

## THE REPUBLIC CULTURAL CENTRE – TECHNICAL FACILITIES (STUDIO)

### **STUDIO**

#### **STUDIO SEATING CAPACITY: 346 (maximum)**

##### Stalls (Level 2)

- |                     |     |
|---------------------|-----|
| • fixed seats       | 235 |
| • retractable seats | 111 |

**Total: 346**

Wheelchair Space available in front of Row A

Control for Sound is situated at the audience cockpit

Control for Communications and Video are situated at the backstage

Control Rooms for Lighting situated on Level 3

*Refer to Studio Seating Plan for details*

### **STUDIO ACOUSTICS**

Reverberation Time is between 1.0 – 1.6 seconds (unoccupied) and 1.0 – 1.3 seconds (occupied). Noise Criterion (NC) is 25.

### **LOADING/UNLOADING (shared with THEATRE and LAB)**

Access from street level via Woodlands Drive 91 / Republic Crescent to the TRCC Loading Bay.

- Dock Leveller is provided measuring 1.80m x 2.50m x 0.85m (dock height)
- Loading Bay driveway entrance clearance height – 4.50m
- Loading Bay to loading platform roller shutter – W 5.40m x H 4.50m
- Loading Door to Stage – W 3.00m x H 4.00m
- Cargo Lift (max. 3000kg) for access to Level 2 and Level 3 facilities
- Cargo Lift dimensions – W 3.00m x D 2.20m x H 2.70m.

### **STAGE FACILITIES**

#### **Flying Systems**

Comprises a combination of:

- a) 2 sets motorised flying Linesets for lighting fixtures at 1.6m apart, each measuring L 9.00m x 50mm “H” pipes with a spread load of 500kg
- b) 1 set motorised Projection Screen 5m (W) x 3m (H) fixed position at the rear stage

***All Flying battens & bars are fixed and cannot be changed.***

**THE REPUBLIC CULTURAL CENTRE – TECHNICAL FACILITIES (STUDIO)****STAGE SPECIFICATIONS**

Semi-circular maple timber sprung flooring of the following dimensions:

<b><u>Flat Floor Stage Opening</u></b>	<b><u>Measurement in metres</u></b>
Width (DS)	17.63
Width (US)	7.13
Edge of stage to rear wall	6.28
Edge of stage to projection screen	5.98
Edge of bleacher to rear wall (retracted)	13.36
Edge of bleacher to projection screen (retracted)	13.06
<b>Height – stage level to tip of:</b>	
Ceiling (sloped)	10 ~ 11.20

*Refer to Studio Stage Plan for details*

**Rigging Access Equipment**

01 x Genie AWP-25S Aerial Work Platform (9.6m working height, platform height 7.6m)

- Operator must have valid MEWP certification

Portable Ladders will be available

## THE REPUBLIC CULTURAL CENTRE – TECHNICAL FACILITIES (STUDIO)

### LIGHTING SYSTEM

#### Console

- 1) GrandMA 3 Compact XT c/w 4096 Control Channels, fully patchable to 6 DMX output and 1 DMX input via 5-pin XLR and EtherCON/RJ45

#### Racks and Dimmers

01 x 72 Channel Rack, dual CEM complete with 24 dual 5kw dimmer modules, 4 dual 5kw Relays and 2 dual 5kw non-dim modules for UPS, each equipped with individual RCD protection.

All lighting receptacles are 16A CEE17 throughout

#### House Light System

5 stage dimming module for in-house ceiling lighting

#### Power Available

08 x Floor CCTI 16A, and domestic 3-pin 13A 240V switched socket outlets are available at various locations on and around stage area.

Location: Backstage  
- 02 x 32A TPN

***Approval from TRCC management must be sought before any of hirer's own electrical equipment is attached to, or used in conjunction with TRCC's own electrical fittings.***

***For any additional power requirements/ equipment, submission of LEW endorsement and single-line drawing are required.***

*\*Note: Singapore power is 400 volts 3 phase, and 230 volts single phase 50 Hz.*

**THE REPUBLIC CULTURAL CENTRE – TECHNICAL FACILITIES (STUDIO)****LIGHTING INVENTORY****Studio House Rig (\*subject to additional rental charges):**

<u>FOH:</u>	<u>(W)</u>	<u>Qty</u>
19° <b>ETC</b> Source 4 Profile Spot	750W	15
14° <b>ETC</b> Source 4 Profile Spot	750W	07

<u>Overheads:</u>	<u>(W)</u>	<u>Qty</u>
<b>Chauvet</b> Ovation Reve P-3	265W	06
50° <b>ETC</b> Source 4 Profile Spot	750W	08
<b>ROBE</b> Robin 300X LedWash*	200W	12
<b>Clay Paky</b> Alpha Spot 700 HPE*	700W	08

<u>Side Boom:</u>		
26° <b>ETC</b> Source 4 Profile Spot	750W	08

**Additional Lighting Inventory (\*subject to additional rental charges):**

<u>Conventional Fixtures</u>	<u>Watt (W)</u>	<u>Qty</u>
<b>Parcan</b> CP63	1000W	08
19° <b>ETC</b> Source 4 Profile Spot	750W	10

<u>DMX Fixtures</u>		
<b>Clay Paky</b> Alpha 300 Beam Moving Lights*	300W	08
<b>Clay Paky</b> Alpha 700 Spot HPE*	700W	01
<b>ROBE</b> LEDWash 300X*	200W	06
<b>ROBERT JULIAT</b> Aledin Zoom Spot	130W	13
<b>ROBERT JULIAT</b> Aledin Wash	120W	10
<b>CHAUVET</b> Ovation Reve P-3	265W	10
<b>CHAUVET</b> Ovation CYC 3 FC	370W	05

<u>Followspot</u>		
<b>ROBERT JULIAT</b> Cyrano HMI Followspot*	2500W	01

<u>Others/ Accessories</u>		
<b>ETC</b> S4 - 19° Lens	-	08
<b>ETC</b> S4 - 36° Lens	-	07
<b>ETC</b> S4 - 50° Lens	-	09
<b>ETC</b> S4 750W Body	-	05
<b>ETC</b> S4 Iris	-	08
<b>MARTIN</b> Jem ZR35 Smoke Machine*	-	02
Floor Mount	-	20
Gobo Holder Size B	-	1 lot

**THE REPUBLIC CULTURAL CENTRE – TECHNICAL FACILITIES (STUDIO)****SOUND SYSTEM****House Console**

Yamaha TF5 Digital Live Sound Mixing Console comes with FOH & Stage Racks for 48 channel inputs & 16 channel outputs, on-board EQ, dynamics and complete suite of DSP plug-ins.

**Sound Reinforcement Systems**

<b>ITEM</b>	<b>QTY</b>
-------------	------------

**Main Left & Right Loudspeaker System**

CODA Audio Ultra Compact Line Array System, per cluster consist of:

CODA Audio LA4A dual 5" with 4" waveguide	04
CODA Audio LA4 15" subwoofer	02

**Fixed and Stage Portable Foldback and Monitors Loudspeakers**

NEXO PS10 Loudspeakers	1 lot
------------------------	-------

**Power Amplifiers to power the Loudspeakers System**

CODA Audio DSC260N DSP Controller	1 lot
Camco Vortex 6 Power Amplifiers	1 lot
Yamaha Power Amplifiers Model PC 9500N and PC4800N with NEXO controllers	1 lot

**Wireless Microphones – Installed (\*subject to additional rental charges):**

<b>ITEM</b>	<b>TYPE</b>	<b>QTY</b>
Shure UHF-R Wireless Set*	Handheld (Beta87A) or Wireless Belt Pack (SHURE UR1)	12

**Wired Microphones (subject to additional rental charges)**

An assortment of microphones - Shure, AKG, Neumann, Sennheiser, etc. and direct injection (DI) boxes are also available.

*Note:*

*As part of the venue package, the first 4 microphones are non-chargeable.  
Refer to additional Equipment Rental Rates.*

## **THE REPUBLIC CULTURAL CENTRE – TECHNICAL FACILITIES (STUDIO)**

### **COMMUNICATIONS SYSTEM**

Wired Intercom System:

Clear-Com MS-812A Analog Partyline Production Intercom with connection to Sound Control, Lighting Control, Follow-spots, FOH Gallery, Stage Left & Right and other technical locations.

Clear-Com RS-602 dual channel wired beltpack comes with single muff headset

#### **Stage Manager's Desk**

A Stage Manager's work desk is available backstage

#### **Paging System**

Clear-Com Programmable Paging System for backstage, dressing rooms & all operation areas, corridors, passages ways, etc.

#### **Show Relay**

Audio from the performance is routed to dressing rooms, passages, etc.

#### **Foyer Chime**

To alert patrons that it is about time to open the performance, amplified chimes signals are relayed to the loudspeakers in the foyers before the opening and intermission.

#### **Late-Comers Video Show Relay**

For late-comers, live video and audio signals are relayed to the TV screens located at the stall and circle foyers.

#### **Production CCTV**

To assist production, Panasonic colour cum infrared (night-vision) cameras are used to capture the production and relay the signals to 7" LCD at the Director's desk and various technical locations with 15" LCD TV.

**THE REPUBLIC CULTURAL CENTRE – TECHNICAL FACILITIES (STUDIO)****PROJECTION SYSTEM (subject to additional rental charges)****Front Projection**

Panasonic PT-MZ17K 3LCD laser projector with an ET-EMT750 zoom lens

- 16,500 lumens of WUXGA resolution
- With a 4.68–7.02:1 throw ratio, motorized lens controls, and multiple input options (HDBaseT, HDMI, DisplayPort)
- Comes with a set of Motorised Front Projection Screen complete with frame, Dimension 5m (W) x 3.2m (H)

**ADDITIONAL EQUIPMENT (\*subject to additional rental charges)**

<b>Item Description</b>	<b>Qty</b>
Stage Risers with skirting (black)*	24
- 8 ft (W) x 4 ft (D) x 16" or 24" (H) adjustable	
Republic Polytechnic Rostrum	02
Wenger Orchestra Chair*	40
Wenger Music Stand*	40
Wenger High Stool*	05
Grand Piano*	01
- Kawai SK7	
Baby Grand Piano*	01
- Yamaha DC2A with Disklavier	
Upright Piano*	01
- Yamaha U5	

## **THE REPUBLIC CULTURAL CENTRE – TECHNICAL FACILITIES (STUDIO)**

### **DRESSING ROOMS**

Dressing rooms fitted with show relay, 43” TV live stage feed, dressing table with mirrors lights, washbasins, costume racks and pin boards.

#### **Level 2**

Ladies and Gents Toilets with hot/cold showers

2 Group Dressing Rooms for 5 – 8pax

2 Dressing Rooms for 2 – 4pax

1 Handicap Toilet

1 Green Room with attached Pantry

#### **Other Supporting Facilities (subject to additional rental charges)**

1 VIP Reception Room

1 VIP Holding Room

6 Practice Rooms

1 Art Studio

1 Conference Room

2 Dance Studio

#### **Note:**

***All inventory subject to availability. Kindly contact TRCC Technical Production Department for additional information.***

***The above information is correct as of Apr 2025 and is subject to changes without prior notice.***