



Performing Arts  
Division –  
Technical Support  
Section

**Ko Shan Theatre**  
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**GENERAL SET-UP**

*The Ko Shan Theatre operates on a basic set-up policy. That is, all equipment has a pre-rigged position at the start of bookings. Hirers requiring to move or remove equipment must do so (and reinstate it) within their booking period.*

*Check with our Technical Manager for any other equipment and technical enquiry.*

# Ko Shan Theatre – Theatre

## FULL Technical Information

V. 2024.04.11

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Ko Shan Theatre is a traditional proscenium theatre, but without a full fly tower, which limits its technical abilities. Primary use is for Chinese Opera and Chinese Dance. Secondary use is for Drama, Concerts and Assemblies.

**DIRECTIONS**

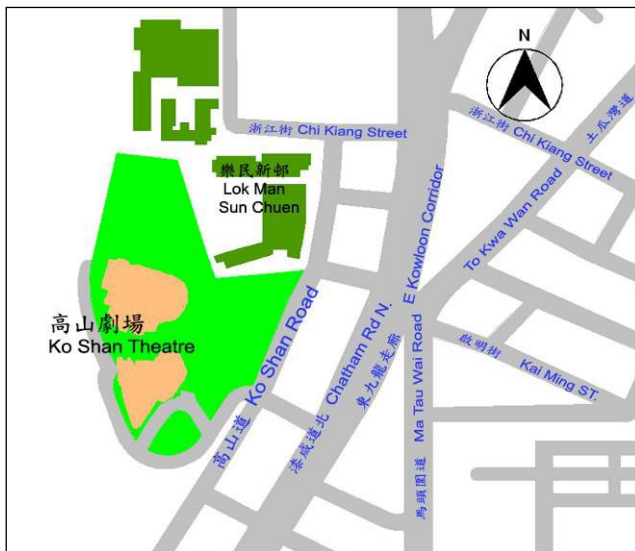
MTR:  
Kwun Tong Line, Ho Man Tin Station, Exit A2

Tuen Ma Line, To Kwa Wan Station, Exit C

Tsuen Wan Line, Mong Kok Station, Exit B2 → Mini bus Routes No. 27M

Freeway (From S to N):  
Hung Hom Cross Harbour Tunnel → Hong Chong Road → Chatham Road North → Pak Kung Street (turn right) → Ko Shan Road

Freeway (From N to S):  
Boundary Street → Waterloo Road → Princess Margaret Road → Fat Kwong Street → Shun Yung Street → Ko Shan Road



**LOADING**

Clearance of truck: 4.70m  
Steel Door Opening:  
2.73 x 4.56m (W x H)



**PARKING**

Permit required



## AUDITORIUM



**Total Seating: 1031**

Stalls: 916

Balcony: 115

Major seats are disposed in a wide Stalls fan with seats in a shallow Balcony.

### PROSCENIUM

Structural Opening

Adjustable proscenium opening with Teaser and Tormentor

12.97 x 4.96m (W x H)

12.00 x 5.00m (W x H) Max.

### STAGE WIDTH

Centreline to stage right

Centreline to stage left

8.48m

8.48m

### STAGE DEPTH

Rear of Proscenium to cyclorama on centreline 11.59m

Rear of Proscenium to cyclorama at sides 7.52m

Rear of Proscenium to cyclorama surround bar on centreline 11.30m

Rear of Proscenium to last full cross-stage bar 7.35m

Rear of Proscenium to forestage on centreline 3.42m

Forestage radius 13.00m

Rear of Proscenium to orchestra pit edge on centreline 2.90m

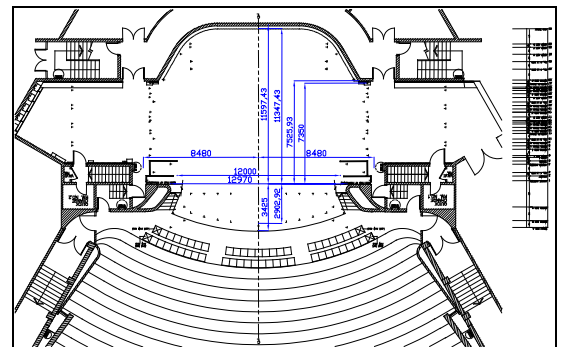
Orchestra pit radius 10.17m

### STAGE HEIGHT

Clear under grid 7.00m

Maximum bar flying height 6.30m

Above Auditorium 1.00m



### FORESTAGE / ORCHESTRA PIT

Formed by removing trap and lowering centre lift, maximum for 12 persons

Centre pit lift

Lift and infill area

Depth

Pit setup provision with chairs, stools, music stands, and music lights

8.40m<sup>2</sup>

14.06m<sup>2</sup>

2.22m

### STAGE FLOOR

Flat black hardboard

Trapdoors - None

Footlight trough and Dip sockets



**SIDE STAGE**

Stage Right 4.69 x 4.92m (W x D)  
Stage Left 6.09 x 4.82m (W x D)

**REAR STAGE**

Not Available

**STORAGE SPACE**

Limited space

**CROSSOVER**

Corridor behind stage

**RIGGING**

House Curtain (Violet) - festoon type

**Rigging System**

Motor Bars 7  
Bar 7, 12, 18, & 23 16.00m  
Bar 28 14.00m  
Bar Diameter 48.50mm  
Capacity 250kg SWL

Bar B, C 11.00m  
Capacity 500kg SWL

Electrics Bars 5  
Bar 3, 10, & 21 15.50m  
Bar 29, & 30 10.00m  
Capacity 500kg SWL

Wiper Track 9  
Bar 8, 9, 13, 14, 19, 20, 24, & 26 27.50m  
Bar A 13.00m  
Capacity 250kg SWL

Fix overlap curtain set 3  
Bar 11, 16, & 27 16.00m

Cyclorama Curved track 1  
Bar 34 17.65m  
Capacity 250kg SWL

Hemp set (For Cloth Drop only) 8  
Bar Diameter 51.00mm  
Bar 6, 15, 17, 22, & 25 16.10m  
Bar 31 11.50m  
Bar 32, & 33 10.10m

Pinrail  
None

Side Bars  
None

Point Hoists  
None

**STAGE EQUIPMENT**

Stage Drapery



Black masking	leg	6	flat	3.00 x 6.25m	(W x H)
		2	flat	2.00 x 6.30m	
	border	1	flat	18.00 x 1.80m	
		3	flat	18.00 x 1.50m	
		1	flat	16.00 x 1.55m	
		1	flat	16.00 x 1.20m	
	half tab	6	flat	9.00 x 6.90m	As 1 <sup>st</sup> , 2 <sup>nd</sup> , & 3 <sup>rd</sup> mid-curtain
Wrap round Black cyclorama		2	flat	9.60 x 6.25m	

**Orchestra Riser**

Aluminum frame platform.

Chair rails and guard rails available. No drilling or painting.

2.40 x 1.20m (W x L)

203mm(H) x 4

407mm(H) x 4

610mm(H) x 4

Wenger Portmaster.

**Choir Riser** (3 steps)

6

Wenger Tourmaster

**Musician Chair**

60

Black

**Music Stand**

20

Black

**Conductor Platform**

1

**Conductor Music Stand**

1

**Stool**

5

**Podium**

1

**Ceremony Chair**

12

Red

**Dancing Tile**

*for dance show only*

Black for main stage

(Please allow time to lay the tiles during your booking time)

**Stage Carpet**

*for Chinese opera only*

Pale Green

2

13.00 x 3.50m

**Instruments**

Upright Piano

1

Upright piano Yamaha U1

18" Chinese Drum

1

**Lifting Platform**

Upright UL-24

1

*operated by competent person*

**Stage Weight**

12.5kg

20

**DRESSING ROOM**

Level 1

**Room 1:** 4 persons

**Room 1a:** 2 persons

Level 2

**Room 2, 3:** 4 persons (each room)

**No. 4:** 12 persons

Level 3

**No. 5, 6:** 12 persons (each room)

*All dressing rooms at level 2 & 3 fitted with private and public toilet and shower*

*Quick change facilities downstage right and left.*





## **RUNNING WARDROBE**

None.

*Iron & board and steamer are available upon request.*

## **LIGHTING**

<b>Dimmer</b>	192 channels of ETC Sensor3 3kW dimmers locating in Lighting Control Room				
<b>Control Board</b>	grandMA3 Light 4096 outputs, with full back up control facilities, located in Lighting Control Room				
<b>Houselights</b>	Dimmer controlled. Controlled independently or via lighting control board.				
<b>Circuits</b>	192 x 3kW production lighting circuits, fixed wiring type, circuits are terminated to 15A socket outlets to UK standard respectively on the production lighting boxes, distributed at various locations throughout the Stage and lighting bridges.				
<b>Additional Power</b>	<p><b>DSR:</b> 220/380 Volt ; 3-phase/4 wire, 160A/phase, c/w 160A clamping bus bar;  <b>DSR:</b> 220/380 Volt ; 3-phase/4 wire, 63A/phase, c/w two 32A sockets for temporary cable connection.</p> <p><b>Conducted by the local registered electrical workers.</b></p> <p><b>The hirer shall supply adequate circuit protective devices for your own electrical installation.</b></p> <p><b>13A wall-mounted socket outlets to UK standard are provided on the stage.</b></p>				
<b>Front of House Position</b>	<p>FOH Lighting Bar, 5.75m throw at 47 degree          FOH Lighting Bridge no.1, 11.00m throw at 38 degree          FOH Lighting Bridge no.1, 9.19m throw at 48 degree (Apron)</p>				
<b>Profile</b>	750W	ETC	Source 4 15/30	50	
	750W	ETC	Source 4 19	7	
	750W	ETC	Source 4 10	20	
<b>LED Profile</b>	167W	ETC	Source 4 Lustr2 15/30	28	
<b>Fresnel</b>	2kW	Strand	Patt 828	2	
	1kW	Strand	Cantata F	18	
	1kW	Strand	Harmony F	40	
<b>Parcan</b>	1kW		PAR 64 CP61	24	
	750W	ETC	Source 4 PARnel	6	
<b>LED Par</b>	135W	Altman	AP-150	50	
<b>LED Cyc. Light</b>	200W	Altman	Spectra Cyc200	8	Electric Bar 30 (No. 5 Lx Bar)
<b>LED Ground Row</b>	200W	Altman	Spectra Cyc200	8	Bottom
<b>LED Automated Lighting</b>	1kW	Robe	DL7S	2	
<b>LED Batten</b>	210W	ETC	ColorSource Linear2	8	
<b>LED Follow Spot</b>	600W	Robert Juliat	OZ-1169	2	Auditorium Perch
<b>Smoke Generator</b>		Look	Viper NT	2	



**Solutions**

<b>Strobe Light</b>	1.5kW	Anytronics	DeathStar	2
<b>UV light</b>	40W	Griven	GR0101	4
	175W	Wildfire	VioStorm	2

<b>Gobo holder</b>		Gobo Holder	Gobo Holder	Gobo	Image
<b>Spotlight Applicable</b>		Qty	Type	Size	Size
ETC Source 4 Profile		20 / 20	A / B	100 / 86mm	68-75 / 65mm
<b>Other</b>	Side light tower	712 x 558 x 2097 mm		8	
	Tower equipment setup:	5(top)	1kW Strand Harmony F	1880mm*	
		4	1kW Strand Harmony F	1473mm*	
		3	1kW Strand Harmony F	1067mm*	
		2	1kW Strand Harmony F	660mm*	
		1 (bottom)	Empty	Empty	
	<b>* = Height of the equipment to floor</b>				
	LED Music light	RATstands Apollo Light		30	

**Equipment available does vary slightly according to equipment conditions and maintenance. Check with Technical Manager for any update.**

**Hirer will be provided with basic lighting only from available hung equipment, if technical preparation time is less than 2 hrs in the booking.**

**All brought-in “Electrical and Stage Lighting Equipment” to be used in LCSD PA venues, shall meet the requirements of “Code of Practice for Electricity (Wiring) Regulations (2009 Edition)”. Please contact the venue management for any electrical safety concern. Website reference:**

[http://www.emsd.gov.hk/emsd/eng/welcome/em\\_safety.shtml](http://www.emsd.gov.hk/emsd/eng/welcome/em_safety.shtml)

**SOUND**

<b>Sound System</b>	Meyer M1D	(main central cluster)	8
	Meyer MINA	(main left & right)	12
	Meyer ULRA-X42	(delay loudspeaker for balcony)	3
	Meyer MM-4XP	(front fill loudspeaker)	6
	Meyer 700-HP	(subwoofer loudspeaker)	2
<b>Main Control Console</b>	DiGiCo Quantum 338, digital mixing console with 36 channels (Aux output x 10, Group output x 14, Matrix output x 12) in control room at rear of auditorium		
<b>Microphone tie line</b>	apron		9
	curtain line		7
	stage house 4 corners		24
	orchestra pit		8
	centre and rear auditorium		8
	catwalk (3 bridges)		6
	Multicore (16 channels) inlets at stage left, stage right, orchestra pit, and rear auditorium		4 sets
<b>Accessory</b>	Klark Teknik DN-500 compressor/ limiter/ expander		2
<b>Electronics</b>	Yamaha SPX-990		1



<b>(Pre-aligned, not loose equipment)</b>	TC Electronics M3000 Studio Reverb Processor	1
<b>Microphone</b>	AKG C-414 B-ULS	1
	AKG-C414 XLS	4
	AKG C-621E	2
	AKG C-411	2
	AKG C-418	4
	AKG C-409	3
	AKG C-419	4
	Audio Technica ATM-33a	4
	Audio Technica ATM-73a	2
	B&K 4007	1
	Crown PCC-160	4
	Crown PZM-30D	2
	DPA 4099	3
	Neumann KM-184	3
	Neumann KM-185	4
	Neumann KMR-81i	2
	Neumann KMR-82i	5
	Sanken COS-11D-BK	2
	Sennheiser 421-II	4
	Shure Beta 52A	1
	Shure Beta 57	4
	Shure Beta 57A	4
	Shure SM-58S	4
	Shure Beta 58	8
	Shure Beta 87	2
	Shure Beta 87A	2
	Shure Beta 91	1
<b>Wireless Microphone</b>	Sennheiser SK 2000-Dw wireless microphone (clip)	8
	Sennheiser SKM 2000 BK-Dw (hand-held)	8
	<b>Max. 8 units with a minimum booking of 2 sessions</b>	
<b>Stage Monitor</b>	Meyer UPJ-1XP	10
	Meyer MJF-210	2
	Meyer UMS-1P	2
	Meyer MJF-208	2
<b>CD</b>	Tascam-SS-CDR200	2
<b>DVD Player</b>	JVC SR-HD2700E Blu-ray player	2
<b>Multi-media Equipment</b>	Computer Controlled surtitles projection system: Horizontal bilingual surtitles or vertical Chinese surtitles	1
	Panasonic PT-RX110LB DLP Laser Projector w/ ET-DLE350 long zoom lens	2
	Panasonic PT-DW17K2 DLP Projector w/ ET-D75LE30 zoom lens	1
<b><u>VIDEO FACILITIES</u></b>		
<b>Rolled Projection Screen</b>	10.50 x 6.50M (W x H) Immediately DS of False Proscenium (Bar 4)	1
	12' x 12' (W x H)	1
<b><u>COMMUNICATION</u></b>		
	Stage manager control panel at stage right	



Dual channels intercom system with single/ dual channel(s) body-pack  
Single channel wireless body-pack  
Cue light system  
Front-of-house paging/ Public address, Backstage paging/ Show relay system

**Close Circuit TV system**      High Resolution camera and infra-red camera for stage house  
                                 Infra-red camera for auditorium  
                                 CCTV at stage manager's desk, side stage left and right  
                                 CCTV at G/F left and right stalls lobby entrance and 1/F balcony foyer

**Production desk**      Set at the centre of the stall upon request

**EMERGENCY FOH ANNOUNCEMENT SYSTEM**

UPS maintained FOH emergency announcement system with hand-held wired microphone and digital playback.

**Prior to booking date, please confirm with Technical Manager for the availability of the equipment.**

**All required equipment will be set-up during the booking sessions; please allow adequate time for equipment set-up before performance or rehearsal.**