

sota

SCHOOL OF THE
ARTS SINGAPORE



TECHNICAL SPECIFICATIONS

DRAMA THEATRE

TECHNICAL INFORMATION

SEATING CONFIGURATION

Maximum Seating Capacity: 421

Stalls: 291

Circle: 130

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

STAGE SPECIFICATIONS

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

Proscenium Opening: 14.9m(W) x 7.2m(H)

False Proscenium Opening: 8.7m(W, Min) - 14.9m(W, Max)

Stage Floor to Grid: 16m(H)

Max. Performance Dimension: 8.7m(D) x 14.9m(W)

Stage Maximum Laden Weight Load: 7kn/m²

Orchestra Pit Access: 2.1m(W) x 2m(H)

Orchestra Pit Area: 10.2m(L) x 1.4m(S) x 2.78m(W)

Extended Apron at Stage Level: 10.2m(L) x 0m(D) x 3m(W)

ELECTRICAL SPECIFICATIONS

Dimmable Output: 3kw ThruPower Modules (Dimmer)

Non-Dimmable Output: 3kw ThruPower Modules (Relay)

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):

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

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

- General Usage: 2 x 32amp, 1 x 63amp & 3 x 125amp, 3-phase

STAGE MANAGER'S DESK

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

INTERCOM SYSTEM

Wired Clear-Com Intercom system that links stage manager's desk, side stage, fly control & control room along with wireless Clear-Com Intercom system.

ORCHESTRA PROVISIONS

The following items are available.

Music Chairs: 30 pcs

Requirements and stage layout should be confirmed 14 working days prior to Bump-in date.

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

DRESSING ROOM SPECIFICATIONS

Each dressing room is equipped with:

Audio & video stage relay systems

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

Shower facilities, washrooms (level 2 only) & tabletops with mirrors and vanity bulbs.

Common male & female washrooms can be found along dressing room passageway of level 1.

No. of Dressing Rooms: 4 (2 on level 1 & 2 on level 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)*

Passageway: 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/m²

DEPARTMENTAL INFORMATION

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 the production coordinator and technical 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.

AUDIO

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 DM7 + CTL-DM7 Control Expansion with Rio 3224-D <ul style="list-style-type: none"> - 64 mono inputs available - 28 mix out, 7 Matrix available <p>* 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 @ L13 – 19 & M9 – 16)</p>	01
FOH Loudspeakers	House left and right: Nexo P12U	02
	Center: Nexo P12U	03
	Proscenium Left and Right: Nexo P12U	02
	Front Fill: Nexo ID24	03
	Subwoofer: Nexo L18	04
	Delay Left and Right: Nexo ePS6	10
	Delay Center: Nexo ePS6	08
Stage Monitors	Yamaha DZR12	06
CD Playback	Denon DN4500	01
CD Recorder	TASCAM SSCDR 200 (USB input available)	01

AUDIO INVENTORY

Item	Description	QTY
Wireless Mic System	SHURE ULXD4D + Wireless Receivers*	08
	SHURE UR4D+ Wireless Receivers*	02
Handheld Transmitters	SHURE ULXD2 Handheld Transmitter w/ SM58 Capsule	08
	SHURE UR2 Handheld Transmitter w/ SM58 Capsule	02
Bodypack Transmitters	SHURE ULXD1 Bodypack Transmitter	08
	SHURE UR1 Bodypack Transmitter	02
Wireless Lavalier Mics	SHURE Lapel Clip-on mic	04

* Please note that any combination of up to 10 wireless mics may be used at any one time.

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.

Item	Description	QTY
Rio1608-D2	I/O rack	02
Countryman E6	Wireless Earset Microphone	08
Countryman B3	Lavalier Microphone	08
DPA 6061	Clip-on Microphone	12
DPA D: VOTE 4099	Instrument Microphone (Violin, Piano, Trumpet, Saxophone, Guitar and Microphones Stand Mount clip accessories available)	06
DPA 4097	Supercardioid Choir Microphone	03
DPA 4288	Head-worn Microphone	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	CH: 02 DT: 02 ST: 04
Sennheiser MD-421	Dynamic General Microphone	03
Sennheiser E608	Dynamic Microphone (brass, drums and woodwind)	03
Sennheiser E902	Dynamic Microphone (low-end instruments)	04
Sennheiser E904	Dynamic Microphone (Drums and Percussion)	08
Sennheiser E906	Dynamic Microphone (Percussion and guitar amplifiers)	08
AKG C414	Condenser Microphone	08
AKG C451-B	Condenser Microphone	02
AKG C411 PP	Contact Microphone	12
Neumann KM 184 MT	Condenser Microphone	08
Crown PCC-160	Boundary Microphone	12
Audio Technica ATU857Q	14" Lectern Microphone	04
Audio Technica ATU857QL	18" Lectern Microphone	01
Audio Technica AT8615RS	Lectern Base	05
Yamaha DZR'12	Monitors	06
Yamaha DZR'10	Monitors	10
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

Item	Description	QTY
Jamstands	Round Base Microphone Stand	04
Ultimate Support	Triangular Base Microphone Stand	06
K&M	Heavy Duty Speaker Stand	06
BSS AR133	Mono DI Box	08
Radial Pro AV2	Stereo DI Box	05
Radial Pro AV1	Mono DI Box	05
Radial J48 Stereo	Stereo DI Box	02
Radial J48 Single	Mono DI Box	05
DSAN LSP1	Mono Laptop PC Port	03
DSAN LSP2	Stereo Laptop PC Port	03
Interspace PCBB3	PC Balance Box	08
Xvive U3C	XLR Plug-on Wireless System for Condenser Microphone	06

LIGHTING

LIGHTING SPECIFICATIONS

Standard focused face lighting rig is pre-hung above the audience stall seating (Front-of-House).

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	ETC Paradigm Touch Screen Panel (Delay)	03
Dimmable Output	3kw ThruPower Modules (Dimmer) <ul style="list-style-type: none"> - Stage Overhead: 120 units - Stage Level: 60 units - House Overhead: 64 units - House Circle: 30 units - House Stalls: 12 units 	286
Non-Dimmable Output	3kw ThruPower Modules (Relay) <ul style="list-style-type: none"> - Stage Overhead: 28 units - Stage Level: 10 units - House Overhead: 16 units - House Circle: 2 units 	56
Control Protocol	MANET2 / sACN / DMX 512	
Connector Form	16amp, CEE17	

LIGHTING FIXTURES AVAILABLE IN DRAMA THEATRE

* May refer to venue wide inventory listing below for additional lighting fixtures, subject to availability.

Description	Total	Pre-hung in Venue (FOH)	Balance for usage
ETC Source Four 750W Profile 10°	06	06	-
ETC Source Four 750w Profile 19°	18	10	08
ETC Source Four 750w Profile 26°	20	-	20
ETC Source Four 750w Profile 36°	36	-	36
ETC Source Four 750w Zoom Profile 15° - 30°	26	10	16
Par 64 1kw Parcan with CP62 lens	16	-	16
Par 64 1kw Parcan with CP61 lens	16	-	16
Robert Juliet 1.2KW 310HF Fresnel	30	-	30
Robert Juliet Topaze 1200w MSD Followspot (1119 Compact)	02	02	-
ROBE' Esprite' Fresnel with 650W High Colour Fidelity (HCF) White LED Engine	10	-	-
ROBE' Esprite' Spot with 650W High Colour Fidelity (HCF) White LED Engine	10	-	-
Le Maitre Haze Machine	02	-	02
Lighting boom	08	-	-

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.

Item	QTY
Robert Juliet 1.2KW 310HF Fresnel	20
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	12
ETC Source Four LED Series 2 Lustr Engine with 25° - 50° Zoom Lens	16
ETC Source Four LED Series 2 Lustr Engine with 15° - 50° Fresnel Adaptor and Barndoor	16
ETC Source Four LED Series 3 Lustr Engine with 15° - 50° Fresnel Adaptor and Barndoor	16
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
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.

Item	QTY
Le Maitre MVS Haze Machine	02
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

STAGING

STAGING SPECIFICATIONS

Item	Description	QTY
Hoist System*	15m(W) Vortex Automated Fly Bar (Overhead) * Load Capacity: 500kg/bar	44
	6m(W) Vortex Automated Fly Bar (Stage Left) * Load Capacity: 500kg/bar	02
	6m(W) Vortex Automated Fly Bar (Stage Right) * Load Capacity: 500kg/bar	02
Chain Hoist	Chainmaster D8 (DGUV V54) 500kg with 8 Channel control unit (Pre-rigged above Apron)	03
Dance Mat	Dance mat: Lemark 15m (L) x 2m (W) 2.0mm Black semi-cushioned floor mat	6 Rolls
House Curtain	8.7m(W) x 7.5m(H) per half Requires 01 x Fly Operator to operate	02
Borders	15m(W) x 3m(H)	04
Legs	2.2(W) x 7m(H)	06
Cyclorama	15m(W) x 9m(H)	01
Black Gauze	15m(W) x 9m(H)	01
White Gauze	15m(W) x 9m(H)	01
Traveller	16m(W) x 7m(H) * 2 x Half Tab at 8m x 7m Each Side	01
Drapes	Roller Mounted	

VENUE WIDE INVENTORY – STAGING

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

Charges may apply to certain items.

Prior arrangement and confirmation are required.

Item	Description	QTY
Chain Hoist	Chainmaster D8 (DGUV V54) 500kg	07
Stage Weights	12.5kg	50
	25kg	20
Chain Block	1 Ton x 9m chain drop	07
Nivoflex riser	2m(L) x 1m(W) x 200mm(H) *With Railings	22 units
Butec riser	1.82m(L) x 1m(W) x 200mm(H) *With Railings * 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

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
Lens	Projection Zoom Lens, ET-DLE 350 (standard screen) Projection Zoom Lens, ET-DLE 170 (upstage CYC) Projection Zoom Lens, ET-DLE 105 (downstage CYC)	01
Projection Screen	AV Stumpfl 20ft (W) x 11ft (H) <i>approx. 6m(W) x 3.3m(H)</i> To be rigged on Bar 20	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