

Ritchie Theatre: Technical Information

Detailed information on the equipment and infrastructure supplied as part of hiring the Ritchie Theatre.

Video / Data Presentation

Ritchie Theatre has an extensive video infrastructure including video projector, numerous video and data tie-lines to points around the auditorium and other venues, full video/data routing capabilities, a variety of playback and recording devices, vision mixer and a remote control camera.

Video Projector:	NEC GT6000	Resolution: 1400 x 1050 Lumens: 5300 Video Compatibility: PAL / NTSC / SECAM PC/Mac Resolutions: up to 1600 x 1200
Screen:	Cinema	9.2m (w) x 3.9m (h) fixed, acoustically transparent Motorised black masking operable from Control Room Motorised burgundy house curtain operable from Control Room
PC/Mac Tie Lines:	5, each RGBHV	3 around auditorium, 2 in Control Room
Video Tie Lines:	6 points, each with 3 tie lines	
Video Playback:	2 x JVC SR-V10 1 x Panasonic AG-W3 VCR	VHS, SVHS VCR Plays all world video standards
Video Mixer:	Panasonic MX-50	4 inputs, TBC, digital effects
Scan Converters:	1 x Extron VSC-300	
RGBHV Matrix Switcher:	Extron Crosspoint 8x4	All RGBHV sources and destinations including tie lines are routable
Composite Video Matrix Switcher:	Extron MAV 16x16	All video sources and destinations are routable. Video tie lines are patched into spare I/Os as nec.
Remote Control Camera:	Panasonic AWE560	3CCD, full PTZ control
Tie Lines to/from other venues:	2 send / 2 receive	Composite video, stereo balanced audio
Slide Projectors:	2 x Kodak Ektapro 9020	300w lamp, 87-200mm lens complete with remotes and dissolve kit

Sound

There is a full cinema sound system in the venue, comprising of a Front-of-House PA, mixer, processors and patches

FOH speakers:	2 x Bose 402	On side walls, 300w ea
Amplifiers:	AM 1200 Available: AM1200	300w/ch 4 channels at 300w/ch
Audio Mixer:	Yamaha LS9- 16 (With 8 in, 8 out expansion card)	24 mono mic/line inputs L, R outputs to cinema PA and FOH speakers, Mono output for recording 16 fully assignable outputs
Mic Lines from Stage to Control Room:	12	1 x 12-way stage boxes from tie points

Ritchie Theatre: Technical Information

Audio Processors:	LS9 Mixer	Extensive on-board dynamics processing
	1 x Sabine PowerQ 1 x DBX 1066 2 x DBX 2231 2 x DBX 1086 2 x Symetrix 552E 1 x Symetrix 528E 2 x Symetrix 422	digital auto-eq, parametric/graphic compressor/gate/limiter stereo 31-band graphic eq mic pre-processor stereo 31-band graphic eq voice processors: eq, compression stereo automatic gain control - recording
Effects / Reverbs:	LS9 provides extensive on-board effects.	
Tie Lines to Auditorium:	6 tie points	each with 1 x Mic and 1 x Tie line, 2 x Comms Loops
Radio Microphones:	4 x Shure UHF	each channel may have handheld mic, or lapel/beltpack
Microphones:	6 x Shure SM58 beta 6 x Shure SM57 beta 6 x AKG CK91 4 x AKG CK98	
Source Equipment:	1 x Denon DN-C680 2 x Marantz PMD-520 1 x Sony MDS-E12 1 x Sony PCM-R700	frame accurate CD player dual cassette player/recorder minidisc player/recorder DAT player/recorder
Audio Distribution Amplifiers	2 x Stereo 1 into 5	
Tie Lines to/from other venues:	2 send / 2 receive	Composite video, stereo balanced audio
Hearing Aid Loop:	Yes	Covers auditorium
Headset Communications:	2 discrete loops	Coda system 6 x Headsets and Beltpacks

Cinema System

There is a full cinema system in the venue, comprising of 35mm and 16mm projectors and Dolby® surround audio

Cinema Speakers:	Left, Centre, Right: 3 x JBL 4670C Subwoofer: JBL 4645B Surround: 8 x JBL 8340	Behind Screen Behind Screen Along both walls
Amplifiers:	Cinema L, C, R, Sub: Australian Monitor 1k2 Cinema Surround: AM1200	600w/ch 300w/ch
35mm projector:	Cinemeccanica VIC-5b	3kW Xenon lamphouse 10,000ft spools optical/magnetic analogue audio Dolby SR and Dolby Digital audio Lenses to suit all aspect ratios
16mm projector:	Kinoton FP18	2kW Xenon lamphouse 5,000ft spools optical/magnetic analogue audio Lenses to suit all aspect ratios
Dolby® Processor:	CP500	inputs for all film sources

Lighting

Ritchie Theatre: Technical Information

No. of Channels/ Dimmers:	12	2.4kW
Dimmers:	1 x 12ch	Bytecrafft Bytesize
Control Desk:	Theatreight Scenemaster III	12 / 24 Channels 2 preset or 1 preset/scene master operation 48 timed scenes / chases
Stage lights	10 x Strand SL 15/32	
Lighting Patch Circuits:	12	at lighting bar
DMX Tie Lines:	2 send/receive to tiepoints	