



Performing Arts
Division –
Technical Support
Section

**Hong Kong Cultural
Centre**

10 Salisbury Road
Tsim Sha Tsui,
Kowloon, HK

Phone
852-2734 2009

Fax
852-2739 0066

CONTACTS

Elida Chiang
Senior Manager
(HKCC/Venue)
Direct Line
852- 2734 2821

Tina Cheng
Manager (HKCC/House
Management)
Direct Line
852- 2734 2804

Peter Li
Resident Technical
Manager(HKCC)
ppkli@lcsd.gov.hk
Direct Line
852- 2734 2814
Fax Line
852- 2739 0066

GENERAL SET-UP

*Hong Kong Cultural
Centre Grand Theatre
operates on a 'bare-
walls' touring policy.
That is, all equipment
is normally set-up and
struck within the
booking period.
Hirers are reminded to
allow sufficient
preparation time to
hang theatre masking,
rig all overhead stage
lighting and set up
sound.*

**Hong Kong Cultural Centre – Grand Theatre
FULL Technical Information**

V. 2011.3 – Last Update November 11

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The HKCC Grand Theatre is a traditional proscenium theatre designed and fully equipped to stage major Opera, Dance and Musicals. It is also used for large-scale Drama, Chinese Opera and Variety performances.

DIRECTIONS

MTR:
Tsuen Wan Line, Tsim Sha Tsui Station, Exit E

East & West Rail Line, Tsim Sha Tsui East Station, Exit J

Ferry:
Tsim Sha Tsui Star Ferry

Bus:
Hong Kong Cultural Centre Bus Stop: 1, 1A, 2, 6, 6A, 7, 8, 8A, 8P, 9

Tsim Sha Tsui Star Ferry Terminus: 1, 1A, 2, 5A, 5C, 6, 6A, 7, 8, 8A, 8P, 9, 28, 234X, 234P

Nearby Public Car Parks:
Car Parks in Ocean Terminal, Middle Road Wilson Car Park, New World Centre Car Park and Sogo Car Park



LOADING

Clearance of truck:
2.70 x 4.00m(W x H)

Dock Height: 1.20m
Shutter Opening:
3.90 x 3.20m (W x H)

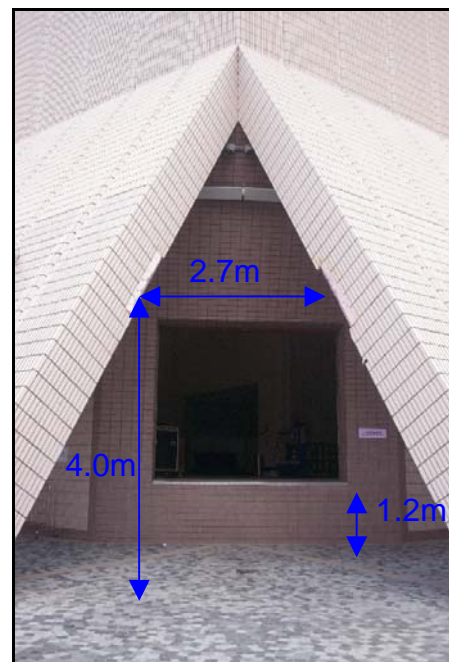
Opening to side stage:
5.00 x 6.00m (W x H)
Opening to rear stage:
4.00 x 9.00m(W x H)

Store area between side and rear stages:
205.00m² (with clear Height 10.00m)

Stage Entrance:
Piazza C, next to the staircase

PARKING

Permit required





AUDITORIUM



Max. Total Seating: 1734

Stalls:	788
Circle:	425
Upper Circle:	495
Box:	26

Removable Seating

Small Pit Lift (seats):	53
Large Pit Lift (seats):	102

PROSCENIUM

Structural Opening

Adjustable proscenium opening by stage lighting bridge and Tormentor

15.00 x 9.00m (W x H)

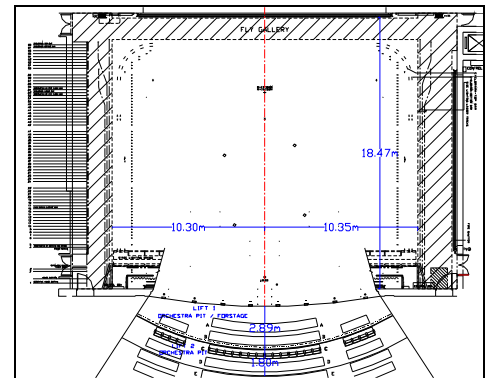
13.00 x 5.50m (W x H) min.

STAGE WIDTH

Centreline to stage right counterweight frame	12.20m
Centreline to stage left shutter	12.70m
Between fly floors	20.65m
Centreline to stage right fly floor	10.30m
Centreline to stage left fly floor	10.35m

STAGE DEPTH

Rear of Proscenium to rear-stage shutter	18.47m
Rear of Proscenium to upstage limit of grid	16.85m
Rear of Proscenium to cyclorama bar 68	16.50m
Rear of Proscenium to stage edge on centreline	1.15m
Stage edge radius (return to pros.)	34.49m
Rear of Proscenium to forestage elevator edge on centreline	4.00m
Forestage elevator radius	17.35m
Rear of Proscenium to orchestra elevator edge on centreline	5.80m
Orchestra elevator radius	19.15m



STAGE HEIGHT

Clear under fly floors (4 th floor)	8.20m
Clear under grid	25.32m
Maximum counterweight bar flying height	24.82m
Above Auditorium	1.05m

FORESTAGE / ORCHESTRA PIT

Small curved forestage/pit lift area (with a loss of 53 seats)	127m ² (gross)
Depth on CL	2.89m
Small pit platform can be raised to stage level to form a forestage	
Big curved forestage/pit lift area (with a loss of 102 seats)	165m ² (gross)
Depth on CL	4.69m
Height to audience level	3.56m
Pit setup provision with chairs, stools, music stands, violin platforms and music lights	



STAGE FLOOR

Flat black surface hardboard	450kg/m ² SWL
Traps – DSC, DSR, DSL, and Footlight trough at DS	2.00 x 1.00m each
Compensating elevators for sinking wagon or sprung floor flushed with surrounding stage area	16.00 x 12.00m (W x D) Front
	16.00 x 6.40m (W x D) Middle
	16.00 x 12.00m (W x D) Rear

Dip traps 9.21m SR & SL of CL full depth of stage
Surround track with side masking

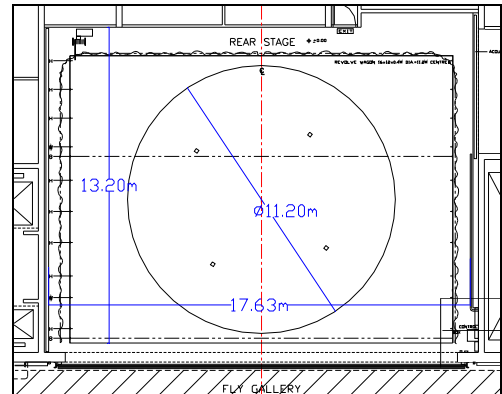
SIDE STAGE

Lightweight suspension grid	
Opening (Stage Left)	11.60 x 9.00m (W x H)
Width	16.00m min. - 21.00m max.
Depth	11.50m min. - 15.00m max.
1 self-sustaining winch bar	12.00m long, 250kg SWL
6 hemp hand-line sets	12.00m long, 120kg SWL

The side stage fire shutter is treated as a safety curtain by FSD and cannot be obstructed by scenery, equipment or stage wagon in production.

REAR STAGE

Lightweight suspension grid	
Opening	16.40 x 9.00m (W x H)
Width	17.63m
Depth	13.20m min.
Rear stage wagon	16.00 x 12.00m(W x D) 0.395m (H)
Installed revolve centered on wagon	11.20m diameter
Dynamic Capacity	8,000kg SWL
Compensating elevators for sinking wagon or sprung floor flushed with surrounding stage area	3 units
Capacity :	
Front	15,000 kg SWL
Middle	10,000 kg SWL
Rear	15,000 kg SWL



Surround track with wrap-around black masking
2 self-sustaining winch bars 16.00m long, 250kg SWL
8 hemp hand-line sets 18.00m long, 120kg SWL

The rear stage fire shutter is treated as a safety curtain by FSD and cannot be obstructed by scenery, equipment or stage wagon in production.

STORAGE SPACE

205m² store area with 10m(H) clearance between side and rear stage

CROSSOVER

Rear of stage, understage and galleries

RIGGING

House Curtain (Burgundy) motor fly	Variable speed electric
Stage Lighting Bridge (from 7.5m to 9m)	Fixed speed electric
Light Bridge under bar capacity	3000kg SWL

Rigging System

Computerized Flying System – Stage Technology Flying System 26 bars
Prior submission of fly cue plot will speed up the production process. Fly cues updating will required additional time for computer input.



Max. no of bars per cue	All (26 bars)
Electric sets (Bar no.16, 53, 67and 68)	4
Single purchase counterweights	37
Bar diameter	49mm
Bars distance	0.20m
<i>See lineset schedule for location and availability</i>	
Bar length	18.00 m extending to 20.00 m with obstruction to side bars.
<i>Bar 63 to 66 are shorter as they maybe obstructed by the u-shaped cyclorama bars (see lineset schedule)</i>	
Capacity (generally)	500kg SWL
<i>Bar 1, 16 Capacity</i>	1000kg SWL
<i>Bar 1 carries the decorative house curtain</i>	
<i>Bar 4 is obstructed by the cinema screen</i>	
<i>Bar 52 cannot be used</i>	
<i>Bar 53 carries the cyclorama lighting bar</i>	
<i>Bar 54 obstructed by cyclorama lighting bar</i>	
<i>Bar 67 and 68 are U-shaped cyclorama bars</i>	
Pinrail	
Height from stage floor	11.98m
Side Bars	8 (3 on each side, 2 side tracks are included)
<i>Capacity</i>	175kg SWL
Point Hoists – Fixed speed electric	8
<i>Capacity</i>	100kg SWL
Chain Master – Adjustable speed electric	8
<i>Capacity</i>	500kg SWL
Grid Floor Capacity	250kg/m ² SWL

STAGE EQUIPMENT

Stage Drapery

Black masking	legs	12	flat	5.00 x 10.00m	(W x H)
(Wool Serge)		12	flat	4.00 x 10.00m	
	borders	5	flat	20.00 x 3.50m	General rig
		4	flat	20.00 x 5.00m	
	half tabs	2	flat	10.00 x 10.00m	
	black backdrops	2	flat	20.00 x 10.00m	
	side masking leg	5	flat	1.40 x 11.60m	
		6	flat	2.80 x 11.60m	
Projection screens		1	flat	18.00 x 10.90m	(additional charges incurred)
White cyclorama cloth		1	flat	18.00 x 9.50m	
Black gauzes		1	flat	18.00 x 10.90m	
White gauze		1	flat	18.00 x 10.90m	
Black Flat					

Orchestra Riser

Aluminum frame platform. Chair, and rails available.

No drilling or painting.

2.4 x1.2m (W x L)	203mm(H) x 6
	407mm(H) x 6
	610mm(H) x 6

Choir Riser (3 or 4 steps) 5 for 60 persons (share equipment with Studio Theatre)

Musician Chair 50 Black
55 Black with Silver Edge



Music Stand	55	Black
Dancing Tiles <i>for dance floor use only</i>	Black /grey reversible for main stage <u>(Please allow time to lay the tiles during your booking time)</u>	
Sprung Dance Floor <i>for dance floor use only</i>	Sinks flush the stage on wagon	16.00 x 18.40m (W x D)
Stage Carpet <i>for Chinese Opera use only</i>	Green	2 15.00 x 7.50m
Instruments	Concert Grand Piano	2 Steinway & Sons (<i>incur extra charges</i>)
	Baby Grand Piano	1 Yamaha (<i>incur extra charges</i>)
	Upright Piano	1 Yamaha
	Timpani	1 set Yamaha (23", 26", 29", 32") (<i>incur extra charges</i>)
	Chinese Timpani	1
Lift and Ladder		
"A" Shape Ladder	2	<i>different height</i>
Cougar lifts	2	<i>operated by competent person & prior approved by venue management only</i>
Tab tracks	Available as requested	
Braces & weights	Available as requested	

DRESSING ROOMS

Level 1	2 for 1 (GD1*, GD 2*); (Stage)	1 for 4 (GD3*); Technical Office
Level 2	3 for 1 (GD4*, GD5*, GD6*) 1 for 5 (GD9^)	2 for 4 (GD7^, GD8^);
Level 3	3 for 1 (GD10*, GD11*, GD12*) 1 for 5 (GD15^)	for 4 (GD13^, GD14^);
Level 4	2 for 1 (GD16*, GD25*) 3 for 4 (GD19^, GD20^, GD 23^) 1 for 10 (GD22) 1 for 18 (GD 27)	2 for 2 (GD17*, GD18*) 2 for 5 (GD21^, GD24^) 1 for 12 (GD26) Green Room



* dressing rooms fitted with private toilet and shower

^ dressing rooms fitted with shower

Temporary quick change facilities can be arranged when required.

Quick change room stage right (1) and stage left (2)

Running wardrobe – washing machines, dryers, iron & boards and steamers on Level 4

RUNNING WARDROBE

3 industrial washing machines, dryers, located at 4th floor.

Sewing machines, irons & boards and steamers can be loaned from Resident Stage Management

LIGHTING

Dimmers 450 dimmer, dimmer room at L4 stage left

Control Board Strand 530i, with full backup control facilities, controllable of maximum 800 circuits, located in Lighting Control Room at rear of circle.



Houselights	Dimmer controlled. Take-control available in Lighting Control Room, Film Projection Room, Down Stage Left, & Down Stage Right.				
Circuits	6 x 10kW to 63A CEE 17s/o or 2 x 32A CEE 17 s/o; 92 x 5kW to 32A CEE 17 s/o or 2 x 15A 3-pin ample s/o; and 352 x 2.5kW to twin 15A 3-pin ample s/o, are terminated to 15A and 32A socket outlets to UK standard respectively on the production lighting boxes, distributed at various locations throughout the stage and lighting bridges.(including 6 x 3kw on revolve).				
Additional Power	600A, 400A, 200A, 32A-3phase and 32A-1phase, located in US Right rear wall with 400A clamping busbar for temporary cable connection. The hirer may bring-in electrical equipment and connect to the additional power source at side stage subject to the required electrical works must be conducted by the local registered electrical workers. The hirer shall supply adequate circuit protective devices for your own electrical installation. 13A wall-mounted socket outlets to UK standard are provided on the stage.				
Front of House Positions	FOH Lighting Bridge: 20m throw at 45 degree Slot A, 11.60m throw at 56.68 degree Slot B, 13.58m throw at 67.04 degree Slot C, 16.09m throw at 77.12 degree Slot D, 19.80m throw at 66.58 degree				
Profiles	2.5kw	Strand	Toccata 10/26	42	Bridge (upper 22, lower 18, stage 2)
	1.2kW	Strand	Cantata 11/26	39	
	1kW	Strand	Cantata 18/32	68	
	750W	ETC	Source 4 15-30	48	Side light towers
	750W	ETC	Source 4 15-30	84	Side 36 (Position A x 8, B x 10, C x 10, D x 8), Stage 48
Fresnels	2kW	Strand	Cadenza F	22	
	2kW	Selecon	Arena	93	
	1.2kW	Selecon	Rama	24	Side light towers
Beamlight	1kW	Thomas	PAR64 CP/60	40	
	1kW	Kupo	PAR64 CP/61	40	
	1kW	Kupo	PAR64 CP/62	40	
Cyclorama light Floodlight	1.25kW	Strand	Iris 4	8	Top (Bar 53)
Ground Row Batten-4	625W	Strand	Pallas 4	16	Bottom
	500W	Strand	Coda 4	16	
Follow Spots	2kW	Supersol	Xenon 2007SR	2	Auditorium Bridge (1 st & 2 nd)
	2.5kW	Robert Juliat	Cyrano 1015	2	Auditorium Bridge (3 rd & 4 th)
	<i>N.B. Two units available for all hirers, 3rd & 4th subject to additional charge.</i>				
Effects Projection	2kW	Pani	BP2 double drive	4	Optical effect moving drive
	Effects		Fleecy clouds	2	
			Storm clouds	2	
			Rain	2	
			Snow	2	
			Fire	2 pairs with break-up glass	
			Water	2 pairs with break-up glass	



Smoke generator		See Pool List	
Strobe Light		See Pool List	
UV light		See Pool List	
Colour Scroller	Strand	Colour Call	24
Side light ladder on tracks			8
Side light tower			12 pre-rigged
Tower equipment setup:	6 (top)	750W ETC Souce4 15/30	2220mm*
	5	750W ETC Souce4 15/30	2000mm*
	4	1.2kW RAMA Selecon F	1555mm*
	3	1.2kW RAMA Selecon F	1100mm*
	2	750W ETC Souce4 15/30	700mm*
	1 (bottom)	750W ETC Souce4 15/30	250mm*

* = Height the equipment from the centre of lens to the floor

Others	Side light ladder	Hung on side stages	8
	Tall telescopic stand	1.5m extend to 3.7m (H)	4
	Medium telescopic stand	1.3m extend to 2.2m (H)	6
	Short telescopic stand	0.75m (H)	8
	Music stand light		100

Supply of above equipment subject to availability on receipt of a lighting plan.

Equipment available does vary slightly according to repair, maintenance, etc. Check with Technical Manager for any changes.

Productions with Lighting Designer should contact the Technical Manager for pool equipment list details.

Hirer will be provided with simple white lighting only, from available hung equipment, if only booking 2 hours for light focus and plotting sessions.

SOUND

Sound System	Main central cluster :	
	Meyer CQ2	3
	Meyer UPA-1P	1
	Each side of proscenium front :	
	Hung - Meyer CQ2	2 (on each)
	Meyer MSL-2A	1 (on each)
	On floor - Meyer 650P subwoofer	1 (on each)
	Gallery: Meyer UPA-1P	1
	Altec Horn	2
	Stage front: Tannoy CMS 6TDC speaker	8
Main Control Console	Midas Heritage 3000 :	
	Mono inputs	32
	Stereo inputs	8
	Auxiliary / Group outputs	24
	Matrix outputs	8
Microphone tie line	Each side of the stage	19
	Orchestra pit	16
	Stage front	7
Stage Monitors	Apogee SSM speaker	10
	Boss MA 12 Micro monitor	1
	Bose 102 speaker	1
	Ramsa WS A80 P.A. speaker	2
	Meyer UM 100P monitor speaker	4



Accessory	BSS DPR 402 compressor limiter	2
Electronics	Klark Tekink DN504 Quad. Compresor	1
(Pre-aligned, not loose equipment)	Klark Teknik DN332 Graphic EQ	2
	Meyer Sound Galileo 616 Speaker Management System	2
	Roland SN550 digital noise eliminator	2
	Meyer CP10S parametric equalizer	4
	Midas XL88 matrix mixer	1
	Shure P4800 System Processor	1
	Shure DFR II EQ	2
	DBX 166 compressor / limiter	1
	Yamaha Rev 5 effect processor	1
	Roland AR2000 audio recorder	1
	Pre Sonus ACP88 Eight channel	1
	Lexicon 300L Digital Effect System	1
Microphones	Shure Beta 57	6
	Shure Beta 58	6
	Shure SM 58	1
	Shure SM 57	3
	AKG D 310	6
	AKG GN30 + CK 47	1
	AKG C562BL	2
	AKG CK1 with C460B	7
	AKG CK9 with C451	3
	Neumann KMR82-I	5
	Neumann KM184	4
	Neumann KM185	2
Wireless Microphone	Sennheiser UHF wireless mic system (<i>incur extra charges</i>)	10 (sets)
	Including : Handheld : ME 5505	6
	Bodypack: SK50U w/ MKE 2cap	10
	(Maximum 10 wireless mics are available)	
Cassette	Tascam 122 MK III	2
CD player	Denon DN C635	2
CD reorder	HJB CDR-882	2
Mini-Disc	Sony MDS-B5	2
	Sony MDS-E12	1
Accessories	Direct Boxes	
	Microphone Stands	
	Sub Snakes	
	Cables and Adapters	
<u>VIDEO FACILITIES</u>		
LCD Projector	Sanyo PLC-XF 45 (for surtitle only)	1
	Brightness : 10000 ANSI Lumens	
	Sanyo PLC-XM100(for surtitle)	2
	Brightness : 5000 ANSI Lumens	
Flown Cinema Screen	Immediately US of stage lighting bridge	
Film Projectors	Simplex 35mm	2
	Dolby digital stereo sound system	
4 language infra-red wireless simultaneous translation system		



COMMUNICATIONS

Stage managers control panel at stage left

Four channels intercom system for stage, lighting and sound (8 wired and 3 wireless)

Cue light system (5 fixed and 4 portable sets)

Paging and show relay system

Close Circuit TV system (8 sets)

Production desk can be set at the middle of the stall

The above equipment is not-fix-installed, their availability has to be checked prior to booking period. All required equipment will be set-up during the booking sessions, please allow extra time for equipment set-up before performance or rehearsal.



POOLED LIGHTING EQUIPMENT LIST
for Productions with a Lighting Designer

Profiles	2kW	Strand	Cadenza 12/22	20	
	1.2kW	Strand	Cantata 11/26	4	
	1.2kW	Strand	Optique 15/42	24	
	750W	ETC	Source Four 15/30	2	
Fresnels	5kW	Strand	Pollux 5000F	4	Grand Theatre ONLY
	1kW	Strand	Harmony F	24	
PC	1kW	Strand	Cantata PC	14	
	650W	Strand	Prelude PC	8	
Beamlights	500W	Strand	Beamlight 500	4	
	1kW	Strand	Beamlight 1000	4	
Floods	1kW	Strand	Nocturne 1000	5	
	625W	Strand	Pallas 1	7	
	500W	Strand	Nocturne 500	10	
Others	500W		Strobe units	4	(2 with Controllers)
Iris & Gobo Holder		<u>Iris</u>	<u>Holder</u>	<u>Holder</u>	<u>Gobo</u>
Spotlight Applicable		<u>Qty.</u>	<u>Qty.</u>	<u>Type</u>	<u>Size</u>
	Cantata / Harmony / Optique	60	25	A	100mm
	Toccata	9			
	Robert Juliat 2kW	6			
	Source Four	32	30	A	100mm
UV Light	400W	Wildfire	UV-A : WF-401F	4	
Fog Generator		Light Wave Research	F-100	4	(with fan)

EQUIPMENT ON THIS LIST IS ALLOCATED ON A FIRST COME FIRST SERVED BASIS ON PRESENTATION OF A COMPLETE LIGHTING PLAN.

NO RESERVATION FOR PENDING DESIGN WILL BE ENTERTAINED!

Equipment availability does vary slightly according to repair, maintenance, etc. Check with Technical Manager for any changes.



POOLED SOUND EQUIPMENT LIST
for Productions with a Sound Designer

Audio Console

A&H	WZ 14:4:2: 14 inputs, 4 groups, and 1 stereo output	1
DDA	CS3 : with 16 inputs, 4 groups, 6 aux, a stereo output	1
Midas	XL200 : 28 mono 4 stereo inputs, 8 aux, 8 groups, 8 matrix outputs	1
Midas	XL88 : matrix mixer with 8 inputs/outputs	1
Yamaha	O2R digital mixing console	1

Speaker

Altec	M101N	2
Bose	102	1
Bose	802 with JBL 6200 power amplifier	2
EV	FM 1502	2
EV	SM 1502	2
Meyer	CQ2	2
Meyer	MSL 2A	4
Meyer	UPA-2P	2
Meyer	UPM-2P	8

Microphone

AKG	C411	1
AKG	C414	2
AKG	C419	6
AKG	CK5 Capsule	5
AKG	CK62 Capsule	19
AKG	CK8 Capsule with C451	5
Anchor	LM 618	1
Audio Technica	ATM 25	2
B & K	4009	2
Crown	PZM30R	3
Crown	PCC160	15
Crown	PCC200	5
Neumann	RSM191	1
Neumann	U87A	2
Schoeps	MK41g + CMC 5U pre amp.	2
Sennheiser	521	4
Shure	Beta 91	2
Shure	Beta 87C	2
Shure	SM58 with switch	5
Sony	ECM77B	2

<u>LCD Projector</u>	YOKOGAWA D3100X (for surtitle)	1
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CD player

Marantz	PMD 321	1
Tascam	401	1
Tascam	701	3

DAT recorder

Tascam	DA30	1
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DVD

Philips	DVD 703	2
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MD recorder

Denon	995R	1
Sony	MDS B3	4



<u>LD</u>		
Sony	MDP A660K laser disc player	2
<u>Open-reel</u>		
Otari	5050II 2 tracks open-reel tape recorder	4
Otari	5050II 4 tracks open-reel tape recorder	1
<u>Processor</u>		
Klark Teknik	DN 330 preset graphic EQ	4
Klark Teknik	DN 3600 programmable graphic EQ	2
Klark Teknik	DN 3601 programmable graphic EQ (slave)	3
Klark Teknik	DN 7204 digital delay line	1
dbx	1046 Quad compressor / limiter	1
dbx	160A 1 channel compressor	1
dbx	166 2 channels compressor	1
dbx	2231 2 channels equalizer / limiter	2
Meyer	CP10 2 channels parametric equalizer	2
Meyer	CP10S 2 channels parametric equalizer	3
Roland	SN550 digital noise eliminator	1
<u>Misc</u>		
Anchor	LK 4500B-TP admiral lectern	1
SCV	Active splitter with 16 inputs and 48 outputs	1
Rane	6 channels headphone amplifier	2
<u>Wireless</u>		
Sennheiser	SK2012-TV with MKE 2	2
Sennheiser	SKP 500 plug on transmitter	4
<u>Video TV</u>		
JVC	AV10TE 10" PAL system TV monitor	4
JVC	AV14TE 14" Multi system TV monitor	2
JVC	AVK21KH 21" Multi system TV monitor	2
National	TC2687 TV monitor	1
Panasonic	TC33GF85H 33" Multi system TV monitor	2
Panasonic	TCW 21 color TV with video cassette player	2
<u>VCR</u>		
JVC	S5000EK Super VHS video cassette recorder	1
JVC	SR-S388E SVHS	1
Philips	VR255 video cassette recorder	2
Philips	VR999 Super VHS video cassette recorder	1
Sony	VP9000P U-matic video cassette player	1
Sony	VO7630 U-matic video cassette recorder	1

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