

SOUND SYSTEM

State Theatre New Jersey's sound system is 24 L-Acoustics KUDO (12 cabinets flown per side). Up to 6 L-Acoustics SB28 subs (3 per side) can be used downstage left and right at proscenium in omni or cardioid patterns. 4 L-Acoustics 8XT front fills can be placed on downstage edge. Theatre fills fed from the LEFT & RIGHT drive lines are; 2 L-Acoustics ARC Focus, 2 L-Acoustics 5XT, 6 8XTi delayed and tuned to the main Left and Right PA hang. System is powered and tuned by 10 L-Acoustics LA8 and 2 L-Acoustics LA4X amplifiers. Amplifiers are driven by 2 Lake LM-44 processors located at FOH. Separate house and guest consoles (AES digital or analogue) can be patched simultaneously to drive LEFT, RIGHT, SUB, and FRONT FILL speakers.

The front of house (FOH) console is a Yamaha PM 5000 loaded with 48 input channels and 4 stereo inputs with two power supplies. The FOH board is permanently located in the rear of the orchestra and DOES NOT MOVE. It is not enclosed. 80 input lines and 16 returns from stage to FOH mix position.

EQUIPMENT LIST:

FOH Outboard Equipment

- 1 DBX 160x compressor
- 1 Summit DCL200 2 channel tube compressor
- 12 channels of DBX 1066 compressors
- 1 Drawmer DS404 4 Channel Gate
- 1 Lexicon PCM-81 Reverb Unit
- 1 Lexicon PCM-91 Reverb Unit
- 1 TC Electronic M3000 dual engine reverb
- 1 Yamaha Pro R3 reverb
- 1 Yamaha SPX 1000 Reverb/Delay
- 2 Tascam CD-500B CD Players
- 1 Sony MDS-E12 Mini Disc Player/Recorder
- 1 Tascam 302 Cassette deck
- 1 CDR882
- 1 KT DN3600 EQ
- 4 KT DN 360 EQ's
- 1 Shure DFR-22 Digital Signal Processor

MICROPHONES

- 8 Shure SM 57
- 4 Shure BETA 57
- 4 Shure Sm 58
- 6 Shure Beta 58
- 6 Shure Sm 81
- 1 Shure Beta 52
- 3 Shure Beta SM 98
- 1 Shure VP 88 Stereo Microphone
- 4 Shure KSM 32
- 6 AKG C414B/Uls
- 2 AKG D112
- 4 Sennheiser E609
- 5 Sennheiser MD 421
- 2 Sennheiser MD 441
- 2 Sennheiser ME66/K6
- 2 Neumann KMS 105
- 4 Neumann KM 184
- 1 Audix OM5
- 1 Beyer M 88
- 3 Crown PCC 160
- 8 Countryman Isomax DI
- 8 Whirlwind Passive DI

Monitor Console / Speakers

- Yamaha pm 5000
- 5 KT DN 360 EQ's
- 1 Yamaha R3 Reverb Unit
- 16 L-Acoustics 112P Wedges
- 2 L-Acoustics SB15P Subs
- 4 Meyer UPM Self-Powered Wedges
- 4 Meyer UPJ Self Powered Cabinets
- 4 EAW KF 650 Cabinets
- 4 EAW SB 250 Subs
- Crown power amps

WIRELESS MIC SYSTEMS

- 4 Shure U4D Receivers
- 4 Shure UR4 Receivers
- 8 Handheld Transmitters
- 6 Belt Packs
- 8 Beta 58 Capsules
- 4 SM 58 Capsules
- 4 Beta 87 Capsules
- 2 Sennheiser MKE 2 Lavaliers
- 2 DPA 4088 Headset
- 4 Countryman E6 Microphones

POWER

- 150 Amp Disconnect with CamLock connectors located USL or USR with tails

MONITORS/ CLEARCOM

- Complete ClearCom system with wireless capability.
- Complete Backstage paging and program monitoring system.

SENNHEISER INFRARED ASSISTIVE LISTENING SYSTEM

MUSIC AND ORCHESTRA EQUIPMENT

Orchestra Shell:

State Theatre New Jersey is equipped with a movable orchestra shell consisting of four ceiling panels and eight rolling towers. The acoustical surface is made of quarter-saw red oak. The shell has four configurations: the recital, or #1 set-up for soloists and small chamber groups; the chamber, or #2 configuration is for larger chamber groups and choir; the third configuration is for small orchestra; and the fourth is for full symphony orchestra.

In addition to providing an excellent acoustical environment, the shell is visually stunning and provides a comfortable environment for musicians. The lighting in the shell ceiling provides an even 75 foot-candles throughout the shell. The following pages show an overhead view for each of the configurations. On the right side of center the space is defined by the towers, while on the left side of center a view of the ceiling panel is shown.

Risers:

The theatre has a full complement of orchestral risers, allowing three tiers of seating inside the shell at heights of 8", 16" and 24". Available are nineteen (19) 4' x 8' platform risers; four (4) 4' x 6' platform risers.

Choral Risers:

Five sections of three-tier Wenger aluminum standing risers for traditional choir arrangement.

Piano:

9' Steinway Concert "D" Grand with artist's bench.

Symphony Furniture:

- 110 Wenger straightback padded seats with adjustable seating angles for differing instrumentalists.
- 120 Wenger black pressure music stands with compartments for mouthpieces, reeds etc.
- 8 Wenger black bass stools with adjustable seat and footrest.
- 6 backless stools for percussion 28" high
- conductor's podium and music stand with a removable brass back rail.
- 50 music stand lights

Drums

DW Collectors Series Gold Glass – 10 x 8", 12 x 9" rack toms, 14x12" and 16 x 14" floor tom and a 22 x 18" virgin kick drum (no tom mounts), 14 x 6 1/2" snare, 14 x 5" Ludwig Black Acrolite Galaxy snare, 13 x 3" Pearl Piccolo snare, two snare stands, two hi-hat stands, four double braced boom stands, DW 5000 double pedal, tama single chain drive pedal, Set of A custom cymbals, 14"hi-hats, two 17", one 18"crash and 21"ride. LP congas 10 and 11"

Bass

Hartke - LH1000, ha3500, 400b, 4 x 10" transporter, 4 x 10" hybrid and 1 x 15"hybrid

Guitar

Roland JC 120 jazz chorus 2 x 12"

Vox AC50cr 2 x 12"

4 guitar stands

Keyboards

Yamaha Motif es8 88 key synthesizer

Two 2-tier and two 1-tier stands

Mackie 1402 vlz pro mixer