

# Victoria Concert Hall Technical Specifications



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9 EMPRESS PLACE #02-01  
SINGAPORE 179556

## HOUSE RULES

**\*For the safety of everyone, an in-house technician must be present in the theatre before any equipment is switched on or brought to use**

### 1. HEALTH AND SAFETY

- 1.1. All works carried out must comply with the Workplace Safety and Health (WSH) Act
- 1.2. It is **compulsory** for the Hiring company to conduct their own Risk Assessments with respect to their specific onstage activities, a copy must be submitted to the Venue Technical Production on the **first day** of setup
- 1.3. Personal Protective Equipment (PPE) should be worn at all times during technical setup and strike *i.e. Safety Shoes*

### 2. EATING/DRINKING

- 2.1. No Food or Drinks (aside to bottled plain water) allowed onstage.
- 2.2. If the performance requires consumption of food or drinks, please consult Venue Technical Production

### 3. FIRE HAZARDS i.e. OBSTRUCTION OF FIRE CURTAIN/ FIRE RETARD SCENERY/ HANGINGS

- 3.1. All cloth sceneries hung are required to be fire retarded and a copy of the certification to be submitted to Venue Technical Production
- 3.2. Fire doors located near the edge of stage cannot be obstructed, if a set is required to be extended beyond the fire door, please consult Venue Technical Production

### 4. PROFESSIONAL ENGINEER ENDORSEMENT

- 4.1. LED Wall of 3.2m and above has to be endorsed by a Professional Engineer
- 4.2. Any flown sets may require additional endorsements subjected to Venue approval
- 4.3. All platforms **must** be endorsed. The requirement for endorsement is subjected to construction drawings and/or activities on platform
- 4.4. A Certificate of Supervision by the Professional Engineer is required for every structural set endorsed

### 5. LICENSED ELECTRICAL WORKER

- 5.1. The use of Venue's 3phase power or higher and/or additional Distribution Box (DB) brought in by hirer, requires Venue's appointed Licensed Electrical Worker (LEW) to be present for power turn on
- 5.2. An endorsed copy of the Single Line Drawing would need to be submitted to Venue's appointed LEW
- 5.3. Hirer's own appointed LEW is also required to be present onsite during the Power Turn-on
- 5.4. Venue's appointed LEW are to be engaged by hirer directly, all rendered fees are to be borne by hirer
- 5.5. Contact for Venue's appointed LEW\*:

**MR TAN WEI PENG - ATEK Engineering Pte Ltd, TEL: (65) 9696 5439, Email: wptan@atek.sg**

***\* Kindly note that Venue's LEW will solely represent the interests of AHL as venue LEW and will not undertake the role as hirers' LEW.***

### 6. STAGE EFFECTS (PYRO/ FIRE/ SMOKING/ WEAPONS/ CONFFETI)

- 6.1. Venue **MUST** be informed a week before bump-in or at the earliest opportunity that the hirer intends to use special effects. The full details along with risk assessments must be supplied:
  - *Letter of No Objection must be obtained from the venue prior to application of SPF Permit*
  - *Layout of Safety Radius (Pyro/Fire)*
  - *License to operate from the Contractor or Vendor*
- 6.2. The act of smoking is prohibited by Law in Singapore
- 6.3. Weapons that cannot be bought off the shelf *i.e. replicas*, requires police permit
- 6.4. Use of confetti is subjected to Venue approval

### 7. HUMAN FLYING/ ACROBATIC PERFORMANCE

- 7.1. Venue Technical Production has to be consulted prior to any request for human flying

## **8. DAMAGED STAGE PREMISES/ EQUIPMENT/ PAINTING OF STAGE**

- 8.1. Hirer will not make changes to the existing stage floors/ walls, *e.g. painting stage floor/ proscenium walls* without prior approvals from Venue Production **\*Stage restoration to its original state shall be borne by hiring company**
- 8.2. Any painting on stage requires a protective covering on stage floors or any venue equipment
- 8.3. Certain type of tapes is not allowed on stage. Hirer is to inform venue of the type of tapes intended for use, subjected to approval by Venue Technical Production
- 8.4. No Drilling on Orchestra pit allowed
- 8.5. No tapes are allowed to be used on Venue soft goods
- 8.6. Repairs for any damages to stage or venue equipment caused by hirer or contractors hired by the hiring company will be charged to hiring company accordingly.

## VICTORIA CONCERT HALL SPECIFICATIONS

|  |                           |
|--|---------------------------|
| Total Seating Capacity                       | 673 seats                 |
| Stall Seating Capacity                       | 538 seats                 |
| Circle Seating Capacity                      | 135 seats                 |
| Wheelchair Space (8 seats for 4 wheelchairs) | Stalls Row A1-A4, A20-A23 |
|  | Stalls Row B1-B4, B21-B24 |

### **LOADING AREA** (via Victoria Theatre)

The Loading Area is on Empress Place accessed by OLD PARLIAMENT LANE and CONNAUGHT DR.

The Theatre's Side Stage Right area is accessed via the Loading Bay

|                          |                          |
|--------------------------|--------------------------|
| Dock Height from road    | 1.26m                    |
| Loading Bay Door Opening | Width 3.4m, Height 4.02m |

### **Cargo Lift (Shared)**

|        |         |
|--------|---------|
| Height | 2.2m    |
| Width  | 2m      |
| Depth  | 3.1m    |
| SWL    | 4,000kg |

## **FACILITIES**

### **Dressing Rooms**

|                       |                         |              |
|-----------------------|-------------------------|--------------|
| Level 1M              | Male Changing Room 1    | Up to 30 pax |
|                       | Male Changing Room 2    | Up to 30 pax |
|                       | Female Changing Room    | Up to 30 pax |
| Level 2 (Stage Level) | Conductor Dressing Room | 1 pax        |
|                       | Salon 1                 | 2 pax        |
| Level 2M              | Salon 2                 | 2 pax        |
|                       | Salon 3                 | 4 pax        |
|                       | Green Room              |              |

**\*All Dressing rooms comes with attached Toilet.**

## STAGING TECHNICAL SPECIFICATIONS

### 1. STAGE SPECIFICATIONS

|   |                        |                                 |
|---|------------------------|---------------------------------|
| <b>Floor</b>  | Parquet floor          |                                 |
|   | Loading of Stage Floor | 7.5Kn/m <sup>2</sup>            |
| <b>Main Stage</b>                                   | Main Performance Area  | 19.08m (width) by 9.56m (depth) |
|   | Height of Apron        | 0.96m                           |
| <b>Depth from Downstage edge (Setting Line) to:</b> | Rear Stage wall        | 9.56m                           |
| <b>Width from Centre line to:</b>                   | Stage Left Door (PS)   | 9.64m                           |
|   | Stage Right Door (OP)  | 9.45m                           |

#### 1.1 STAGE RISER SPECIFICATIONS

- Default riser set-up. (Please see attached plan)
- Stage riser layout can be modified to Hirer's need.
- Extra man hour and manpower are needed to make the modification.
- All cost incurred to modify and reset to default layout, will be borne by hirer.

### 2. RIGGING SPECIFICATIONS

**All overhead elements must be rigged with rated equipment, fitted and installed by qualified personnel. Rigging Certificate must be presented to Victoria Theatre Management prior to rigging work commencing.**

|   |                  |   |
|---|------------------|---|
| <b>Fly Operation</b>                          | Control          | Stage Technologies (MMP – Mobile Maintenance Panel) |
|   | Location         | Control Panel Point@ DS (OP/PS)                     |
| <b>Fly Linesets (LX)</b>                      | Quantity         | 06x Electric (LX) Protrac bars                      |
|   | Dimensions       | LX 1 – 5 are 13.85m (length)                        |
|   |                  | LX 6 is 11m (length)                                |
|   |                  | 50mm (diameter)                                     |
|   | Maximum Capacity | 420kg (UDL)/ 330kg (LX bar 6 UDL)                   |
|   | Speed            | Single speed 0.095m/sec                             |
| Maximum Fly bar Height                        | 10m              |   |
| <b>Fly Linesets (Acoustic Reflector bars)</b> | Quantity         | 04  |
|   | Dimensions       | 14m (length)  |
|   |                  | 60mm (diameter)                                     |
|   | Maximum Capacity | 420kg (UDL)   |
|   | Speed            | Single speed 0.095m/sec                             |
| Maximum Fly bar Height                        | 10m              |   |
| <b>Chain Hoist</b>                            | Quantity         | 04 – Chain Master Hoist                             |
|   | Maximum Capacity | 1000kg  |
|   | Speed            | Single Fixed Speed                                  |

### 3. WORK PLATFORM

|                               |   |                             |
|-------------------------------|---|-----------------------------|
| <b>Platform Ladder</b>        | Aluminum Step Ladder with Platform                      | 01 unit of INALEX PROP9/6   |
|                               | Maximum Height/ Platform Height                         | 2.7m/ 1.8m                  |
| <b>Elevated Work Platform</b> | Electricity operated one- man elevated working platform | 01 unit of <b>Genie 30s</b> |
|                               | Maximum Height  | 9.41m (Platform Height)     |

## 4. Piano

| Piano                              | Pitch | Tuning Cost |
|------------------------------------|-------|-------------|
| 1 Unit Yamaha CF6 - 7' Grand Piano | A=442 | \$200.00    |
| 1 Unit Yamaha YUS-1                | A=442 | \$125.00    |

- *Use of the piano is allowed based on arrangements made prior to Get in dates. Victoria Theatre must have the piano tuned before every performance and the cost will be borne by the hirer*

## LIGHTING TECHNICAL SPECIFICATIONS

### 1. PRODUCTION LIGHTING

Upgrades and other design changes may alter venue specifications over time. This information is subject to change, without notice. Hirers are urged to ensure they are in possession of the most recent documentation. Specific requirements must be verified on a show-by-show basis

### 2. EQUIPMENT SET UP & OPERATION

All in-house equipment will be operated by Victoria Concert Hall staff, Concessions to this practice may be granted, under special circumstances, through prior consultation. All hired equipment will be setup under the direction of visiting personal but may be operated by either party.

### 3. ELECTRICAL SAFETY

All electrical equipment, brought on site, is expected to conform to local codes, be of good quality and good repair. Suspect equipment may be subjected to an Electrical Safety Test and the Victoria Concert Hall reserves the right to disallow its use

### 4. POWER SUPPLY

|                                  |   |
|----------------------------------|---|
| Local Power Supply               | 220 – 240 volt, single phase, 50Hz        |
| Standard stage fixture connector | 16A Ceeform CEE17                         |
| General Power Outlet (GPO)       | 13A UK type                               |
| Additional Power                 | 125A split to 2x 63A & 2x 32A (all 4PE+E) |

### 5. SYSTEM & CONTROL

|                               |                           |
|-------------------------------|---------------------------|
| Computerized Lighting Control | Grand MA 2                |
|                               | Ultralite Grand MA 2 Lite |
| Dimmer                        | MA Lighting dimMA         |
| House & Work Lights           | ETC Paradigm              |
| Data Interface                | ACN / DMX 512             |

### 6. BASIC RIG

A basic pre focused orchestra rig exists. Any change is subject to prior agreement and charges for may incur restoration. Please peruse the standard rig plan which consists of:

|                 |  |    |
|-----------------|--|----|
| Profile/ Leko   | ETC Source 4 fixed spot, 750w 14°                | 02 |
|                 | ETC Source 4 fixed spot, 750w 19°                | 02 |
|                 | ETC Source 4 fixed spot, 750w 26°                | 01 |
|                 | Robert Juliat 611 11° to 26° 1Kw zoom            | 10 |
| PAR             | ETC Source 4 Par MFL                             | 51 |
| Fresnel         | Robert Juliat 310HF 1.2w Fresnel, with Barndoors | 04 |
| Moving Fixtures | *Martin Mac 700 Profile                          | 04 |
|                 | *Martin Mac 700 Wash                             | 04 |
|                 | Martin Mac TW1                                   | 04 |
|                 | Varilite VL1100 TID (without gobos)              | 05 |

**\*\$15.00 daily charge per Martin mac700 or \$75.00 weekly charge per Martin Mac700**

**\*Charge applicable only when fixtures are used**

## 9.2 Spare fixtures available

|               |  |    |
|---------------|--|----|
| Profile/ Leko | ETC Source 4 fixed spot, 750w 14°                | 04 |
|               | ETC Source 4 fixed spot, 750w 19°                | 04 |
|               | ETC Source 4 fixed spot, 750w 26°                | 05 |
|               | ETC Source 4 fixed spot, 750w 36°                | 04 |
|               | Robert Juliat 611 11° to 26° 1Kw zoom            | 02 |
| Fresnel       | Robert Juliat 310HF 1.2w Fresnel, with Barndoors | 05 |

## 9.3 Supplied Accessories

|                         |    |
|-------------------------|----|
| Iris for ETC Fixed Spot | 08 |
| B size Gobo Holder      | 08 |

### Please take note:

- Usage of spare fixtures will be subject to additional set up cost and time. Please discuss during the production meeting
- Moving lights have fans inbuilt for cooling. These have a slight noise that may not be ideal for your performance. Please discuss during the production meeting.

## 7. VT LIGHTING COLOUR LIST

|       |     |                      |                       |       |                         |                       |         |
|-------|-----|----------------------|-----------------------|-------|-------------------------|-----------------------|---------|
| Lee   | 009 | PALE AMBER GOLD      | Lee                   | 136   | PALE LAVENDER           |                       |         |
| Lee   | 013 | STRAW TINT           | Lee                   | 143   | PALE NAVY BLUE          |                       |         |
| Lee   | 020 | MEDIUM AMBER         | Lee                   | 147   | APRICOT                 |                       |         |
| Lee   | 036 | MEDIUM PINK          | Lee                   | 152   | PALE GOLD               |                       |         |
| Lee   | 048 | ROSE PURPLE          | Lee                   | 153   | PALE SALMON             |                       |         |
| Lee   | 058 | LAVENDER             | Lee                   | 154   | PALE ROSE               |                       |         |
| Lee   | 061 | MIST BLUE            | Lee                   | 156   | CHOCOLATE               |                       |         |
| Lee   | 068 | SKY BLUE             | Lee                   | 161   | SLATE BLUE              |                       |         |
| Lee   | 071 | TOKYO BLUE           | Lee                   | 174   | DARK STEEL BLUE         |                       |         |
| Lee   | 079 | JUST BLUE            | Lee                   | 181   | CONGO BLUE              |                       |         |
| Lee   | 104 | DEEP AMBER           | Lee                   | 200   | DOUBLE C.T BLUE         |                       |         |
| Lee   | 105 | ORANGE               | Lee                   | 201   | FULL C.T BLUE           |                       |         |
| Lee   | 106 | PRIMARY RED          | Lee                   | 202   | HALF C.T BLUE           |                       |         |
| Lee   | 116 | MEDIUM BLUE-GREEN    | Lee                   | 203   | QUATER C.T BLUE         |                       |         |
| Lee   | 117 | STELL BLUE           | Lee                   | 204   | FULL C.T. ORANGE        |                       |         |
| Lee   | 119 | DARK BLUE            | Lee                   | 205   | HALF C.T. ORANGE        |                       |         |
| Lee   | 120 | DEEP BLUE            | Lee                   | 228   | BRUSHED SILK            |                       |         |
| Lee   | 124 | DARK GREEN           | Lee                   | 281   | THREE QUARTER C.T. BLUE |                       |         |
| Lee   | 126 | MAUVE                | Lee                   | 228   | BRUSHED SILK            |                       |         |
| Lee   | 132 | MEDIUM BLUE          | Lee                   | 281   | THREE QUARTER C.T. BLUE |                       |         |
| Lee   | 134 | GOLDEN AMBER         | Lee                   | 500   | DOUBLE NEW COLOUR BLUE  |                       |         |
|       |     |                      | <b>LEE EQUIVALENT</b> |       |                         | <b>LEE EQUIVALENT</b> |         |
| Rosco | 02  | BASTARD AMBER        | Lee 162               | Rosco | 305                     | ROSE GOLD             | Lee 151 |
| Rosco | 04  | MEDIUM BASTARD AMBER | Lee 004               | Rosco | 318                     | MAYAN SUN             | Lee 008 |
| Rosco | 07  | PALE YELLOW          | Lee 007               | Rosco | 339                     | BROADWAY PINK         | Lee 128 |
| Rosco | 21  | GOLDEN AMBER         | Lee 021               | Rosco | 114                     | HAMBURG FROST         | -       |
| Rosco | 26  | LIGHT RED            | Lee 26/106            | Rosco | 119                     | LIGHT HAMBURG FROST   | -       |
| Rosco | 67  | LIGHT SKY BLUE       | Lee 352               | Rosco | 132                     | QUARTER HAMBURG FROST | -       |
| Rosco | 78  | TRUDY BLUE           | Lee 366               | Rosco | 363                     | AQUAMARINE            | -       |



## SOUND TECHNICAL SPECIFICATIONS

### 8. **CONSOLE & PLAYBACK** \*Digital Live Mixing Console

|                |   |                                |
|----------------|---|--------------------------------|
| Front Of House | DiGiCo SD9 <b>Software ver. 6.1.760</b> | 01                             |
|                | D-Rack: 32in 8out                       | 01                             |
|                | Tascam CD-500B                          | 02                             |
|                | Position                                | Rear of Audience stall seating |

*\*If CD or Laptop Playback is extensively utilized for performance or cues, hirer should provide their own Playback Operator. Technical crew may be called in to operate this task and is additional manpower to the show call. A detailed and accurate cue sheet should be provided along with a script or run-down.*

### 9. **STANDARD RIG**

A standard sound rig exists. All expenses related to varying, removing and restoring the House Rig are to be borne by the Hirer.

|                            |                      |
|----------------------------|----------------------|
| Flown Array Left and Right | 03 X d&b Q1          |
| Flown Array Left and Right | 01 X d&b Q7          |
| Front Fills                | 08 X d&b 4S          |
| Delay speakers             | 06 X d&b E5          |
| *Monitors/ Wedges          | 02 X Outline Eidos12 |

### 10. **MICROPHONES & MIC STANDS**

Although Victoria Concert Hall provides a standard quantity of microphones, additional units may be requested subject to availability as they are shared among venues. The hirer should bring in any microphone that cannot be catered for.

#### 10.1 Dynamic Microphones

|                       |                       |    |
|-----------------------|-----------------------|----|
| Dynamic Microphones   | Sennheiser MD421      | 04 |
|                       | Shure SM58            | 04 |
|                       | Shure SM57            | 06 |
|                       | Shure Beta 52A        | 01 |
| Condenser Microphones | Audio Technica AT8668 | 02 |
|                       | Audio Technica U857Q  | 02 |
|                       | AKG C414 XL II        | 04 |
|                       | Neumann KM184         | 04 |
|                       | Shure Beta 87A        | 04 |
|                       | Shure Beta 98H        | 04 |
|                       | Shure KSM9            | 06 |
|                       | Schoeps MK4           | 04 |
| Schoeps MK41          | 04                    |    |
| Direct Injection Box  | BSS AR-133            | 02 |

## 11. SHURE UR4D RF SYSTEM

**Frequency Range: Shure L3E 638 – 698 MHz**

|                                       |             |
|---------------------------------------|-------------|
| Shure UR4D Receivers                  | 06 channels |
| Shure UR2/KSM9B Handheld Transmitters | 06          |

*\*Only Duracell Batteries are specified for use with the Shure Wireless System*

## 12. EXTERNAL WIRELESS SYSTEMS

**12.1 Do consult Technical Production where additional hired RF units are required as these should not conflict with the ones provided by the Victoria Concert Hall.**

**12.2 Where external RF systems are brought in, hirers are to provide an RF operator.**

## 13. DISTRIBUTION & OTHER FEATURES

### Communications

|   |                                     |
|---|-------------------------------------|
| <b>Stage Manager's Desk (Stage Right)</b> | Production Video Monitor            |
|   | Cue Light Master Station            |
|   | Paging System                       |
|   | Intercom Master                     |
| <b>Cue Lights and Accessories</b>         | Up to 04 discreet Out Station Units |
| <b>Intercom and Accessories</b>           | Clearcom System                     |
|   | Ring Intercom Beltpacks             |

*\* All Essential Sound, Lighting, Fly and Followspot operators are provided with Intercom Sets.*

### Paging & Relay

|                  |  |
|------------------|--|
| Paging System    | Paging System for Dressing Rooms and Corridors       |
| Audio Show Relay | Show Relay is routed to dressing rooms and Corridors |

*\*The provision of conductor cameras is subject to availability as they are part of a shared inventory among venues*

All information above are subjected to changes and is correct as of date below – please contact venue for latest information.