

LONG BEACH PERFORMING ARTS CENTER

300 East Ocean Boulevard
Long Beach, California 90802

Terrace Theater Sound System 7/26/05

HOUSE SOUND BOARD

Yamaha M3000 Sound Reinforcement Console

(40) Input plus 4 stereo inputs. (16) Output plus stereo. (8) VCA's. 20 x 8 matrix.

A pair of delayed Yamaha NS-10 near field monitors powered by a Crown D-60 power amplifier are mounted in the booth for your convenience.

MAIN SYSTEM

(6) EAW AS-660 speakers powered by (1-1/2) QSC MX-3000 Amps, (3) QSC MX-1500a amps and (1-1/2) QSC EX-1250 amps - Total 7950 watts.

(2) Woodworx WX-12 delay speakers powered by (1/2) QSC MX-3000 amp & (1/2) QSC EX-1250 amp- 1650 watts.

(6) Meyer SSM Front Fill speakers powered by (1) QSC EX-1250 amp- 750 watts.

The front fill and delay speakers are controlled by the FOH dbx 481 loudspeaker controller directly, and the 660's are sent full range by the 481 and are further processed by (2) Brooke Siren Systems Minidrive loudspeaker management systems downstream.
10,350 watts total system power.

DISMOUNTABLE PROSCENIUM SYSTEM

(8) EAW KF-650z speakers powered by (2) QSC MX-3000a amps - Total 9,200 watts.

(2) EAW SB-528R subwoofer speakers powered by (4) QSC MX-3000 amps - 4000 watts.

Subwoofers are controlled by a QSC DSP-3 digital processor at front of house. The 650's are controlled by the FOH dbx 481 loudspeaker controller feeding (1) Brooke Siren Systems Minidrive loudspeaker management system downstream.

Both systems combined total power = 23,550 watts.

SPEAKER PLACEMENT

In most situations the speaker placement is as follows: (6) AS-660 speakers are mounted inside the sound enclosure above the stage. The delay speakers are mounted in the doors of the second box boom, and the front fill speakers sit on the floor at the down stage edge. Four (4) KF-650z's hung line array style on each side of the stage at the proscenium, with a subwoofer on the floor directly below.

ON-STAGE MONITOR SYSTEM

Onstage monitor mixing is optional and consists of:

Ramsa WR-S852 Sound Reinforcement Console

(52) Input console, (36) mono input modules (2) sub mix input modules, which consist of (8) inputs per module. (8) Group outputs. (8) Aux outputs. Stereo L/R Master outputs. 10X8 Output Matrix

(9) Meyer UM-1 Monitors Powered by (2) Four channel monitor racks each with (4) Meyer M-1A processors, (2) Crest 7001 and (2) Crest 4801 amps- 1155 watts per mix (715 LF/440 HF)

(2) Flag Systems 215 side fill enclosures with (2) 15" woofers and a 2" exit horn each.

Side fill amp rack with (1) Crest 7001 amp and (1) Crest 3301 amp 1870 watts total (715 LF /220 HF per side)

(1) Denon DN-610F CD Cassette Combo

(1) Yamaha REV-500 Digital Processor

(2) Ashley 4.24 GS Digital Graphic Equalizers

(1) Ashley 4.24RD Equalizer Remote

(1) Presonus ACP-88 8 channel gate/compressor

Note: Up to (4) stage monitor mixes are available from front of house without the use of the use of the on-stage monitor system. There are (2) Behringer 8024 dual graphic EQ's at front of house, and (2) QSC EX-1250 power amplifiers available. 400 watts per mix.

HOUSE MIX LOCATION

Rear of orchestra seating level 113' 5" from the Plaster Line. The booth is under the Loge overhang but, while the engineer is seated, the line of sound is not obstructed. Booth size is 12' deep, 8' 2" wide with a 3' 5" wall.. The wall and/or the built in table cannot be removed.

MICROPHONE LINES

Over (150) Microphone lines available on stage and in the house all terminate at an XLR patch panel Stage Left. (2) 150' 24X3 snakes also terminate at the same location Stage Left. 48 microphone lines and 16 tie lines connect the Stager Left patchbay with the console position.

HOUSE EFFECTS AND PROCESSORS

- (1) Roland SDE-1000 Digital Delay
- (1) Yamaha SPX-90 Digital Processor (Hot rodded to SPX-90II specs)
- (1) Yamaha REV-500 Digital Effects Processor
- (2) Yamaha Rev 7 digital processor
- (8) dbx 160X Compressor limiters
- (2) Behringer Autoquad 4 channel noise gates

HOUSE RECORDING AND PLAYBACK

- (1) Tascam 122 mkIII Cassette Deck
- (1) Tascam MD-301 Mini Disc Recorder
- (1) American DJ Pro 200 Dual CD Player

HOUSE INTERCOM

- Is All Clear-Com
- (1) SB412A (4) station switch board main station
 - (10) Model 501 single channel belt packs.
 - (4) Model 502 double channel belt packs.
 - (10) Single muff headsets.
 - (14) Double muff headsets.
 - (4) Wireless headsets available.

PLEASE SEE OUR WIRELESS FREQUENCY INFORMATION SHEET SHOWING ALL KNOWN RADIO FREQUENCIES IN USE THROUGHOUT THE COMPLEX! (Available on the website.)

MICROPHONES AVAILABLE

Our theatres share a versatile assortment of microphones including:

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|----------------|---|
| AKG | C-414B, C-460/CK-61, D-112, 535EB |
| Audio Technica | AT-815B |
| Audix | ADX-90 |
| Beyer | M-160 |
| Crown | PCC-160 |
| Electro Voice | MC-150, RE-16, RE-20 |
| Sennheiser | E-609, MD-735 |
| Shure | 565SD, Beta 52, Beta 57, Beta 58, SM-57, SM-58, SM-81 |

WIRELESS MICROPHONES

- (1) Shure SLX series Frequency-Agile Combo with SM-58 Hand-Held and WL-93 lavalier
- (3) Shure LX series Fixed-Frequency Combos with SM-58 Hand-Held and WL-93 lavalier
- (2) Sony MB806A six channel frequency-agile wireless microphone systems. Each system has (6) WRT-805A Belt packs with ECM-77BMP Sony Lavalier Microphone and (3) WRT-807A Sony Handheld Transmitters

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EQUIPMENT AND MICROPHONE AVAILABILITY

As this is a multi theatre complex, not all of our equipment may be available for your event. Every consideration in equipment allocation will be made in the best interest of each event as possible. The facility, use, location, staging, and client needs will all determine how equipment will be allocated.

PAGE AND CUE SYSTEM

Stage manager page and program feed to all dressing rooms and hallways.

LOBBY CHIMES AND PROGRAM

Mass-Rowe chimes to all lobby areas operated from SR. Microphone and program feed available.

ASSISTIVE LISTENING SYSTEM

Single channel Sennheiser infrared listening system for the public seating area. (50) Headsets are currently available.