

Ko Shan Theatre New Wing - Auditorium

FULL Technical Information

Performing Arts
Division –
Technical Support
Unit

Ko Shan Theatre

77 Ko Shan Road Hung Hom Kowloon, HK

Phone

852-2740 9222

Fax

852-2781 4783

CONTACTS

Doris FUNG

Senior Manager (KW) Direct Line 852- 2740 9219

Ming KWOK

Manager(KST)H&M Direct Line 852-2334 6378

Karen LAU

Resident Technical Manager(K) Direct Line 852- 2330 4761 852- 2329 7135

Fax Line 852- 2365 0503

GENERAL SET-UP

Auditorium of Ko Shan Theatre New Wing operates on a basic setup policy. That is, all equipment has a prerigged 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.

V. 2025.07.21 Page 1 of 8





Auditorium of Ko Shan Theatre New Wing is a traditional proscenium theatre and fully equipped to support Chinese opera, dance, drama, music concert, talk and variety performances.

DIRECTIONS

MTR:

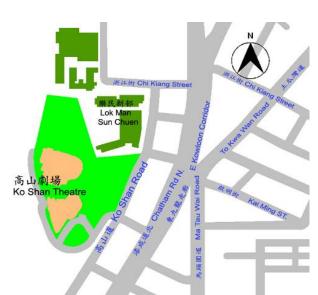
Kwun Tong Line, Ho Man Tin Station, Exit A2

Tuen Ma Line, To Kwa Wan Station, Fxit C

Tsuen Wan Line, Mong Kok Station, Exit B2 → Mini bus routes no. 27M

Freeway (From S to N): Cross Harbour Tunnel \rightarrow Hong Chong Road \rightarrow Chatham Road North \rightarrow Pak Kung Street (turn right) \rightarrow 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

Dock Height: 0.87m Steel door opening: 3.8m x 3.0m (W x H)

Cargo lift:

1.7 x 2.5 x 2.0m (W x H x D)

Lift Door:

1.68 x 2.38m (W x H)

PARKING

Permit required



Size of truck:

20ft container truck and vehicle longer than 11m require to bring-in loading ramp

16 ton truck with tail lift is recommended (\sim length: 8.5m)

Page 2 of 9 V. 2025.07.21

AUDITORIUM



Total Seating: 596

Stalls: 495

Balcony: 101

PROSCENIUM

Structural opening

Adjustable proscenium opening with header and tormentor

13.00 x 7.50m (W x H) 13.00 x 7.50m (W x H) 9.00 x 5.00m (W x H) Min. 13.00 x 7.50m (W x H) Max.

STAGE WIDTH

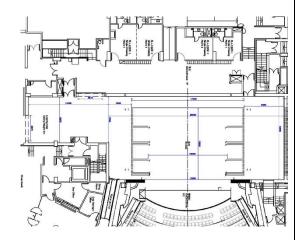
Centreline to stage right 12.00m 13.70m Centreline to stage left

STAGE DEPTH

Rear of Proscenium to cyclorama on centreline	11.28m
Rear of Proscenium to forestage on centreline	1.60m
Rear of Proscenium to orchestra pit edge on	4.70m
centreline	
Forestage radius	11.65m
Forestage arc length	13.70m
OTA OF LIFLOUT	

<u>s</u> C

STAGE HEIGHT	
Clearance under grid	20.00m
Maximum bar flying height	
Counterweight bar	19.20m
Motorised - house curtain, curtain bar 24 and 36	16.96m
Motorised - lighting bar 2, 5, 15, 29 and 41	17.69m
Motorised - lighting bar 50	7.20m
Motorised - side lighting bar SL1 and SR1	14.78m
Motorised - side bar SL2 and SR2	17.69m
Motorised - FM bar 1, 2, 3	9.59m
Above auditorium	1.00m



 $30.00m^2$ approx.

3.00m Centre

FORESTAGE / ORCHESTRA PIT

Curved forestage/pit lift area, suitable for 15 persons Orchestra pit area

1.10m Ends Static load 500kg/m² SWL

Dynamic load 250kg/m² SWL

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

STAGE FLOOR

Depth

Flat black hardboard 750kg/m² SWL V. 2025.07.21 Page 3 of 9

Trapdoor - None

Equipped with footlight trough and dip sockets

SIDE STAGE

Stage right $2.50 \times 12.65 \text{m (W x D)}$ Stage left $4.20 \times 12.65 \text{m (W x D)}$

REAR STAGE

None

STORAGE SPACE

Stage right $12.10 \times 6.00 \text{m} \text{ (W x D)}$

CROSSOVER

Corridor behind stage

RIGGING

House Curtain (Red) - motorised

Fly-in and out 10 Sec (Max.) Open and close 15 Sec (Max.)

Rigging system

Bar diameter 48.30mm

Stage bar – Single purchase counterweights 42

Bar 1 to 50 (except 2, 5, 15, 24, 29, 36, 41 and 50)

Length 15.00m (1m extend on both sides)
Capacity 600kg SWL

Lighting bar - motorised

Bar 2, 5, 15, 29 and 41 length 15.00m (1m extend on both sides)

Capacity 650kg SWL

Bar 50 length 15.00m
Capacity 450kg SWL

Curtain bar - motorised 2

Bar 24 and 36 length 16.00m Capacity 400kg SWL

Side bar - motorised 4

SL 1, SL 2, SR 1 and SR 2 length 9.50m

Capacity 650kg SWL

Forestage bar - motorised 3
FM 1, FM 2 and FM 3 length 15.00m

Capacity 650kg SWL

Rolling beam above grid (A) 4
Compartment 2
Beam per compartment 2
Hoist 4

Hoist capacity 650kg SWL

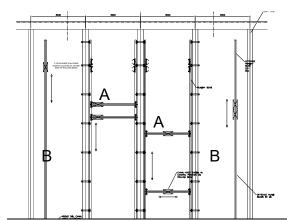
Low dead : 1.0m above stage
*Need field verification by the hirer

Offstage runway beam above grid (B) 2

5.20m from centre line to SL /SR

Hoist SL / SR 2 / 2
Hoist capacity 650kg SWL

Low dead: 1.0m above stage



V. 2025.07.21 Page 4 of 9

						1 ugo + 01 0
*Need field vei	rification by the hir	er		_		
Grid floor capaci	ty				250kg/m² SWL	
Loading gallery a	at grid capacity (SI	_)			250kg/m² SW	
Fly gallery capac Stage left Stage right Crossover	ity of 2/F, 3/F and	4/F			450kg/m² SWL 450kg/m² SWL 250kg/m² SWL	
STAGE EQUIPM	<u>IENT</u>					
Stage drapery Black masking	leg border half tab side masking	12 6 1 4 8 16	flat flat flat flat flat flat		4.00 x 8.60m 16.70 x 4.00m 14.80 x 1.50m 9.60 x 8.60m 3.00 x 8.45m 3.00 x 9.67m	(W x H)
Cyclorama		1	flat		17.00 x 9.00m	
Orchestra Riser Wenger Trouper Aluminum frame Chair rails and g No drilling or pail 2.40 x1.20m (W	platform uard rails available nting	203mm(H) x 4 407mm(H) x 4 610mm(H) x 4				
Choir riser (3 or	4 steps)	7		Wenge	er Tourmaster	
Musician chair		40		Black		
Music stand		50		Black		
Conductor platf	orm	1				
Conductor mus	ic stand	1				
Podium		1				
Ceremony chair	•	18		Red		
Dancing Tile for dance show of (Please allow time		uring booking time))	7	15.00 x 2.00m (Ma	iin stage)
Stage carpet for Chinese oper	a only Green			2	13.00 x 4.00m	
Instrument	Upright p 18" Chine Timpani	iano ese drum		1 1 1	Yamaha 1U ADAMS (23", 26", 100 (Incur extra charge	
Lifting Platform	Genie A\ Genie A\			1 1	operated by compe	etent person only

V. 2025.07.21 Page 5 of 9

Stage weight 12.5kg 45

DRESSING ROOM

Basement Band Room: 6 persons

Ground level Room 1-4: 1 person (per room) 2 persons (per room) Room 5-7:

First Level Room 8: 6 persons

> Room 9: 4 persons Room 10: 6 persons **Room 11:** 10 persons Room 12: 8 persons

Dressing rooms at ground level fitted with toilet and shower; and dressing rooms at first level fitted with public toilet and shower.



RUNNING WARDROBE

1 washing machine and 1 dryer located at 1st floor. Iron, iron board (1 set) and steamer (1 pc) are available upon request.

LIGHTING

236 channels of ETC HD15 3kW and 24 channels of ETC HK15AF 3kW Dimmer

Dimmer room at 2nd floor stage right

Control Board ETC Eos Apex 5 of minimum 24,000 outputs, with full back up control facilities,

located in lighting control room at rear of Balcony

Houselights Dimmer controlled. Controlled independently or via lighting control board.

260 x 3kW production lighting circuits, fixed wiring type, circuits are terminated to 15A Circuit

socket outlets to UK standard respectively on the production lighting boxes, distributed at

various locations throughout the Stage and lighting bridges

DMX gateway 1 port ETC N31G-F (5-pin XLR female) distributed at various locations **DMX Socket**

throughout the stage and lighting bridges

Additional Power USR: TP&N MCCB board '200AUX' power feeding for 100A x 1, 63A x 3, 32A x 2

industrial 5 pin socket outlet

Loading bay: 63A TPN isolator along with 63A x 1 industrial 5 pin socket outlet

Connection must be conducted by a local registered electrical worker.

Hirer shall supply adequate circuit protective devices for all bring in electrical

installation.

13A wall-mounted socket outlets at UK standard are provided on the stage.

Front of House

FOH Lighting bar FM 2, at forestage **Position**

FOH Lighting bridge no.1, 16.1m throw to CS at 43 degree FOH Lighting bridge no.2, 20.3m throw to CS at 33 degree FOH Lighting bridge no.3, 23.7m throw to CS at 28 degree

710SX2 10-25 **Profile** 10 2kW Robert Juliat Source 4 Zoom 15-30 130 750W ETC

750W **ETC** Source 4 Zoom 25-50 46

LED Profile Source 4 Series 3 Lustra X8 305W **ETC** 15

25/50

185W **ETC** ColorSource Spot 15-30 10 V. 2025.07.21 Page 6 of 9

	185W	ETC	ColorSource Spot 25-50	8	
Fresnel LED Fresnel	1.2kW 185W	Selecon ETC	Rama 150 F 7-50 ColorSource Spot Fresnel	20 26	
PC	1.2kW	Selecon	Rama 150 PC 5-60	28	
Parcan	1kW 1kW 1kW	Kupo Kupo Kupo	Par-64LB (CP 60) Par-64LB (CP 61) Par-64LB (CP 62)	24 18 14	
LED Cyc. Light	334W	Chauvet	Ovation Cyc 3 FC		
LED Ground Row	334W	Chauvet	Ovation Cyc 3 FC		
LED Automated Lighting	1kW	Robe	DL7S	6	Fixed install at circle front
Ligiting	600W	ETC	Halcyon Titanium Ultra Bright	6	2 on M-bar #2 (Lighting bar 1) 2 on M-bar #15 (Lighting bar 3) 2 on M-bar #29 (Lighting bar 4)
LED Follow Spot	440W	USHIO	SAI 500	2	
Smoke Generator		Look Solutions	Viper NT	2	
LED Strobe Light	360W	Philips	Showline Nitro 510	3	
LED UV light	360W 175W	Altman Wildfire	Spectra UV30 VioStorm	3 2	
Gobo holder Spotlight Applicable ETC Source 4 Profile		Gobo Holder <u>Qty</u> 20 / 35	Gobo Holder Gobo Type Size A / B 100 / 86	<u> </u>	Image <u>Size</u> 68-75 / 65mm
Other	Side light tower		600 x 1850 x 860mm (WxHxD)	8	
		equipment setup:	4 (top) 1kW ETC Source 4 3 1kW ETC Source 4 2 1kW ETC Source 4 1 (bottom) 1kW ETC Source 4	15/30 15/50	1608mm* 1168mm* 728mm* 288mm*
	* = Height of the equipment from to floor				
	LED Mu	ısic light		50	

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

<u>Hirer will be provided with basic lighting only, from available hung equipment, if technical preparation time is less than 2 hours in the booking.</u>

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". Please contact the venue management for any electrical safety concern. Website reference:

https://www.emsd.gov.hk/en/electricity_safety/index.html

V. 2025.07.21 Page 7 of 9

SOUND Sound system	Main System	
Central cluster:	L-Acoustics A15i WIDE	3
Left & Right cluster:	L-Acoustics KIVA II	8 (on each side)
Subwoofer:	L-Acoustics SB15m	4 (on each side)
	Fill and Effect System	
Stage front:	L-Acoustics 5XT	6
Orchestra pit front:	L-Acoustics 5XT	4
Balcony delay fill: Side fill and effect:	L-Acoustics 5XT L-Acoustics X8	4
Ceiling fill and effect:	L-Acoustics X12	5
Surround:	L-Acoustics X8	12
Main control Console		ing console with 36 channels (Aux output x 10, Group control room at rear of auditorium
Microphone	Downstage left	6 Mic + 1 Multi (12 channels)
Tie line	Downstage right	6 Mic + 1 Multi (12 channels)
	Upstage left	4 Mic
	Upstage right Orchestra pit wall box	4 Mic 4 Mic + 2 Multi (12 channels)
	Orchestra pit desk	4 Mic
	Centre auditorium	1 Mic
	Rear auditorium	4 Multi (12 channels)
	Loading bay	4 Mic
Accessory Electronics	Lexicon MX400XL effect processor	or 1
(Pre-aligned, not loos	se equipment)	
Microphone	AKG C414	3
inioi opiiono	AKG CK91 + SE300B	1
	AKG CK92 + SE300B	1
	AKG C747V11	1
	Crown PCC-160 Shure Beta 52A	4 1
	Shure Beta 57A	12
	Shure Beta 58A	12
	Shure Beta 87A	4
	Shure SM 58S DPA 2011	3 2
	DPA 4011	2
	DPA 4099	2
	Countryman I2HS10XLR	1
Wireless	Shure ADX1Lemo3-G54 (clip)	8
Microphone	Shure ADX2/K9B-G54 (hand-held	8
	Max. 8 units with a minimum bo	poking of 2 sessions (Incur extra charge)
Stage Monitor	Max. 8 units with a minimum bo	ooking of 2 sessions (Incur extra charge) 12
Stage Monitor		12
	L-Acoustics X12	12
CD	L-Acoustics X12 Tascam SS-CDR250N compact d	12

V. 2025.07.21 Page 8 of 9

DVD Recorder LG RH589H 2

Multimedia Projector Panasonic PT-RQ35K (3-Chip DLP, 32000 luminous)

(Incur extra charge)

(with Standard Zoom Lens ET-D75LE20 and Long Throw Zoom Lens ET-D75LE30)

Computerised LED Surtitle System

Horizontal LED Display Boards 2

(incur extra charges)

Location: In front of the proscenium on both sides

Display Text: 4 rows per display

Each row for maximum 13 Chinese words or approximate 19 English alphabets, include

punctuation mark.

Character Support: Traditional Chinese, Simplified Chinese and

English

English and Chinese texts could be

displayed simultaneously Default font color : White

Size of LED board: 200 x 100 cm (W x H)

Surtitle input and stored in Microsoft® Word (*.docx) or text (*txt) file format.

The control computer was set inside sound control room at the back of auditorium.

Display on ALL boards will be identical.

LED board is set up within booking period when two sessions or more are booked.

Setup time normally requires one hour.

COMMUNICATION

Stage manager control panel at stage right with dual channel intercom system

Intercom System Dual channel intercom system with dual channels body-pack

Single channel wireless intercom system

Cue Light System Cue light control panel located at prompt desk

Paging and Show Replay System

Front-of-house paging/public address, backstage paging located at prompt desk

Show Relay TV High resolution fixed camera for stage house

Standard resolution fixed conductor camera

Standard resolution fixed laser camera for stage house

9" HD TV displays at stage manager's desk 32" LED TV displays at stage left and right

23" LCD monitor for dressing rooms, production office and band room

55" TV displays at G/F stall entrance, 1/F stall foyer, 2/F balcony foyer and VIP lounge

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.



V. 2025.07.21 Page 9 of 9

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.