

# Technical Specification (Studio Theatre)

## TECHNICAL INFORMATION

### **STUDIO THEATRE**

#### SEATING CONFIGURATION

The standard seating provides 200 seats on a retractable automated system. Retracting or adding number of seats is subject to venue management's discretionary approval. All related costs of reconfiguration from standard seating will be borne by the venue hirer.

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\*End-thrust mode

Standard Seating: 200

Max Seating: 220

#### STAGE SPECIFICATIONS

Floor composition: 6mm moisture resistant MDF over 2 layers of 18mm plywood and 50mm semi sprung battens

Performance Area (Standard Seating): 12.8m(W) x 6.5m(H) x 10.5m(D)

Stage maximum laden weight load: 7kN/m<sup>2</sup>

Stage Floor to Beam: 6.65m(H)

Stage Floor to Lighting Pipe: 7.7m(H)

#### 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 Right (LEW endorsement and single-line drawing required):

General Usage: 3 x 63amp & 1 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 @ Grid: (LEW endorsement and single-line drawing required)

General Usage: 1 x 16amp, 1x 32amp & 1 x 63amp 3 phase

## TECHNICAL INFORMATION

### **STUDIO THEATRE**

#### 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 area.

#### DRESSING ROOM SPECIFICATIONS

Each dressing room is equipped with:

Audio & video stage relay systems

Paging system (from Stage Manager's desk @ Mezzanine Control Area)

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: 2

#### LOADING BAY

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

Loading access to the Drama Theatre is through a passageway door\* to a cargo lift and then through another passageway to the backstage doors.

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)\*

Passage Way: 2.2m(W) x 2.9m (H)

Cargo Lift: 2.9m(W) x 2.5m(H) x 3.1m(D)

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

## DEPARTMENTAL INFORMATION

### **STUDIO THEATRE**

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

### **STUDIO THEATRE**

#### 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.

<b>Item</b>	<b>Description</b>	<b>QTY</b>
Audio Mixer	Yamaha CL 5 with Yamaha Rio 3224-D <ul style="list-style-type: none"> <li>- 40 mono, 8 stereo inputs</li> <li>- 24 mix out, 8 matrices</li> </ul>	01
FOH Loudspeakers	Main PA(L/R): Yamaha DZR D12 Subwoofers: Yamaha DXS XLF 18 Front Fill: Yamaha DZR D10	04 02 02
CD Playback	Denon DN4500	01
CD Recorder	Tascam SSCDR200 (USB input available)	01

#### AUDIO INVENTORY

<b>Item</b>	<b>Description</b>	<b>QTY</b>
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	06
DPA 6061	Clip-on Mic	12
DPA D: VOTE 4099	Violin Mic	04
DPA 428S	Headworn 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)	02
AKG C414	Condenser Microphone	08
AKG C451-B	Condenser Microphone	02
AKG C411 PP	Contact Mic	10
Neumann KM 184 MT	Condenser Microphone	06
Crown PCC-160	Boundary Microphone	08
Audio Technica ATU857Q	14" Lectern Microphone	04
Audio Technica ATU857QL	18" Lectern Microphone	01
Audio Technica AT8615RS	Lectern Base	05

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#### AUDIO

<b>Item</b>	<b>Description</b>	<b>QTY</b>
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

### **STUDIO THEATRE**

#### **LIGHTING SPECIFICATIONS**

The venue does not come with any pre-rigged lighting fixtures.

All expenses related to rigging and reinstating the empty rig will be borne by the venue hirer.

<b>Item</b>	<b>Description</b>	<b>QTY</b>
Lighting Console	MA Lighting GrandMA 2 Light	01
House Light Control	Strand Integrated Touch Screen Panel	02
Dimmable Output	3kw Strand EC21 Dimmer Modules <ul style="list-style-type: none"> <li>- Stage Level: 30 units</li> <li>- Mezzanine Level: 22 units</li> <li>- Grid Level: 108 units</li> </ul>	160
Non Dimmable Output	3kw Strand EC21 Non-Dimming Modules <ul style="list-style-type: none"> <li>- Stage Level: 06 units</li> <li>- Grid Level: 14 units</li> </ul>	20
Control Protocol	DMX 512	
Connector Form	16amp, CEE17	



## DEPARTMENTAL INFORMATION

### **STUDIO THEATRE**

LIGHTING FIXTURES AVAILABLE IN STUDIO THEATRE VENUE

\*You may book additional lighting inventory in the venue wide inventory (subject to availability)

#### LIGHTING FIXTURES

<b>Description</b>	<b>Total</b>
ETC Source Four 750W Profile 10°	08
ETC Source Four 750w Profile 19°	12
ETC Source Four 750w Profile 26°	12
ETC Source Four 750w Profile 36°	12
ETC Source Four 750w Zoom Profile 15° - 30°	10
Selecon 1.2kw Fresnel with Barndoor	16
Par 64 Pro 1kw Parcan with CP62 lens (Medium Flood)	30
ROBE' Esprite' Fresnel with 650W High Colour Fidelity (HCF) White LED Engine	06
ROBE' Esprite' Spot with 650W High Colour Fidelity (HCF) White LED Engine	06
Le Maitre Haze Machine	01

## 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

### STUDIO THEATRE

#### STAGING SPECIFICATIONS

Item	Description	QTY
Hoist System	Rolling Beam & Trolley Unit	18
Rigging	Single Pulleys for Grid or Head Steel Mounting	20
Ropes	20m Rigging Rope	08
	30m Rigging Rope	04
Chain Hoist	Chainmaster BGV-D8 500kg with 12 Channel Control	06
Dance Mat	Dance mat: Lemark 15m (L) x 2m (W) 2.0mm Black semi-cushioned floor mat	6 Rolls
Perimeter Drapes	8m(W) x 5.8(H)	02
	2.2m(W) x 5.8(H)	08
Curtain Track	Double Rail Curtain Tracks	

## DEPARTMENTAL INFORMATION

### STUDIO THEATRE

#### VENUE WIDE INVENTORY - STAGING

##### STAGING

Item	Description	QTY
Chain Hoist	Chainmaster BGV-D8 (DGUV V54) 500kg	07
Stage Weights	12.5kg	50
Hard Masking Type A	1.22m(W) x 2.45m(H)	04
Hard Masking Type B	1.3m(W) x 2.86m(H)	02
Hard Masking Type C	2m(W) x 2.86m(H)	02
Nivoflex riser	2m(L) x 1m(W) x 200mm(H)	10 units
Butec riser	1.82m(L) x 1m(W) x 200mm(H) * Leg height (115mm, 300mm, 600mm, 900mm, 1200mm)	50 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

### **STUDIO THEATRE**

#### 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-RZ120 (front throw) 12000 LUMENS	01
Lenses	Projection Zoom Lens, ET-DLE 350 (standard screen) Projection Zoom Lens, ET-DLE 150 (wide angle)	01 01
Projection Screen	AV Stumpfl 14ft(W) x 7ft(H) <i>approx. 4.2m(W) x 2.1m(H)</i>	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