

# Technical Specifications (Concert Hall)

## TECHNICAL INFORMATION

### **CONCERT HALL**

#### SEATING CONFIGURATION

Maximum Seating Capacity: 560 + 68(restricted view seats)

Stalls: 378

Circle: 182

Restricted View: 68

Choir Wagon: 80 (For performers only)

The venue also has specific areas for patrons that are non-transferable from wheelchairs.

#### STAGE SPECIFICATIONS

Floor composition: 22mm T&G timber over 2 layers of 18mm plywood and 50mm solid battens

Stage Dimensions: 15.6m(W) – 13.8(W) x 10.8m(D)

Tiered Riser Dimensions:

(Tier 1, lowest): 9.2m(W) x 0.2m(H) x 1.2m(D)

(Tier 2): 9m(W) x 0.35m(H) x 1.9m(D)

(Tier 3): 9.3m(W) x 0.5m(H) x 2.1m(D)

(Tier 4, highest): 10.4m(W) x 0.65m(H) x 2.5m(D)

Choir wagon dimension: 4m(D) x 12.1(W)

Stage Maximum Laden Weight Load: 7kn/m<sup>2</sup>

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### CONCERT HALL

#### ELECTRICAL SPECIFICATIONS

Dimmable Output: 3kw Strand EC21 Dimmer Modules

Non Dimmable Output: 3kw Strand EC21 Non-Dimming Modules

Local Electrical Power Supply: 400 volts, 3 phase, 50 Hz & 230 volts, Single phase, 50 Hz

Available Power Output @ Stage Left (LEW endorsement and single-line drawing required):

General Usage: 2 x 32amp, 2 x 63amp & 2 x 125amp 3 phase

Sound Usage (Technical Earth Power): 1 x 63amp 3 phase | 1 x 32amp & 1 x 63amp Single phase

Available Power Output @ Bridge: (LEW endorsement and single-line drawing required)

General Usage: 2 x 32amp & 1 x 63amp 3 phase

#### DRESSING ROOM SPECIFICATIONS

Each dressing room is equipped with:

Audio & video stage relay systems

Paging system (from Stage Manager's desk @ Stage Right)

Shower facilities, washrooms & tabletops with mirrors and vanity bulbs.

Access to the dressing rooms is via backstage only.

Common male & female toilets can also be found along dressing room corridor.

No. of Dressing Rooms: 7 (5 with 7 chairs & 2 with 15 chairs)

#### STAGE MANAGER'S DESK

Equipped with intercom, backstage & FOH paging system and video monitor selector.

#### INTERCOM SYSTEM

Clear-Com Intercom system that links stage manager's desk, side stage and control room.

## TECHNICAL INFORMATION

### **CONCERT HALL**

#### ORCHESTRA PROVISIONS

The following items are available.

Music Chairs – 100 pcs.

Music Stands – 80 pcs.

High Stools – 5 pcs.

Conductor's Podium & Stand – 1 Set (A smaller podium is available)

Stand lights – 80 pcs (1pc uses 3 x AAA batteries, to be provided by hirer.)

Requirements and stage layout should be confirmed prior to booking times.

Expenses related to setup and reinstatement of the provisions will be borne by hirer.

#### LOADING BAY

The loading bay can be accessed from Kirk Terrace via Prinsep Street.

Loading access to the Concert Hall is from an elevated dock through the Drama Theatre foyer (if not in use) or a passageway\* from the loading bay.

Loading Access Dimensions:

Entrance to Loading Dock: 8m(W)

Loading Area: 9m(W) x 5m(H)

Elevated Dock: 5m(W) x 1.3m(H)

Passageway Doors: 2.8m(W) x 2.9m (H)\*

Backstage Doors: 2.2m(W) x 2m(H)

Side Stage Doors: 2.1m(W) x 2.9m (H)

Maximum Laden Weight Load: 5kN/m<sup>2</sup>

## DEPARTMENTAL INFORMATION

### **CONCERT HALL**

At SOTA, we are able to accommodate changes to the house audio, lighting, staging and/or video plots, within reason. However, prior approval must be obtained from either the production coordinator and/or venue manager with plans submitted before production meeting. Expenses related to setting up and reinstating of the venue will be borne by the hirer.

If the production requires equipment and/or instruments outside of SOTA's inventory, the hirer may engage an external contractor to provide them. All charges related to extra equipment will be borne solely by the hirer.

SOTA does not take any responsibility for external contractors' rented equipment operation, malfunction or damage which may occur during usage within the venue. Hirer must have an operator or representative from the external contractor to manage their equipment.

## DEPARTMENTAL INFORMATION

### CONCERT HALL

#### AUDIO SYSTEM SPECIFICATIONS

A standard pre-rigged, aligned and pre-tuned audio configuration exists.

All expenses related to reinstating the standard rig from any amendments will be borne by the hirer.

Item	Description	QTY
Audio Mixer*	Yamaha QL 5 - 40 mono input - 16 mix out, 4 Matrices available  *Please note that for heavily amplified performances the mixer will be shifted out of the control room to a production desk in the audience area. (15 seats @ Q7 – 14 & P9 – 15)	01
FOH Loudspeakers	Main PA(L/R): NEXO GEO S12 Main PA(C): NEXO GEO S12 Subwoofers: NEXO RS15 (If Required) (Positioned at Bridge 1) Front Fills: NEXO PS8 Restricted Seats Fills: NEXO PS 8	5 3 2 5 2
CD Playback	Denon DJ DN-D4500	01
CD Recorder	Tascam SS-CDR 200 (USB input available)	01

#### AUDIO INVENTORY

Item	Description	QTY
Wireless Mic System	SHURE UR4D+ Wireless Receivers*	08
Handheld Transmitters	SHURE UR2 Handheld Transmitter w/ SM58 Capsule	08
Bodypack Transmitters	SHURE UR1 Bodypack Transmitter	08
Wireless Lavalier Mics	SHURE Lapel Clip-on Mic	04

*\*Please note that any combination of up to 08 wireless mics may be used at any one time.*

## DEPARTMENTAL INFORMATION

### VENUE WIDE INVENTORY - AUDIO

All items from the venue wide inventory are subject to availability.

Charges may apply to certain items.

Prior arrangement and confirmation are required.

#### AUDIO

<b>Item</b>	<b>Description</b>	<b>QTY</b>
Countryman E6	Wireless Earset Mic	08
Countryman B3	Lavalier Mic	08
DPA 6061	Clip-on Mic	12
DPA D: VOTE 4099	Violin Mic	06
DPA 428S	Head-worn Mic	12
SHURE MX 418 C-X	18" Lectern Microphone with base	02
Shure SM58	Dynamic Vocal Microphone	15
Shure SM 58 S	ON/OFF Switch	03
Shure SM57	Dynamic Instrument Microphone	12
Shure Beta 98D/S	General Instrument Microphone	08
Shure Beta52	Dynamic LF Microphone	02
Shure SM81	Condenser Microphone	10
Shure UR3	Microphone Plug-on Transmitter	04
Sennheiser MD-421	Dynamic General Microphone	03
Sennheiser E608	Dynamic Microphone (for Saxophone)	03
AKG C414	Condenser Microphone	08
AKG C451-B	Condenser Microphone	02
AKG C411 PP	Contact Mic	12
Neumann KM 184 MT	Condenser Microphone	06
Crown PCC-160	Boundary Microphone	12
Audio Technica ATU857Q	14" Lectern Microphone	04
Audio Technica ATU857QL	18" Lectern Microphone	01

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#### AUDIO

<b>Item</b>	<b>Description</b>	<b>QTY</b>
Audio Technica AT8615RS	Lectern Base	05
Yamaha DZR'12	Monitors	08
Yamaha DZR'10	Monitors	06
K&M 25600	Telescopic boom arm tall microphone stand	30
K&M 259	Low-level telescopic short microphone stand	20
K&M 232	Table microphone stand	13
Jamstands	Round Base Mic Stand	06
Ultimate Support	Triangular Mic Stand	06
K&M	Heavy Duty Speaker Stand	04
BSS AR133	Mono DI Box	08
Radial Pro AV2	Stereo DI Box	05
Radial Pro AV1	Mono DI Box	05
DSAN LSP1	Mono Laptop PC Port	03



## DEPARTMENTAL INFORMATION

### CONCERT HALL

#### LIGHTING SPECIFICATIONS

A standard pre-hung and focused overhead and FOH lighting rig exists.

This basic lighting rig is meant for general facial and stage coverage only.

All expenses related to reinstating the standard rig from any amendments will be borne by the venue hirer.

Item	Description	QTY
Lighting Console	MA Lighting GrandMA 2 Light	01
House Light Control	Strand Integrated Touch Screen Panel	02
Dimmable Output	3kw Strand EC21 Dimmer Modules	172
Non-Dimmable Output	3kw Strand EC21 Non-Dimming Modules	16
Control Protocol	DMX 512	
Connector Form	16amp, CEE17	

#### LIGHTING FIXTURES

Description	Total	Pre-hung in Venue (FOH)	Balance
ETC Source Four 750W Profile 10° (with Iris)	03	03	-
ETC Source Four 750w Profile 26°	05	05	-
ETC Source Four 750w Zoom Profile 15° - 30°	12	12	-
ETC Source Four 750w PARnel	16	16	-
ETC Source Four 750w PAR EA with CP 62 Lens (Medium Flood)	24	24	-
Robe Lighting Spider Moving Light LED Wash	06	06	-
Robert Juliat Buxie 575w MSD Followspot (1124D Compact)	02	02	-

## DEPARTMENTAL INFORMATION

### VENUE WIDE INVENTORY - LIGHTING

All items from the venue wide inventory are subject to availability.

Charges may apply to certain items.

Prior arrangement and confirmation are required.

#### LIGHTING

Item	QTY
Selecon 1.2kW Fresnel with Barndoor	12
ETC Source Four 750w Profile 10°	05
ETC Source Four 750w Profile 19°	04
ETC Source Four 750w Profile 26°	16
ETC Source Four 750w Profile 36°	10
ETC Source Four 750w 50°	16
ETC Source Four Zoom 750w Profiles 15° - 30°	20
ETC Source Four 750w PARnel with Barndoor	24
ETC Source Four Lustr Engine with 25° - 50° Zoom Lens <i>(ONLY interchangeable with CYC lens attachment with Barndoor)</i>	12
ETC Profile Four Lustr Engine with 15° - 50° LED Fresnel Adaptor with Barndoor	20
ETC LED ColorSource CYC	24
Par 64 1kw Parcan with CP62 lens (Medium Flood)	30
Par 64 1kw Parcan with CP61 lens (Narrow Flood)	30
Selecon Hui 1kw CYC 4-Cells Flood	08
Gobo Holder A size	20
Gobo Holder B size	20
ETC Iris	20

A wide variety of Apollo Gobos and Lee & Rosco Colour filters are available for selection, subject to availability. Please make prior arrangements. Charges may apply.

## DEPARTMENTAL INFORMATION

### **VENUE WIDE INVENTORY – LIGHTING**

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#### LIGHTING

<b>Item</b>	<b>QTY</b>
Le Maitre MVS Haze Machine	01
Le Maitre G300 Smoke Machine	02
63Amp Power Distribution Box – RUB270H2 *LEW endorsement will be required	03
32Amp Power Distribution Box - RUBTR1 *LEW endorsement will be required	02

## DEPARTMENTAL INFORMATION

### CONCERT HALL

#### STAGING SPECIFICATIONS

<b>Item</b>	<b>Description</b>	<b>QTY</b>
Hoist System*	15m(W) Vortex Automated Fly Bar * A number of bars are used for standard lighting rig and house PA system * Load Capacity: 500kg/bar	12
Acoustic Drapes	Drum and shaft mechanism Set to fully in, half out or fully out. Adjustable per each wall of the Concert Hall	28
Tiered Risers	Manually adjustable riser From choir wagon	04
Choir Wagon	Position adjustable by automation	

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#### STAGING

Item	Description	QTY
Chain Hoist	Chainmaster D8 (DGUV V54) 500kg	07
Stage Weights	12.5kg	50
Nivoflex riser	2m(L) x 1m(W) x 200mm(H)	10 units
Rostrum	Grey rostrum	01

#### TRUSS INVENTORY

Item	QTY
3m Truss	10
2.5m Truss	10
2m Truss	10
1.5m	10
1m	10
0.5m	10
Corner block	10

## DEPARTMENTAL INFORMATION

### CONCERT HALL

#### VIDEO & PROJECTION SPECIFICATIONS

As part of the default configuration, a pre-rigged & aligned to centre-stage projector exists.

Costs related to rigging and dismantling the screen will be borne by the hirer.

Item	Description	QTY
Projector	Panasonic PT-DS12KE (front throw), 12000 LUMENS	01
Lens	DLP Projection Zoom Lens ET-D75LE30A	01
Projection Screen	AV Stumpfl 20 ft (W) x 11ft (H) <i>approx. 6m(W) x 3.3m(H)</i> To be rigged on Bar 8	01
Video Playback	Denon DBP 2010 Blu-Ray Player	01

#### VIDEO & PROJECTION INVENTORY

Video Switcher	ATEN 8x8 True 4K HDMI Matrix Switch (VM0808HB) - 08 x HDMI Input - 08 x HDMI Output	01
Transmitter	Kramer PT-580TxR -1 HDMI Input -1 DGK at twisted pair RJ-45 Output	02
Receiver	Kramer PT-580RxR - 1 DGK at twisted pair RJ-45 Input - 1 HDMI Output	02
Splitter	HDMI Powered distribution (Splitter) - 1 input - 4 output - Key digital KD-DA 1 x 4	01

## DEPARTMENTAL INFORMATION

### **CONCERT HALL**

#### CONCERT GRAND PIANO

There are two Steinway Model D concert grand pianos available for rental.

The use of a piano comes with one standard tuning per day regardless of rehearsal day or performance day. Prior confirmation is required.

The piano(s) are tuned to A442 and cannot be altered. Prepared piano or temporary alteration is not allowed.