

Specifications

Main Auditorium:

Audio System

Concert grade FOH PA capable of 106 dB full range across the auditorium.

- **Speaker System**
 - 4 x Community RS660 long-throw cabinets in a Stereo configuration
 - 2 x Quest Engineering HPI218s 2x18" subwoofers
 - 2 x Community quad subwoofers
 - Subwoofers in rear cancelling end fire array

- **Drive**
 - FOH PA powered by Crest Audio CA series amplifiers
 - Sub woofers powered by Camco Tecton 38.4 amplifier
 - Yamaha SP2060 Digital System Processor (note: locked – not user accessible)

- **Console and Playback**
 - Midas M32 digital mixing console
 - 1 x Tascam CD/iPod combination
 - 1 x HHB CD Recorder

- **Input**
 - 4 x Sennheiser EW100 G3 wireless beltpack systems with the option of Sennheiser MKE2 lapel capsules, or Neatron headworn mics
 - 1 x Countryman H6 premium hardworn mic
 - 3 x Sennheiser EW100 G3 wireless handheld systems with e865 condenser capsules
 - 2 x Sennheiser XSW wireless handheld systems with e835 capsule
 - 2 x Sennheiser ASA 1 antenna distribution
 - 2 x A2003 paddle antenna
 - 1 x Sennheiser e901 kick drum mic
 - 2 x Oktava MK-012 condensers mics;
 - 2 x Mann M11 condenser mics
 - 2 x Beyer Dynamic M201 dynamic instrument mics
 - 3x Audix OM6 vocal mics
 - 4 x SM58 vocal mics
 - 8 x SM57 instrument mics
 - 2 x Klark Teknik DN100 DI
 - 5 x Behringer DI100 DI

- **Stands**
 - 10 x K&M tall Boom Stand
 - 5 x K&M short Boom Stand
 - 4 x Music stand
 - 4 x Guitar stand
 - 1 x 3 bay guitar rack
 - 1 x Guitar amp stand
 - 2 x Speaker stand

- **Monitor System**
 - 4 x Quest Engineering QM350i speaker
 - 2 x Mackie C300 speaker
 - 6 x Amplifier channels (3 x Yamaha P3500S)

- 1 x Sennheiser EW300 G3 Wireless IEM system with 2 x packs
Foldback is currently run from the main FOH console.

- **Multicore System**

- 48 Channel FOH multicore system
- 3 x passive transformer isolated splits per channel
- 12 x balanced returns
- 4 x stage pits each with 12 XLR inputs, 6 x NL4 monitor amplifier outputs and 2 x comms patch points
- Total patch flexibility – any pit input can be patched to any multicore channel

Lighting System

- **Conventional fixtures**

- 12 x Strand Cadenza 12/22 2Kw profiles
- 8 x Selecon Zoom Spot 1Kw Profile
- 10 x 2Kw Mole Richardson Fresnels
- 6 x Par 56 MFL

- **Intelligent Fixtures**

- 6 x Martin Mac250 Entour moving profile
- 4 x Martin Rush MH3 moving beam
- 12 x Lightcraft 12FC zoom LED moving wash
- 16 x Proshop EA-8080 LED strip

- **House Lights**

- 7 x rows of 7 x Par56 wide stubby cans
- Each row appears at patch

- **Dimmers and Patch**

- 1 x Jands HUB XCD 24 channel dimmer. Each channel can be configured in dimmer or relay bypass mode.
- 12 x Strand 5Kw dimmer channels with Jands DDX-60C DMUX
- 96 circuit x 10amp patch system

- **Control**

- High End Systems Nano Hog 4 – 4 x universe license
- Dell 24" All In One Touch Screen PC loaded with Hog4 PC
- 1 x Elation eNode 4 ARTNET to DMX
- 1 x ENTTEC RDS 4 way DMX isolated splitter
- 1 x ENTTEC D-Split 5 / 3pin DMX splitter
- 1 x ethercon terminated Cat5e console to patch
- 2 x 5 pin DMX console to patch

- **Atmospherics**

- 1 x Antari HZ-350 hazer – oil based
- Auditorium on sprinkler fire retardant system. Smoke detector isolation not required.

- **Grid**

- 2 x FOH bars – rear accessible from catwalk front accessible via scissor lift (available in house)
- 4 x Overhead bars on stage. Accessible from scaffold or tallscope (available in house)

Refer to attached appendices for drawings, current fixture locations and DMX addresses.

Vision System

- **Projection**
 - 1 x Epson EB-G7905UNL projector 7000 ANSI Lumen. WUXGA resolution (1920x1200) SDI in via SDI to HDMI converter
 - 1 x Motorised projection screen 5.53 x 3.11m 16 :9 ratio
 - 1 x BENQ MP721C cue projector and screen. VGA input
- **Cameras**
 - 2 x Sony HDR-FX1000E HD cameras on Miller tripods
 - 1 x Canon XF200 HD Camera
- **Control and Patch**
 - 1 x Roland V-1600HD Vision Mixer
 - 1 x MAC Mini (1TB, 16Gbram OSX) including ProPresenter5 software
 - 3 x 19" LCD preview monitor
 - 3 x Black Magic Designs HDMI to SDI converter
 - 1 x Black Magic Designs SDI distribution amplifier
 - 1 x Black Magic Designs SDI analogue audio injector
 - Boxcaster HD streaming device
 - Web streaming can be facilitated by prior arrangement
 - Facility to connect laptops at control position or stage via HDMI or VGA

Power

Production power supply to auditorium is 400 amps per phase with separate lighting and audio / vision sub boards. Significant quantities of phase colour coded production GPOs are available throughout. 1 x 40amp 3 phase wilco outlet is available. 100amp powerlock tails can be facilitated by prior arrangement.

Stage

- **Construction**
 - Matt black timber plywood stage
 - 26m W x 10m D x 1m H
 - Proscenium
 - 24m W x 6m H
- **Dressing**
 - 1 x black front traveler – 520 GSM wool
 - 1 x black rear traveler on manual track – 520 GSM wool
 - 4 x black legs (2 each side) - 520 GSM wool
 - Front and rear top borders - 520 GSM wool
 - Rear white one piece cyclorama available by prior arrangement

Other

- 1 x Jands EziCom 2 channel intercom supply
- 6 x Jands beltpacks and Beyer Dynamic headsets
- Floor contains an accessible covered multicore pit running the entire depth of the room and conduits to the two FOH camera points.