

Huntsville Algonquin Theatre

Audio Inventory

(Updated March 19, 2009)

FRONT OF HOUSE AUDIO PROCESSING / AMPLIFICATION

FOH Digital Signal Processor (DSP): Symetrix

The Console outputs terminate at a patch panel in the Control Room rack where they are inserted into the DSP input panel. The Symetrix DSP provides delay, equalization, speaker crossovers, matrixing, filters, and compressor/limiter. The DSP feeds the house speakers, the monitor speakers, paging system, intercom and the hearing assistance system.

FOH Audio Console: Yamaha M7CL-48

- 48 mono microphone/line inputs, 4 stereo inputs, 3 mini-YGDAI card slots
- 16 mix buses, LCR bus, 8 matrix channels
- 8 DCA Groups and 8 Mute Groups
- 4 band parametric EQ with HPF
- Built in Virtual effects and EQ rack: up to 4 simultaneous multi-effect processors; up to 8 simultaneous 31-band graphic EQs.
- Each channel offers two types of EQ, two dynamics processors, digital attenuation/gain
- Centralogic™ interface

FOH Outboard Effects / Processing Rack

- 2 - dbx 2331 Dual EQ (4 channels of equalization)
- 1 - dbx 1074 Quad Gate (4 channels of gates)
- 2 - dbx 1066 Dual Comp. (4 channels of compression / limiting)
- 1 - dbx AFS224 (2 channel of feedback suppression)
- 1 - Yamaha SPX2000 (2 channels (L/R) of effects)

FOH Source Rack

- 1 Dual cassette player/recorder – Denon DN-780R
- 1 HDD/CD Recorder – Yamaha CDR-HD 1500
- 1 Dual CD Player – Denon DN 1800

FOH Loudspeaker System

- Main Left/Right loudspeakers 2 JBL AM6315/64 (bi-amped)
- Stage lip centre fills 4 Tannoy i5AW
- Balcony LCR speakers 3 JBL AM4212/64
- Subwoofers 2 JBL ASB 6128

FOH Power Amplifiers

- 3 Crown CTs 1200 (mains/fills)
- 1 Crown CTs 2000 (mains)
- 1 Crown CTs 3000 (subs)

MONITOR RIG

AUDIO PROCESSING / AMPLIFICATION

Monitor Audio Console: Soundcraft 40 channel Spirit Monitor 2

NOTE: We can provide only six separate monitor mixes. The console acts as cable splitter to FOH

- 4-band EQ with two swept mid bands
- 12 monitor sends with 1-8 mono and 9-12 stereo
- UltraMic+™ preamps on all mono inputs
- +48V phantom power switchable on all channels
- Pre-EQ insert point on all mono channels
- Dim switch cuts monitor output level by 6dB
- Sub-grouping on channels 1-10 provides FOH mixing capability
- Monitor sends are pre-post fader switchable
- Split Out connectors. Each input has built-in mic splitter
- Two dedicated effects returns and two house mic heeds

Monitor Effects / Processing Rack

- 3 - dbx 2331 Dual EQ (6 channels of equalization)
- 2 - dbx 1066 Dual Comp. (4 channels of compression / limiting)
- 1 - Yamaha REV100 (2 channels (L/R) of digital reverb)

Stage Monitors

- 8 - Turbosound TXD-12M (passive)
- 2 - JBL MS28 (passive)

Monitor Power Amplifiers

- 3 - Crown CTs 1200

Microphones and Line Level Plates

Microphone inputs and line input/outputs are located throughout the facility in the form of individual plates.

A patch rack is located downstage left. All microphone plate inputs terminate at this patch rack and are either patched directly to the sound mix position or split for a stage monitor system.

The line level field plates are terminated directly to the sound mix position

Microphones

- 6 - Shure SM57
- 7 - Shure SM58
- 4 - Shure Beta 58
- 2 - Shure SM81
- 2 – Shure PG56 with drum clips
- 1 - Shure Beta 52
- 2 – Shure MX202BP/C hanging microphones

- 3 – Sennheiser e914
- 4 – Sennheiser e904
- 1 – Sennheiser e902

- 1 - Apex125 large diaphragm dynamic microphone
- 3 - Apex126 dynamic microphones with drum rim clips
- 3 - Apex 190 stubby flat-frequency response cardioid condenser microphone
- 2 - Apex 435 wide diaphragm condenser microphone

- 3 - Crown PCC 160
- 1 - Crown PZM 30

Wireless Microphones

- 5 - Sennheiser ew100 G2, SKM100 (935 capsule) wireless hand held microphones
- 5 - Sennheiser ME2 Omni directional Lavalier microphones
- 5 - Sennheiser ew100 G2, SK100 wireless body pack transmitters
- 5 - Sennheiser ew100 G2, EM100 True Diversity Receivers

- 1 - AKG UHF HT40 D880 element wireless hand held microphone
- 1 - C417L MicroMic Omni directional Lavalier microphone
- 1 – AKG UHF PT40 wireless body pack transmitter
- 1 - AKG UHF WMS40 series SR40 wireless receiver

DI Boxes

- 2 - Active Behringer DI100
- 1 - Stereo Behringer Ultra DI120 (Active 2-Channel DI)
- 1 - Active Apex DI
- 6 – Passive Rapco DI boxes

Microphones Stands / Accessories

- 8 - K&M tall w/boom black microphone stands
- 2 - Apex tall w/boom black microphone stands
- 8 - K&M short w/boom black microphone stands
- 5 - Tall stand with round base, no boom

- 20 - 50' microphone cables
- 20 - 25' microphone cables

Communications

Paging System

Paging is executed from two positions. The paging microphones are located at the Control Room AV rack and in the House Manager's Office.

Paging speakers are located on the first, second and third floor lobbies, the stage storage area and the multiple use rooms on the first floor.

A feed of program sound is provided into the paging system.

Paging volume is controlled at the Peavey amplifier in the Control Room AV rack.

Intercom

The Intercom system is comprised of a two-channel main station, six installed stations and four belt packs.

The main station terminates to a patch bay in the control room. Installed stations are located in various locations back stage, on stage, and mix positions.

Hearing Assist

FM Listen LT800B-072

Instruments

- 1 – 7ft Seiler Grand Piano with bench.

Miscellaneous

- 5 guitar stands
- 12 music stands

Stage Risers

- 4 – 4'x8'x16" carpeted risers
- 6 – 4'x4'x16" carpeted risers