

LONG BEACH PERFORMING ARTS CENTER

300 East Ocean Boulevard
Long Beach, California 90802

Center Theater Sound System 7/26/05

OVERVIEW

Due to the unusual design and shape of The Center Theater, the house sound system is a combination of two different but wholly compatible systems:

The first system is the “music” system. The music system is a triamplified, high level, stereo rig designed primarily for reproducing live music and recorded sound.

The second system is the “voice” system. The voice system is a monophonic, distributed system with front fill speakers designed specifically for the Center Theatre. It can be used in concert with the music system or alone, as a highly intelligible voice and music reproduction system.

Both the music and voice systems are controlled by a dbx 481 loudspeaker management system from front of house.

HOUSE SOUND BOARD

Soundcraft Delta-32 mixing console with deluxe input modules.
(28) mono inputs, (2) stereo line inputs, (4) Groups, (6) Aux outputs. Stereo L/R Master outputs.
A pair of Yamaha NS-10 near field monitors powered by a Crown D-60 power amplifier are mounted in the booth for your convenience.

MAIN MUSIC SYSTEM

(4) Meyer UPA-1B Speaker systems, Two per side. Powered by (1) Crest 6001 amp and (1) Crest 4801 amp - 2050 watts.
(2) Meyer USW-1 subwoofers powered by (1) Crest 4801 amp – 850 watts.

MAIN VOICE SYSTEM

(7) Meyer UPA-1 speakers powered by (4) Crest 4801 amps –3150 watts
(5) JBL Control-1 Speakers powered by (1) Crest 4801 amp - 700 watts.

Music & Voice systems combined power: 6750 watts

STAGE MONITOR SYSTEM

Onstage monitor mixing is optional and consists of:
(1) Soundcraft 500M Series 24X12 mixing console
(1) Ten Channel amp rack - (5) QSC MX-1500a amplifiers, 350@8/500@4 watts per channel
Up to (8) EAW LA212 wedges with (1) 12” woofer and (1) 2” horn
Up to (8) Ramsa WS-200 speaker systems in custom “monitor wedge” shaped mounting enclosures.
(1) 12” Woofer and integrated horn/driver combination.
(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) Crest 4801 power amplifiers available. 400 watts per mix.

AMBIENT EFFECTS SPEAKERS

(2) Sonic Systems “Soundsphere” speakers are suspended above entrance tunnels 2 and 3 for omni directional ambient audio effects. These are powered by 2 channels of a Rane MA-6 power amplifier. 150 watts per channel.

HOUSE MIX LOCATION

Rear of Loge seating level 54' from the Plaster Line. The booth is under the Light Booth overhang but, while the engineer is seated, the line of sound is not obstructed. Booth size is 7' deep, 7' wide with a 3' 5" wall. The built in table is 27" high. The wall and/or the built in table can not be removed.

HOUSE MIC LINES

50 Microphone lines available on stage and in the attic. First 40 lines also terminate stage right.

HOUSE EFFECTS AND PROCESSORS

- (2) Yamaha REV-500 Digital Processors
- (3) DBX 166A Dual Gated Compressor/Limiters

HOUSE PLAYBACK AND RECORDING EQUIPMENT

- (1) American DJ Pro-200 Dual CD Player.
- (1) Tascam MD-301 Mini Disc Player/Recorder
- (1) Tascam 122 MKIII Cassette Deck
- (1) Panasonic SV-3800 RDAT Recorder

HOUSE INTERCOM

Is all Clear-Com

- (1) LBPAC 2 Channel RBA Clear Com Power Supply
- (7) Model 501 single channel belt packs.
- (1) Model 502 double channel belt pack.
- (6) Single muff headsets.
- (2) Double muff headsets.
- (2) 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:

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 the listed equipment may be available for every 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

Digital Copy Of Mass-Rowe chimes to all lobby areas operated from SR & Light Booth. Microphone and program feed available.