it will form a 'Proscenium Arch' 4m high x 7m wide but this can be adjusted to a limited number of alternative sizes since it is sectional.

The system is augmented with scaffold tubing to enable wings at each side to be made to fill the JLA width. We have black wing curtains (tab style) available but no FOH curtains or tracks, although they can be hired in at additional cost.

The truss can be used purely to support lighting for 'rock' events or with curtains for Pantomime, theatre etc. The tubing can be used without the truss system to create side wings for events such as fashion shows.

Raked Seating: (JLA)

The raked seating has maximum seating capacity of 204 persons. It is possible to use only some rows of seats which will always start at the rear of the room and be continuous. In practice the minimum is 3 rows (60 seats).



(Note that the foreground of the photo is the stage end of the seating plan.)

It is possible to position control facilities such as sound mixing or lighting control desks within the raked seating in which case a minimum of 6 seats will be used for this and this should be allowed for, particularly if the seating is to be allocated at the box office. In the auditorium layout image above, 10 seats have been blocked out to accommodate a larger sound desk.

The position and size **must** be decided in advance to block out the area on the box office seating plan.

General Seating:

There is additional 'free' seating which can be located in any room. In the JLA it is possible to accommodate up to 100 extra seats in addition to the full raked seating, making 304 seats in total. Different combinations of raked and 'free' seats are possible in the JLA.

Projection Equipment:

The main projector (NEC Digital) is fixed within the **JLA** and is used for full high quality cinematic purposes. It can also be used for presentations and as part of a show. The fully retractable, ceiling mounted 4m x 7m screen is in a fixed position 1.5m off the 'stage end' rear wall.

Inputs to the projector system can only be HDMI. The associated sound is normally 5.1 (6 channel) but can be stereo. (See sound system below)

Input connections can only be within the projection room.

There is an additional fixed overhead projector in the JLA, designed to project onto the drop down main screen, which is relatively short throw and can be used over the heads of performers or for slide shows and presentations. Video and data inputs (HDMI / SVGA) are available at various points at floor level and the projector has remote control.

[Epson PT-AT6000E](#)

There are two further small **portable projectors** which can be used in any of the rooms and there are portable screens. Both projectors are short throw and intended for presentation of a large image over a short distance. Projection is possible onto the room walls for larger images. The projectors are:

1. Epson H556B
2. [BenQ GP20](#)

Stage Lighting Equipment: (JLA)

Only the JLA currently has any fixed stage lighting facility. This consists of three fully wired (IWB), and one externally wired, fixed overhead lighting bars strategically placed for a variety of alternative stage or performance locations based at the opposite end of the room to the raked seating.

Each bar can support a mixture of LED (colour wash), intelligent lighting fixtures and tungsten traditional theatre lanterns. The three internally wired bars (IWB) are connected to 2 x [12 channel Zero88 Chilli 1210i dimmer blocks](#), for the tungsten lanterns. The externally wired bar has a 4 channel DMX dimmer pack fixed to the bar.

Each bar has several 13A fixed supplies for intelligent light fixtures.

We currently have available (normally fitted to the bars):

- 9 x tungsten 650w Fresnel lanterns. (Selecon Acclaim / Strand Prelude)
- 5 x tungsten 500w Fresnel lanterns. (Strand Minim)
- 2 x tungsten 650w Zoom 18-32 Profile spots. (Selecon Acclaim)(with iris)
- 4 x LED RGB(L) Parcan 64 wash lights.(Cameo 4 / 6 Chan dmx)
- 4 x LED RGBA Parcan 64 wash lights.(Cameo 4 / 6 Chan dmx)
- 2 x ADJ TRI18S Flat RGB Parcans.
- 2 x Isolution Imove 250S moving head intelligent lighting fixtures. (16 Chan dmx)
- 4 x Showtec IW720 moving head LED fixtures (Currently set to 14 chan DMX mode)

We also have two 4 way (16A max) dimmer blocks which can be bar mounted or 'free'. These are DMX controlled and have IEC outlets. We have some IEC to 15A (socket) adaptors.

Click here to see [Lighting Grid Diagram](#):

Some of the Fresnel lanterns have barn doors and gel holders. (We currently stock very limited gel)

There is a 300mm single speed DMX switched mirror ball hung centrally in the JLA. (The Isolution moving heads are positioned to also be used as pin spots for this)

Our lighting control desk is a Zero88 Jester ML48. (Details and instructions manual available in legacy section of Zero88 website)

The whole system is **DMX controlled** with buffered lines to each overhead bar and distributed along each bar. DMX control points (5 pin) are fitted in three locations:

1. The projection room above & behind the JLA.
2. The stage right side of the room approximately halfway down the length.
3. The stage end back wall - stage right.

In addition the DMX distribution box is fitted in the stage gear store room behind the stage area and can accommodate a second input (normally merged but resettable) and also has a further output line (3 or 5 pin).

We also have a **wireless** DMX system with 1 transmitter and 3 receivers.

If more dimmers channels are required dimmer blocks can be hired in and there are 3 x 32A single phase supplies available in the stage store room behind the 'stage' wall for this. Two 16A supplies are fitted to the 'stage' rear wall.

The **fixed house lights** are not remotely controllable from the lighting desk but are independently dimmable and can be controlled from both ends of the JLA or from the projection room. We normally have a pair of flood lights bar mounted and DMX controlled to use as 'house lights' for shows.

Sound Systems: (JLA)

The MC² / Quedsted sound system installed within the **JLA** is designed for multipurpose use. There are 8 channels of sound for the 7.1 surround sound cinema and normally the two main channels double as FOH (front of house) PA system. However the system is multi configurable to utilize the additional channels in various ways to suit the event. Since this is complicated please consult our Technical team if you have any special requirements.

The system uses MC2 Audio E100, E45 & E475 amplifiers along with Quedsted LT10 & X18 loudspeaker units. Sound management is via MC2 Ti1048 digital processing.

The basic PA system is fully capable of achieving the maximum sound level (SPL) allowable within the JLA. The FOH loudspeakers are free standing and can be positioned to suit the event.

This system is only intended for use within the JLA.

Additional Sound Equipment:

The following sound equipment can be used in any location.

- [Sound mixing desk: 36 channel Alan & Heath ZED436](#)
- [Sound mixing desk: 4 mic / 2 line Alesis Multimix USB FX \(with FX\)](#)
- 4 medium quality dynamic vocal microphones.
- 6 high quality dynamic vocal microphones. (Shure SM58LC)
- 6 high quality dynamic instrument microphones. (Shure SM57)
- 6 medium quality vocal / instrument condenser microphones.
- 6 high quality instrument microphones. (AKG 414 / 451 etc)
- 12 microphone floor tall boom stands / 3 short boom stands.
- Stage box & multicore: 24 send, 4 return. 30m long.
- 3 stage monitor speakers. (wedge 2 way passive) (Ohm 250S). Also used as portable PA with amplifier & tripod stands listed below.
- 2 additional multipurpose full range 3 way speakers for additional monitors or FOH. (JBL Contact 10)
- 2 x 2 channel power amplifiers (MC² Audio T2000) to drive monitors (max 4 mixes - extra by prior arrangement) Mounted in portable rack.
- [Outboard reverb / echo / compression / de-essing Lexicon MX200](#)
- 2 x tripod speaker stands for mounting monitor speakers as side monitors or small PA.
- Large selection of 15m, 12m, 8m, 5m XLR mic cables.
- Speaker cables to enable various locations of PA speakers.

Additional equipment can be hired in but only by prior arrangement at the booking time and the costs may be added to the hire costs. Hire costs may be deducted from gross takings for Beehive events.

Although this list will be updated regularly additional items are being added as funds allow so if you have a specific requirement please ask - we may already have it available!