

Audio-visual Equipment Specifications

Science Theatre F13

Last Updated: 22-Mar-23

STAGE

Dimensions		Proscenium Height: 5.8m Proscenium Width: 15.8m Forestage Depth: 2.3m Total Stage Depth: 9m
Wings		2m in depth each side
Crossover		Corridor under stage
Dressing Rooms	3	Located OP side
Loading Door		2.0m wide x 3.0m high Not a flat load from outside
Elevated Work Platform	1 x Vertical Lifter – 9.6m Snorkel UL25DC	Operators must hold yellow card or similar and be accredited to operate EWP VL

AUDIO

Foyer speakers	3 x JBL Control 25	Fed from custodian office
FOH speakers	2 x Nexo GEO S12 Arrays Each array contains: 3 x GEO S1210 2 x GEO S1230 1 x RS.15-P	>103 db SPL C at +4dBu +/- 4dB at 100Hz – 10kHz most of the room
FOH Amplifiers	2 x Nexo NXAMP 4x4	Each amp 4 x 1900w at 8 ohms
Foldback Speakers	4 x JBL VRX915M	800w
Foldback Amplifiers	2 x Yamaha PC406-DI	4 x 600W at 8Ω Dante in and out
Audio Mixer	Allen & Heath dLive C3500 C Class Surface with dLive CDM32 MixRack	
Audio Stage Box	2 x Allen & Heath DX168	16 x XLR input 8 x XLR output
Radio Microphones	2 x Shure Shure ULXD4Q Quad Channel Digital Wireless Receiver	8 Channels ULXD2/SM86 or SM58 on request ULXD1/MX184 or Countryman B3
Microphones & DI Boxes	6 x Shure Beta SM58 6 x Shure Beta SM57 3 x Shure SM81 1 x Shure Beta 52	

	4 x DPA 4049-DC-1	
	4 x AKG CK91	
	3 x Sennheiser e904	
	4 x Radial J48 mono DI Box	
	2 x Radial J48 stereo DI Box	
Playback Equipment	2 x Tascam CD-500B	
Recording Equipment	1 x Tascam SS-CDR250N	2 x SD card 1 x USB Dante input

VIDEO

Projection	Panasonic PT-RZ120BE	12,000 Lumen Laser projector
Projection Screens	No dedicated screens	Projected onto cyclorama at various sizes
Foyer Screens	3 x 46" LCD screens	Controlled via AppSpace (Camera feed unavailable)
Tie Lines	2 x Fiber Optic	Between stage and control room
Playback	1 x Mac Mini with QLab 1 x Dell Corei7 PC with Windows 11	
Switcher	NewTek TriCaster Mini HDMI	4 x HDMI Inputs 2 x HDMI Outputs Multiple NDI inputs / outputs PTZ Control
Camera	1 x Panasonic AW-UE100	Up to 4K video (Running as 1080p) 24x Optical Zoom NDI & 12G SDI outputs

LIGHTING

Control Desk	Road Hog 4	
Dimmers	None	
DMX Distribution	3 x ETC Response MK2 4-Port Gateway	8 Universes of DMX
Stage Lighting	33 x ETC Source Four LED Series 3 Lustr X8 20 x ETC Source 4 LED Series 3 Daylight HDR 20 x ETC Desire Fresnel 7 Inch 18 x Robe Robin Perfect 150 FW 7 x ChromaQ ColorForce 72 10 x Martin Rush MH6	Refer to STH Standard Lighting Rig document for fixture locations Refer to the Fixture Schedule for patching information
Stage Rigging	3 x Flat truss LX bars 1 x Banner bar upstage	No moving trusses – all dead hung All additional rigging must be approved by UNSW <u>before</u> the day of the event

