

Audio-visual Equipment Specifications

Sir John Clancy Auditorium (C24)

Last Updated: 29-May-23

STAGE

Dimensions 19.7m (w) x 8.3 (d) at widest points Green Room 1 Located backstage AUDIO Foyer speakers Zone 1 − North Main Foyer Zone 2 − North Bar area Zone 3 − West Foyer Zone 4 − East Foyer Fed from custodian office or control room FOH speakers Main FOH: 2 × Nexo GEO S12 Arrays Front Fill: 4 × Nexo PS8 +/- 4dB at 100Hz − 10kHz entire room Amplifiers 1 x Nexo NXAMP 4x4	OTAGE		
AUDIO Foyer speakers Zone 1 - North Main Foyer Zone 2 - North Bar area Zone 3 - West Foyer Zone 4 - East Foyer FOH speakers Main FOH: 2 x Nexo GEO S12 Arrays Front Fill: 4 x Nexo PS8 Amplifiers 1 x Nexo NXAMP 4x4 1 x Nexo NXAMP 4x1 2 x Yamaha PC406D 8 x 600w at 8 ohms 2 x Yamaha PC406D Foldback Speakers 6 x JBL MRX512M Audio Mixer Allen & Heath dLive C3500 C Class Surface with dLive CDM32 MixRack Audio Stage Box 2 x Allen & Heath DX168 Radio Microphones 2 x Shure Shure ULXD4Q Quad Channel Digital Wireless Receiver 6 x Shure SM58 beta 5 x AKG CK91 1 x AKG CK93 4 x AKG CK98 4 x AKG CK98	Dimensions		` ' ' '
Foyer speakers Zone 1 - North Main Foyer Zone 2 - North Bar area Zone 3 - West Foyer Zone 4 - East Foyer FOH speakers Main FOH: 2 x Nexo GEO S12 Arrays Front Fill: 4 x Nexo PS8 Amplifiers 1 x Nexo NXAMP 4x4 1 x Nexo NXAMP 4x1 2 x Yamaha PC406D Foldback Speakers 6 x JBL MRX512M Audio Mixer Allen & Heath dLive C3500 C Class Surface with dLive CDM32 MixRack Audio Stage Box 2 x Allen & Heath DX168 Receiver CDM32 MixPach Radio Microphones 6 x Shure SM58 beta 6 x Shure SM58 beta 6 x Shure SM57 beta 5 x AKG CK91 1 x AKG CK93 4 x AKG CK98	Green Room	1	Located backstage
Zone 2 - North Bar area Zone 3 - West Foyer Zone 4 - East Foyer FOH speakers Main FOH: 2 x Nexo GEO S12 Arrays Front Fill: 4 x Nexo PS8 Amplifiers 1 x Nexo NXAMP 4x4 1 x Nexo NXAMP 4x1 2 x Yamaha PC406D 8 x 600w at 8 ohms (for foldback speakers) Foldback Speakers 6 x JBL MRX512M Audio Mixer Allen & Heath dLive C3500 C Class Surface with dLive CDM32 MixRack Audio Stage Box 2 x Allen & Heath DX168 Receiver 2 x Shure Shure ULXD4Q Quad Channel Digital Wireless Receiver Alker & Shure SM58 beta 6 x Shure SM58 beta 6 x Shure SM57 beta 5 x AKG CK91 1 x AKG CK93 4 x AKG CK98	AUDIO		
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1 x Nexo NXAMP 4x1 2 x Yamaha PC406D 8 x 600w at 8 ohms (for foldback speakers) Foldback Speakers 6 x JBL MRX512M 400w (Passive) 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 8 x XLR output Radio Microphones 2 x Shure Shure ULXD4Q Quad Channel Digital Wireless Receiver ULXD2/SM86 or SM58 on request ULXD1/MX184 or Countryman B3 Microphones & DI Boxes 6 x Shure SM58 beta 6 x Shure SM57 beta 5 x AKG CK91 1 x AKG CK93 4 x AKG CK98	FOH speakers	2 x Nexo GEO S12 Arrays Front Fill:	+/- 4dB at 100Hz – 10kHz
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 8 x XLR output 8 Channel Digital Wireless Receiver Countryman B3 Microphones & DI Boxes 6 x Shure SM58 beta 6 x Shure SM57 beta 5 x AKG CK91 1 x AKG CK93 4 x AKG CK98	Amplifiers	1 x Nexo NXAMP 4x1	4 x 600w at 8 ohms 8 x 600w at 8 ohms
Class Surface with dLive CDM32 MixRack Audio Stage Box 2 x Allen & Heath DX168 Radio Microphones 2 x Shure Shure ULXD4Q Quad Channel Digital Wireless Receiver 6 x Shure SM58 beta 6 x Shure SM58 beta 6 x Shure SM57 beta 5 x AKG CK91 1 x AKG CK93 4 x AKG CK98	Foldback Speakers	6 x JBL MRX512M	400w (Passive)
Radio Microphones 2 x Shure Shure ULXD4Q Quad Channel Digital Wireless Receiver 4 x Shure SM58 on request ULXD1/MX184 or Countryman B3 Microphones & DI Boxes 6 x Shure SM58 beta 6 x Shure SM57 beta 5 x AKG CK91 1 x AKG CK93 4 x AKG CK98	Audio Mixer	Class Surface with dLive	
Channel Digital Wireless Receiver Countryman B3 Microphones & DI Boxes 6 x Shure SM58 beta 6 x Shure SM57 beta 5 x AKG CK91 1 x AKG CK93 4 x AKG CK98	Audio Stage Box	2 x Allen & Heath DX168	
6 x Shure SM57 beta 5 x AKG CK91 1 x AKG CK93 4 x AKG CK98	Radio Microphones	Channel Digital Wireless	ULXD2/SM86 or SM58 on request ULXD1/MX184 or
	Microphones & DI Boxes	6 x Shure SM57 beta 5 x AKG CK91 1 x AKG CK93 4 x AKG CK98	

	1 x Shure Beta 52A 3 x Sennheiser e904 3 x Shure SM81 4 x Radial J48 mono DI Box 2 x Radial J48 stereo DI Box	
Playback Equipment	1 x Tascam CD-500B	
Recording Equipment	1 x Tascam SS-CDR250N	2 x SD card 1 x USB Dante input

VIDEO		
Projection	2 x Panasonic PT-RZ12KU Laser Projectors Full Screen Resolution	Resolution: 1920x1200 (native) Lumens: 12,000 3660 x1200 (Projectors are soft edge blended into one large format projection)
Projection Screens	1 x Motorised	4,025mm x 12,880mm
Foyer Screens	2 x 55" LCD screens (above ticket box)	Content sent from control room or programmed via AppSpace
Backstage Screens	3 x 32" LCD screens	Content sent from control room
Tie Lines	5 x HDMI & VGA over fiber optic 17 x Fiber optic tie lines around venue	Tie lines from stage Patchable in control room Note: Fibre Optic Lines are Capable of carrying HDMI, DVI and VGA with embedded Audio Or SD/HD/3G/6G SDI
Playback	2 x Dell Precision 3450 Dataton Watchout Inputs: Outputs:	NDI / 4 x HDMI / 4 x 12G SDI NDI / 4 x HDMI
Switcher	TriCaster TC410 Plus	Specifications
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	
Stage Lighting	4 x ETC fos/4 Fresnel Lustr X8 24 x ETC Source 4 Series Daylight HDR	Refer to Clancy Standard Lighting Rig document for fixture locations

