IPSWICH CIVIC CENTRE	George Hogg Auditorium Technical Specifications
Item	**Dimensions**
Stage Dimensions	
Stage Height from Audience Floor	1.06m
Setting line	US edge of proscenium
SL to Front of Stage	1.6m
Stage Depth:	
Front of Stage to Rear Curtain	8.6m
Setting Line to Rear Curtain	6.9m
Stage Width at:	
Front of Stage	10.7m
Proscenium Line	10.39m
Proscenium Height	4.7m
Floor to Underside of Grid	12.9m
Floor to Fly Bar at Grid	12.1m
Floor to Standard LX Trim	
LX 1	5.2m
LX 2	5.3m
LX 3	5.4m
LX 4	5.5m
Rear of Stage Crossover Width	1.5m
Orchestra Lift / Stage Thrust	8.9m (W) x 2.3m (D) Variable height; from 1m below auditorium floor to stage height
Front of Stage to Operation position	27.2m
Fly Tower	
Fly Bar Count	24 bars* *2 bars obstructed by LED Wall in standard setup
Fly Bar Length	14m (Bars are offset from centre vs front of stage)
Fly Bar Load Capacity	Aluminium bars, over 4 pick ups
Point Load	30kg *(centre between pickups)*
Total Distributed Load	150kg
Over Stage Lighting Bars	
Lighting Bar Count	4 bars
Lighting Bar Length	14m
Lighting Bar Load Capacity	Prolyft 2 core flat truss
Point Load	65kg *(centre between pickups)*
Per Meter Load	50kg
Total Distributed Load	500kg
Orchestra Bar – *Not available for modification*	
Length of Bar	12m
Height in Relation to Stage	6.85m
Distance to Proscenium	3.5m
FOH Bridge	
Length of Bar	16.9m
Height in Relation to Stage	10.5m
Distance to Proscenium	12m
Perches – *Vertical bars in slots*	
Front of Stage to Perch	7.9m
Bar Length	2m

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Legs / Borders / Masking / Stage Cloth – *See stage plans for hanging locations*	
Legs – Black Wool, Pleated 70% Gather, Eyes and Ties	10 individual units – 6m (H) x 3m (W)
Travellers – Black Wool, Pleated 70% Gather, Eyes and Ties, on Track	6 individual units – 6m (H) x 6m (W)
Borders – Black Wool, Pleated 70% Gather, Eyes and Ties	5 individual units – 3m (H) 14m (W)
House Curtain – Red, Pleated	2 individual units – 5m (H) x 7m (W)
Cyclorama – Sharkstooth, Eyes and Ties	1 individual unit – 6m (H) x 11m (W)

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Audio

Item	Quantity
Front of House	
L-Acoustics KIVA II Line Array (Left & Right Configuration) *11x L-Acoustics KIVA II – per side, flown left and right* *3x L-Acoustics SB15m Subwoofers – per side, flown left and right*	1
L-Acoustics KS21 Subwoofers (Ground Stack)	4 (2 per side)
L-Acoustics 5XT Compact Loudspeaker (Front Fill)	6
L-Acoustics 5XT Compact Loudspeaker (Under Balcony Fill)	4
PA is configured left and right with auxiliary feed for ground stacked subs. Front fill, under balcony fill and hearing assistance system are managed via the L-Acoustics P1 processor.	
Consoles & Stage Boxes	
DiGiCo SD10 – 128 Channel Digital Sound Desk – primary FOH console	1
DiGiCo SD-Rack – BNC MADI, 48 Analog Inputs, 24 Analog Outputs, 8 AES Inputs and Outputs	1
DiGiCo SD-Rack – BNC MADI, 32 Analog Inputs, 16 Analog Outputs	1
Allen & Heath Avantis – 96 Channel Digital Sound Desk – with dPack, Dante 64x64 Card, and superMADI Card – primary monitors console	1
Allen & Heath GX4816 – 48 Analog Inputs, 16 Analog Outputs	1
Speakers & Amplifiers	
L-Acoustics X12 – 2-Way Passive 12" Wedge	12
L-Acoustics LA4X – 4 Channel Amplifier	3
Martin DD6 – 6" passive speaker with rotatable horn *Flown foldback – 3x boxes on Legs 1, 2x boxes on Legs 3, individual sends*	5
Martin DD6 – 6" passive speaker with rotatable horn	5
QSC PL325 – 2 Channel Amplifier	2
Martin AQ5 – dual 5.25" passive speaker	3
Monitoring	
Allen & Heath ME-U – 10 Port PoE hub for ME-1 mixers, fitted with SLink card	1
Allen & Heath ME-1 – 40 Source Personal Mixer	8
Behringer P2 – Battery powered headphone amplifier	12

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Microphones & Accessories	
Audio Technica ATM710 Condenser Vocal Mic	2
Shure SM58 Dynamic Vocal Mic	5
Shure Beta58a Dynamic Vocal Mic	4
Shure PG48 (switchable) Dynamic Vocal Mic	3
AKG C414 B Condenser Instrument Mic	2
AKG C451 B Condenser Instrument Mic	4
Shure Beta98 D/S Condenser Drum Mic	4
Audix SCX25A Condenser Instrument Mic	2
Audix D6 Dynamic Instrument Mic	1
Audix DP Elite 8 Drum Kit - 1x D6, 1x D4, 2x D2, 1x i5, 2x SCX1C & 1x SCX1HC	1
Shure SM 57 Dynamic Instrument Mic	3
Shure Beta57a Dynamic Instrument Mic	6
AKG C568B Condenser Shotgun Mic	5
Audio Technica ATM450 Condenser Instrument Mic	11
Rode NT2A Condenser Instrument Mic	1
Rode NT3 Condenser Instrument Mic	2
DPA 4099 Core Condenser Instrument Mic – with mounts for violin, brass, and double bass	3
ElectroVoice PolarChoice 18" Lectern Mic	3
Shure Microflex MX418 18" Lectern Mic	2
Whirlwind PC Active DI	2
Klark Technik DN100 Active DI	7
Radial USB-PRO USB DI	1
Radial J48 Active DI	1
K & M Short Tri Base Stand with booms	10
K & M Tall Tri Base Stand with booms	10
K & M Short Round Base Stand with booms	13
K & M Tall Round Base Stand with booms	19
K & M Desktop Round Base Stand	5
Radio Microphones	
Shure ULX-D4Q Radio Receiver – Quad Receiver	1
Shure ULX-D4D Radio Receiver – Dual Receiver	2
Shure ULX-D2 Radio Handheld Transmitter with Beta 58, and KSM9 Capsules – *uses same ULX-D receivers as Bodypack Transmitters*	8
Shure ULX-D1 Bodypack Transmitter with Shure TwinPlex TH53 Headsets – *uses same ULX-D receivers as Handheld Transmitters*	8
Sennheiser EW-DX EM 4 Dante Quad Receiver – *racked together for 36 channel system*	9
Sennheiser EW-DX SK Bodypack Transmitter with Sennheiser HSP2 Headsets	36

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Audio Visual

Item	Quantity
Projection	
Digital Projection HIGHlite Laser II Projector	1
Lenses (with zoom ratios) - Short Throw 0.90-1.35 - Standard Throw 2.17-2.90 - Long Throw 4.34-6.76 *Standard position to allow for DS and MS shots of 16ft 16:9 surface* *Other positions available upon consultation.*	3
16x9ft Front Projection Surface	1
12x9ft / 12x6.9ft Front Projection Surface	1
LED Wall	
Event Pixels TUNA 2.6 *(Default configuration 10m x 5m, 3840x1920p50, hung permanently US)** *100x Event Pixels Tuna 2.6 0.5m x 1m Panels* *2x Brompton SX40 Processors (Deployed as primary and backup as standard)* **LED Wall may affect available stage depth*	1
Media Playback / AV Switching	
MacBook (by prior arrangement) *QLab V5.5+*	2
Mac Mini (permanently located in rack at FOH Operations position)	2
Windows Based Laptop 15" Laptop – Windows 11, Microsoft Office 365 Suite	2
Additional devices available upon request	
Blackmagic Design ATEM Mini Pro – HDMI Switcher	1
Resolume Arena – Advanced Media Management Solution	1
Format Converters	
Decimator Design MD-HX	4
Decimator Design 12G-CROSS	1
Decimator Design MD-CROSS	1
Blackmagic Design SDI-HDMI Bi-Directional Converter	1
Monitors	
40" LCD Monitor in housing for use as confidence monitor	1

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Lighting

Item	Quantity
Lighting Console	
MA Lighting, grandMA3 Light Console (Main Auditorium Console) *Running in grandMA2 mode*	1
MA Lighting, grandMA3 RPU (Installed at power distribution level) *Running in grandMA2 Mode*	1
Installed Standard Lighting Rig Power Distribution System	
Jands PDS 12R 240v Power Distribution	2
LSC PowerPoint 240v Power Distribution	2
LSC GEN VI Dimmer/Power Distribution	4
LSC Teko 12 Channel Dimmer	2
LSC Teko V3 12 Channel Dimmer	1
Installed Standard Lighting Rig Data Distribution System – Console Independent	
LSC Nexlan Artnet System – on isolated network - 1x 5-Port Node per Over Stage Lighting Bar (NXST) - 1x 5-Port Node at Power Distribution Level (NXSR) - 1x 5-Port Node in Prompt Side Patch Bay (NXSR) - 1x 5-Port Node at FOH Operation Position (NXST) - 1x 5-Port Node (Portable) (NXST)	1
House Lighting	
LED Dynalite Controlled House Light Solution - Fixed preset intensities - Fixed preset fade times *DMX controllable, refer to lighting patch sheets for channel allocations*	1
RGB LED Auditorium Pelmet	1

Item	Power Draw	Weight	Channel Count	Deployed Inventory	Available Inventory
Lighting Fixtures					
Robert Juliat Zep 660SX (16° – 35°) *Gel Frames, Iris^, Gobo Holder^*	300W	10kg	1	20	0
Prolights EclFresnel TU *8-Leaf Barndoors, Gel Frames*	220W	7.5kg	1	12	12
EK LT6	800W	29.3kg	37	17	0
Silver Star Pro Pluto 550	550W	26kg	31	2	0
Chauvet Rogue R2X	400W	10.3kg	33	22	2
Prolights ECLProfile CT+ Engine *26° Lens* *50° Lens* *25-50° Zoom Lens* *Iris^, Gobo Holder^* **Net weight - engine and lens inclusive*	270W	 *8kg** *8kg** *10kg**	16	18 *6* *8* *6*	8 *2* *0* *6*
Prolights ECLCyclorama 100 (RGB+WW)	400W	9.6kg	15	12	0
Event Lighting 12x12 LED PAR (35°, RGBWAUv)	85W	5kg	6	4	24
Selecon Follow Spot 1200 MSR (5.5°-9°)	1200W	38kg	-	2	0
^Limited quantity available					

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Effects					
MDG ATMe Hazer	715W	16.8kg	3	1	0
Look Solutions Viper NT Smoke Machine	1300W	10kg	2	0	1
Pro Shop LED Star Cloth (6m (H) x 4m (W))	110W	22kg	24	0	5
Mirror Ball (910mm diameter) with Motor	15W	7kg	1	0	1

Item	Quantity
Lighting Accessories	
Lumen Radio DMX Transmitter	1
Lumen Radio DMX Receiver	4
AIL 148 DMX Controlled Switch	1
LSC Teko 12 Channel Dimmer (in Roo Bar)	4
Powerwise PD1210 Power distribution (in Roo Bar)	1
Lighting Tri-Stand (up to 3m) with Horizontal Bar	2

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General Equipment

Item	Quantity
Piano	
6' Grand Piano - Yamaha C3 *Tuning available with prior arrangement*	1
Staging	
Porta Floor – 1200mm x 2400mm at heights 200mm,400mm and 900mm	10
Transtage All Terrain Stage Deck – 1000mm x 2000mm – uses same legs as Porta Floor above	2
Sico 1800 Dual Height Stage - available in 400mm & 600mm	3
Staging Accessories – suitable for all above deck styles - Handrails - Skirts - Stairs (2 step) - Stairs (1 step)	 3 2
Lectrum Lectern	2
Truss Lectern with Acrylic Top	1
Curtain Call Drape Line *1.8m to 3m Crossbar (Adjustable Length)* *1.6m to 4.2m Upright (Adjustable Height)* *450mm x 450mm Base Plate with Spigots*	15
Black Velvet Curtain Call Drapes	10
Red Velvet Curtain Call Drapes	8
Upright Booms - Upright Boom Bases - 3m 48mm Diameter Pipe - 90° Boom Arms	 8 10 10
Music Stand with K & M 12295 240V Dimmable/Battery LED Sconce Light	8
Rigging	
Prolyte 2m 2-core F32 Truss	4
Prolyte 3m 2-core F32 Truss	8
JDP 1T Chain Motor	4
A selection of rigging hardware is available for use with prior arrangement	
Communications	
Riedel Bolero Wireless Comms Packs	15

Riedel Performer Wired Comms – linked to wireless system
- 4x C3 Beltpack – 2-channel pack
  ○ 2x at FOH Operation Positions
  ○ 2x at Follow spots
- 1x CR-4 Master Station – 4-channel station
  ○ In Stage Manager Desk
	1

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Infrastructure
A managed Technical Control network is present for venue wide Technical Services use *Access to these networks can be provided with prior arrangement*
Network Ties - There are 2 direct shielded Cat6 ties from the Off Prompt Proscenium directly to the Main Operations position - There are multiple RJ45/etherCON ports available for routing around the stage
SDI Routing / Patching - SDI video can be routed and distributed throughout the venue via a Matrix, supporting both 3G and 12G standards* - Venue infrastructure requires a refresh rate of 50Hz ** 12G is only supported via specific ports*
Dressing Rooms - All dressing rooms are equipped with stage view displays and paging system - Announcements can be made via the Stage Manager Desk - Stage View displays can be customised with prior arrangement - Stage View can be routed to other/additional rooms with prior arrangement; paging calls are embedded into video signal for these situations