



# Cadogan Hall Technical Specifications

All equipment is subject to availability.

## STAGE INFORMATION

### STAGE

13m wide  
10m deep

The stage is level (i.e. no rake) and the surface consists of oak effect panels. A floor plan is available upon request.

A Black topped stage extension of 10.97mx3.35m with black serge skirt is available upon request. This MUST be booked at contracting stage. Will incur seating losses and cost implication. Please see hirers pack.

A show relay system is provided which includes audio and video from four colour cameras. These may be routed all over the building as required.

Backstage calls may be made from the side of the stage and from stage door.

A modular riser system is available that is designed to be built in three tiers.

8.4m Wide x 1m Deep. Heights of 200mm, 400mm & 600mm. Seats up to 51 people.

This system can be used in a number of different configurations using the sections shown below:

3 x 2.4m X 1m  
6 x 2m X 1m  
6 x 1m X 1m

We have sufficient legs to put the whole system at the 400mm height if required.

1x Wenger Conductors Podium with rail. Additional base podium available upon request.

1x Opera Conductors Music Stand, with oak desk

1x Double Duo Opera Conductors Light, mains operated

100x Amadeus Black Armless Orchestral Chairs

80x Opera Music Stands, with oak desks

45x Duo Opera Music Stand Lights, mains operated

12x Black Metal Quartet Stands

20X Stage Weights

1x Grey Metal lectern with Oak Panels. Fitted with 2x AKG412s and an internal shelf.

5x 10mx2m Harlequin black lino floor. Only available for dance.

Steinway Model D Concert Grand Piano Serial Number: 565412. Pitch A441. Colour: Black, Matt Lid.

Steinway Model V Upright Piano\* Serial Number: 563884. Pitch A441. Colour: Brown

\*This is the warm up piano located in dressing room 3.

Stage Power:

63A 3P+N+E Ceeform socket is provided USL and USR.

## ACCESS

**Passenger Lift** rises from Stage Door to Stage Level. The safe working load is 1000kg (evenly distributed).

Dimensions are as follows:

### Entrance:

1m wide  
2m high

### Internal:

99cm wide  
1m 54cm deep  
2m 27cm high



## SOUND SYSTEM

The front of house PA system is fixed and consists of the following speakers:

- 2X Flown eight segment Meyer LINA line arrays driven in stereo.
- 2X Flown Meyer 750-LFC sub speakers (driven from same output as the LINA array).
- 2X Meyer 900-LFC sub speakers on stage.
- 6X Meyer UP-4XP front fills.
- 2X Meyer UPM balcony fills.
- 2X Meyer UP-4XP balcony fills.
- 9X Meyer UPM delays under the balcony.
  
- 9X Additional UPM's around the Hall provide a separate surround sound effect.

## FRONT OF HOUSE EQUIPMENT

The main house console is Yamaha CL3, located at the rear of the stalls, some seats will be lost if used. A Yamaha QL1 is permanently installed in the control position at the back of the gallery. One RIO3224-D and one RIO1608-D permanently mounted USL giving a total of 48 physical inputs and 32 physical outputs.

- 1x Tascam CD-RW2000 CD Recorder
- 1x Denon DN-D4500 Twin deck CD player
- 1x RIO1608-D

## MICROPHONES

- 8X Sennheiser SKM handheld radio transmitters with E965 capsules
- 8X Sennheiser SK500 belt pack radio transmitters  
These are linked to a PC running management and diagnostic software.
  
- 7X DPA 4061 lapel microphones (black) with tie clips (Dmm0004) and string instrument clips (MH56001)
- 2X DPA heavy duty omni lapel microphones (black) (SCO60B00-H)
- 8X DPA to XLR adaptors for the above
- 2X DPA 4099P piano microphones with XLR adaptors
- 2X DPA 4066 headband microphones (black)
- 4X DPA d:fine headband microphones with directional capsules (beige)
- 2X DPA d:fine headband microphones with omnidirectional capsules (beige)
  
- 4X Shure SM58
- 2X Shure SM58S
- 4X Shure SM57
- 4X AKG 391 microphone bodies
- 4X AKG CK91 with pop shields
- 2X AKG 747
- 2X AKG 414
- 1X ElectroVoice RE20
- 1X Beyerdynamic M88 TG

Drum Kit Set including:

- 1X Audix D6
- 1X Audix i5
- 2X Audix D2
- 1X Audix D4
  
- 8X Klark Teknik DN100 active DI boxes

## MICROPHONE STANDS

- 30X Tall boom stands (tripod)
- 2X Straight pump stands
- 7X Small boom stands (tripod)
- 4X Weighted round bases
- 2X Small table stands for AKG 74



## MONITOR SPEAKERS

- 6X Meyer UM-100P powered stage monitor with custom cable looms
- 2X Meyer UPJ
- 3X Meyer UPM
- 1X Yamaha MS101 Mk.2 (this can be mounted on a microphone stand)

## PATCHING AND MULTICORE RUNS

- 2x CAT6 Tie Lines available from USL to FOH Control Position
- For multicore runs please allow 50m

## COMMUNICATIONS

A Tecpro communications system is fitted with connection points around the Hall and in backstage areas.

- 10X Tecpro Communication single channel belt packs
- 10X Tecpro single muff headsets
- 1x Tecpro double muff headset
- 2X Large flasher boxes for Tecpro system
- 1X AKG K271 headphones

The Hall is fitted with a Sennheiser infrared amplification system for the hearing impaired. Headsets are available from House Management upon request.

## Portable PA\*

\*available for use in the front of house spaces only

- 1X Soundcraft Spirit E12 mixing console
- 1X Behringer Ultragraph Pro FBQ3102 graphic equalizer
- 1X Nexo PS 8 Amplifier
- 2X Nexo PS 8 loudspeakers with stands
- 1X HHB "Burnit" CDR-830 CD recorder
- 2X Trantec S4.4 hand held microphones with boom stands

## VIDEO EQUIPMENT

In house projector is a Christie HD14K-M with a 2.8-4.5SX+/2.6-4.1 HD lens.

The Hall is fitted with a 10mX5.75m front projection screen, mounted on the back wall.

Two automated black legs convert the screen from 16:9 to 4:3 aspect ratio.

HDMI Patch over Cat5 available to projector from stage and sound positions.

- 1x 24" comfort monitor
- 1x House Laptop available for hire.

Spectra LED Surttitle Display Unit measuring 3mX0.5m.

Run by an MCTRL300 LED Video Processor.

Connection to the processor is via HDMI.

Spectra surtitle software reads a standard EXCEL file, it supports position and music cues, displays transition times.



## LIGHTING SYSTEM

House console is an Avolites Sapphire Touch, permanently installed in the control position at the back of the gallery.

Software Version v11.0

The house truss system is a bespoke design for the Hall.

The fixed standard open white rig incorporates an array of generic lighting to suit orchestras.

The fixed moving light rig incorporates a selection of spots, washes, pars and battens. See below.

**The standard open white generic focus is fixed. It cannot be re-focussed or coloured. Additional items cannot be added to the truss.**

The house lighting rig requires 4 DMX universes for operation.  
Additional universes are available for floor kit.

## FIXTURES ON THE TRUSS

- 9 x ROBE DL7S spots: MODE 3, 59ch
- 9 x JB Lighting A12 LED washlights: 38ch
- 40 x Source four Par CP62 (OPEN WHITE WASH ONLY)
- 12 x Source four 15-30 profiles (OPEN WHITE WASH ONLY)

## FIXTURES IN ROOF POSITIONS

- 6 x Clay Paky Stage Profile Plus SV: 33ch
- 2 x ROBE DL7S spots: MODE 3, 59ch
- 4 x Source four 15-30 profiles (OPEN WHITE WASH ONLY)

## FIXTURES ON THE BACK WALL

- 10 x Chauvet SlimPar Pro RGBA: 10ch
- 2 x Chauvet Colorado Batten 72 Tour: 13ch

**HOUSE LIGHTING PLANS AVAILABLE ON REQUEST.**

## FOLLOW SPOTS

- 2 x Robert Juliat Ivanhoe, permanently installed in the control position at the back of the gallery.

## ADDITIONAL EQUIPMENT

- 8 x Par 64 CP62 floor cans in black
- 1 x Unique 2.1 hazer
- 1 x Antari HZ-500 haze machine
- 1 x Elation eNode8 Pro, permanently rack mounted in our patch bay. IP Address: 2.10.10.1

## DIMMING

- 24 x ETC Sensor Plus 3kw dimmer channels located USL+USR.  
Available on 3x Socapex outputs and 6x16A per side.  
6 channels of hot power available on request.
- 12 x ETC Sensor Plus 3kw dimmer channels located in the Gallery seating Blocks A+P.  
Available on Socapex.

## SOCAPEX

- 2x 10m Socapex
- 4x 5m Socapex
- 6x Socapex – 16A fan outs

**FOR FURTHER INFORMATION PLEASE CONTACT TECHNICAL ON:  
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