

## **Audio System Description – Sydney Laurence Theatre**

The equipment described here is permanently installed, and comes with the rental of the Sydney Laurence Theatre. Audio accessories, (microphones, cables, stands, etc.) are available on a first come first serve basis. Some accessories, such as wireless microphones, DAT machine, bi-amp monitors, etc. are available on a rental basis.

### **Main Cluster**

One JBL subwoofer model 4645 and three NEAR model NCS666 Full Range cabinets located in the proscenium arch.

### **Side Stacks**

2 JBL 4852 Full Range cabinets located down stage right and down stage left at the proscenium arch. JBL 4852 with 12" Cone, 1" Compression Driver with a bi-amp rack containing Serb Systems (BSS FDS360) Dual 2-way Electronic Crossover (2) QSC 1400 Stereo 200W Amplifiers.

### **AUDIO CONTROL ROOM**

The audio control room is located at the rear of orchestra level, house left. This room contains the main power switch for the audio systems and the central patch bays. The Control Room Console Panel has 16 inputs. The Outputs include: 1 main to cluster, 2 to fold back, 4 to auxiliary, and 2 to monitor amp. This is also the location for the System Control Panel with final volume controls for speaker bar and slf speakers.

The control room also has program distribution to backstage, lobby, intercom, and infrared systems. Other items in the control room include: Nakamichi MR-1 cassette deck, ADD-2 digital delay, Clearcom MS-200C 2-channel intercom, infrared modulator, QSC 1200 monitor amp and 2 JBL 4406 monitors. Clearcom is distributed from this room to all related production areas. (Light booth, follow spot booth, fly rails, etc.)

### **FOH Mix Console / Processing**

The front of house console is a Mackie CR1604 16X4X2. It has (16) inputs with (4) sub groups, (4) auxiliary sends, and stereo master output.

## Front Of House Processing Racks

(2) DBX	166	2 Channel Compressor/Limiter
(1) Furman	PL8	Power Conditioner
(2) Klark Teknik	DN360	2 Channel Graphic Equalizer
(1) Lexicon	LXP-15	Effects Processor
(1) Yamaha	Rev 500	Digital Reverberator
(1) BSS	DPR 944	Opal 2+2 Parametric Compressor / Gate
(1) DBX	1066	2 Channel Compressor / Limiter / Gate

### Playback Rack #3

Denon	(2)	DNC635	Stereo	CD Player
Denon	(1)	DN790R	Stereo	Cassette Deck

### HOUSE MIX POSITION

The house mix position is located house left last row of seats, which is under the Mezzanine overhang. It is located approximately 52 ft. from the lip of the stage. The space needed for the house mix position normally negates 4 seats. Depending on your mix console requirements, amount of process gear, and drive racks, some seats immediately in front of the mix position may become "obstructed view" seats or unusable.

There are a total of (16) hardwired mic lines available at the mix position. The house mix panel also has XLR output connectors to main (1) cluster, (4) XLR aux outputs, and (2) XLR outputs to foldback. There are usable routes from stage to house mix for you to run your custom show harness through the house.

Power to house mix consists of (1) 20-amp circuit of dedicated audio power.

### FX MONITORS

All cluster EQ, electronics, and power amps are in a separate amp rack room. This is also the location of all auxiliary system power amps, and FX power amps. There are a total of (2) FX QSC 1200 power amps. The FX amps are used for running passive crossover stage monitors. The FX amp input can be fed from fold back buss 1 or 2, or an independent input.

## **AUDIO POWER**

Below the upstage right service, house has installed a 50-amp dual-phase Hubbell connector as a feeder for a Hubbell spider. The feeder cable for spider is 50 ft. long. The spider has (2) 20amp twist lock outlets and (6) 20 amp Edison outlets.

## **Stage Managers Console**

Stage Managers console is a portable page control panel, which can be, used downstage right or left as well as in the light booth.

## **Program/Paging System**

All dressing rooms, wardrobe, or green rooms, can get a program feed from any one of the three theatres. The light, sound, follow spot booths and lobby of any given theatre can get a program feed only from that theatre.

The system also allows you to interrupt the program feed, and page members of your company. Permanently installed page controls are located in the sound booth. We can also carry in a portable page control panel and plug it in DSL, DSR, the lighting booth, or at a directors/designer location in the middle of the house on the main floor. If your company must use your own paging system, you can still tie into house distribution. You supply a balanced line level signal that can toggle between program and page, and house will input that signal to our distributed speaker systems.



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