

## Technical Specification

### Headlines

- No fixing/screwing to stage floor.
- Lighting focus is normally from genie. If using the tallescope you will need three people minimum for the focus.
- Max platform height for tallescope is 4.2 metres so you may have to trim bars below max height to use scope.
- There is an allowance for a maximum of two touring company vehicles to be parked at the rear of the venue for loading and unloading.
- The normal contract is for there to be one technician on duty to assist but not to operate shows.
- Please contact the technical manager well in advance to arrange extra crew and lighting/sound operators.

### Lighting Control

ETC ION with 2 x 20 fader wing with 2 touch screens and an iPod touch for riggers remote – 1024 channels.

138 Robert Juliat Tivoli Dimmer and 12 Zero 88 dimmers

Desk dmx 1 connected to Tivoli racks.

Desk dmx 2 connected to onstage buffer and 12 dimmers located stage right.

### Lanterns

- 16 E.T.C. Source 4 Zoom 15/30 750w
- 20 E.T.C. Source 4 Zoom 25/50 750w
- 16 Pacific 12/28 zoom Profile 600w
- 10 Pacific 26/50 zoom Profile 600w
- 6 Acclaim 650w zoom Profile
- 4 Vision 2500w Fresnel
- 20 R Juliat 1.2kw Fresnel
- 12 Strand Cantata Fresnels (10 sets of barn doors)
- 12 Acclaim 650wt P.C. c/w Barn doors
- 6 Acclaim 650wt Fresnel c/w Barn doors
- 30 Thomas 1kw CE Par-cans (cp62)
- 8 Thomas 1kw CE Floor-cans (cp62)
- 12 Selecon 1000w cyc Floods
- 2 R Juliat Cricket 1.2kw Follow spots.
- 4 Rouge 2 LED wash heads

We have a good supply of 16amp cable and splitters.

### Other

- 1 Jem ZR12 DMX Smoke Machine.

### Pianos:

Please notify the Technical Manager at least 2 weeks prior to your event if you require the use of the piano and for it to be tuned. Use of the piano is free, but the €120 cost of the tuning will be recharged if tuning is requested.

- 1 Steinway Model C
- 1 Boston Upright Piano

**Front of House Audio System and Control as installed summer 2023:**

QSYS control system with touch screen control for routing

Main System is running on redundant Dante Network.

1	Yamaha QL5	Mixing Console - 64 x mono, 8 x stereo, Buses: 16 mix, 8 matrix Local I/O:32 in/16 out,
1	Rio digital stage box	32 sends + 16 returns
1	SB168-es stage box	16 sends + 8 returns.
1	Stage left analogue	8 sends + 4 returns.
1	Stage right analogue	8 sends + 4 returns.

**Auditorium Speakers**

9	L Acoustic A10	passive 10inch speakers flown in 3 arrays of 3 boxes in L/C/R
2	L Acoustic KS28	passive double 18inch subwoofers flown .
4	Front Fills	L Acoustic X8
3	Delays	L Acoustic X8
2	Balcony fills proscenium	L Acoustic X8
2	Balcony fills at columns	L Acoustic 5XT
8	Surround sound speakers	L Acoustic 5XT

**Stage monitors**

8	L Acoustic X12	12inch speakers
8	Meyer UPM	active twin 5inch speakers
2	12 Inch	active subs with inbuilt adjustable crossover

**Amplifiers**

1	LA 12X
5	LA 4X

**Playback & Effects**

Mac Mini M1 16GB ram computer for preshow and house announcements.

QLAB 4 installed. Connection via Dante to main console for multi-channel connectivity

**Microphones**

2	Neumann KMS 105BK
2	Shure Beta 58
7	Shure SM 58
2	Shure Beta 57A
2	Shure SM57
6	DPA 4099
6	Sennheiser E614
4	Sennheiser E604
1	Sennheiser E902
2	AKG C1000s Condenser Mics.
2	DPA 4000 Series Mics.
4	Beyer Dynamic MCE 86N Rifle Mics.
1	Audio-technica Pro45 hanging condenser microphone.
1	MXL 2001 Large Diaphragm Studio condenser microphone

**Wireless equipment available at extra cost for certain event**

- 8 Sennheiser ew500 Radio Mic. Receivers
- 8 Sennheiser ew500 Transmitter Packs.
- 8 Sennheiser MKE 2-ew-3 Gold Lapel mic beige
- 2 Sennheiser ew500 Handheld Radio Mics.
- 2 Sennheiser MKE 2 EW lapel mic black

**Other sound equipment**

- 8 Radial Pro48 active single channel di box
- 3 Radial ProD2 passive stereo di box
- 2 EMO passive di box
- 12 Tall Mic Stands
- 8 Medium Mic Stands
- 4 Table stands.
- 30 XLR cables of various lengths

**Stage Information**

Basic Stage Dimensions:

Normal playing width accounting for masking	9.5 metres.
Normal playing depth line to back wall	7.8 metres.
Distance from upstage of pros wall to back wall	8.0 metres.
Lip of stage to back wall of stage	8.7 metres.
Max pros opening if curtains are tied up	12.08 metres.
Lip of stage to front row of seats	1.85 metres.
Access width between stage and scene dock	1.55metres.
Max trim height to hemp bars	6.6 metres.
Max trim height to Lighting trusses	6.6 metres.

The flying system consists of 6 trusses, 2 front of house and 4 onstage and 17 manual bars onstage.

Lighting trusses SWL is 250KG. (400KG less weight of truss and IWB)

Manual hemp bars SWL is 150KG. (200KG less weight of bar)

**Height Access**

Please consult with the Technical Manager prior to your arrival as some types of height access will require extra staff to operate safely.

- 1 Genie GR 20 runabout (can be operated by house crew or those with the relevant cert)
- 1 Tallescope 50512 (may require extra staff and reduced trim height) platform height 4.2metres
- 2 Zarges Skymaster 1 x 12rung and 1 x 14 rung
- 2 smaller step ladders

**Communication**

- 1 No. Power Supply SA-CPS2
- 1 No. Relay Microphone rigged over audience.
- 4 No. Single Channel Belt packs
- 4 No. Single Muff Headset SA-CMS1
- 1 No. Cue Light Base Station SA-QL8
- 6 No. Cue Light Out Station SA-QLOS

**Drapes/Masking**

- 1 Graphite coloured House Curtains on manually operated track with rope. Permanently installed.
- 1 Graphite coloured Border permanently hung on the PA truss.
- 1 Black wool serge mid tab on track 2 x (7m wide x 6.8m high)
- 1 Black wool serge 2 x (7m wide x 6.8m high) on track between bar 16 and 17 in front of cyc.
- 4 Black wool serge borders 1m drop.
- 1 Black wool serge borders 2m drop.
- 12 Black wool serge legs 2m wide x 6.5 metre drop.
- 2 Black wool serge legs 1.5m wide x 6.5 metre drop
- 2 Black wool serge 7m wide x 6.5 metres high
- 1 Filled Cyclorama Cloth

**Stage Equipment**

- 1 13 metre x 9 metre Vinyl Dance Floor
- 10 Stage Braces
- 24 Stage weights
- 8 Boom bases
- 8 2.5 metre pipes
- 5 5 metre pipes
- 1 6 metre pipe

We have a selection of other pipes of various lengths. You should check prior to your arrival.

**Laundry**

- 1 6.5 kg washing machine, token operated but free.
- 2 large dryer.
- 1 iron
- 1 ironing board

**Projection****Cinema Projector – only available for screenings and should be requested at time of contract.**

- Projector Sony 4k Cinema projector 15,000
- Audio processor Dolby CP750 outputting in 5.1 surround sound.
- Audio Uses full L Acoustic audio system.
- Screen 7 metre wide cinema screen located down stage of the main curtains.

**Stage projection – rate is €75 per day**

- Projector Epson EB-PU2010B 10,000 lumens laser projector.
- Lens Epson ELPLU04 .64 - .77 – can cover entire cyclorama from LX 1 with no key stoning required.
- Connection Cat6 Cable from Krammer Scaler in control room to HDBaseT connection on projector. HDMI cable available for connection in stage area.