

# RiverCenter for the Performing Arts

## **House Sound System**

**PLEASE NOTE THAT THE ENTIRE INVENTORY MAY NOT BE AVAILABLE FOR YOUR PRODUCTION. PLEASE CONFIRM INVENTORY WITH THE TECHNICAL DIRECTOR AT LEAST 30 DAYS PRIOR TO YOUR EVENT.**

### **Overview**

The system consists of EAW Left/Right stacks and Center Cluster, with delayed fills for stage lip, box seats, under mezzanine, under balcony, and over balcony, plus lobby and backstage feeds. All of this can be configured via the house patch bay to be fed from one line or individual lines. Basic speaker management and processing is done with XTA DP226 and DP202 units, located in the control room along with the patch bay, Aphex limiters, Oxmoor distribution amps, and Crest amplifiers. House mixing is done from the 12'x 8' mix position in about the center of the orchestra level seating or in the enclosed sound control booth behind orchestra level seating. RiverCenter for the Performing Arts asks that all performances adhere to a maximum SPL level of 96dB A at mix position. Variances from this policy can be obtained by prior approval of the Technical Director. Regardless of SPL measurement we would ask that all performances be responsive to the reactions of our patrons and staff and conduct themselves in a manner consistent with the type of performance taking place.

If you have any questions about audio, you can contact the Audio Coordinator, Lance Fraker at [lfraker@rivercenter.org](mailto:lfraker@rivercenter.org)

### **Main Speakers**

Each side (**Left/Right**) of the proscenium consists of the following stacks from top to bottom:

- 1 - KF 650 aimed at balcony and mezzanine
- 1 - KF 650 aimed at mezzanine and orchestra
- 1 – KF 650 aimed at orchestra level
- 1 – JBL VPSB7118DP (18" sub)

The motorized **center cluster** is deployed from an opening in front of the proscenium, and consists of the following:

3 - KF 650 on the top tier aimed at the balcony

2 – KF 300 on the bottom tier aimed at orchestra level

1 – SB 330e in between the 2 KF 300s

Portable **front fills** consist of 5 – JF80 along stage lip.

Orchestra **box fills** are 1 – UB82 per side.

Mezzanine **box fills** are 1 – JF80 per side.

Under mezzanine fills are 5 – JF80 speakers evenly spaced.

Under Balcony fills are 5 – JF80 speakers evenly spaced.

Over Balcony fills are 3 – MK2164 speakers evenly spaced and aimed at upper balcony.

## **Front of House Sound Gear**

**House Console** is an AVID Venue SC48

### **Play Back Gear:**

2 – Tascam CD-450 CD player

Additional outboard gear may be obtained with prior approval from the Technical Director.

## **Monitors**

Monitors are normally run from front of house, with eighteen effect/monitor outputs strategically placed throughout the theatre (Eight are located on stage. 2ea. Down left and right, 2 ea. up left and up right). Monitor inventory consists of the following: (all EAW)

5 – SM200 wedges

4 – SM122e wedges

6 – FR129z portable speakers

2 – LA325 side fills

**Hearing Impaired System** is a Sennheiser infrared system with 30 RI-100A headsets and 10 RI-100J headsets.

## **Microphone Inventory includes:**

Shure SM57

Shure SM58

Shure SM81

Shure SM393/s boundary floor mics

Shure MX202B/S hanging overhead mics

Shure Beta 52A instrument mic

Shure Beta 98 instrument mic

ELV N/D 468

ELV RE 20

Sennheiser MD431 vocal mics with switch

Sennheiser MD421 instrument mics

AT 4033/SM

C Ducer CPS-8

Whirlwind Hot Box DI

Whirlwind pcDI Crown

PCC-160

Sennheiser e604

Audix D6

Additional mics and DI's may be obtained with prior approval from the Technical Director.

Note: **WE HAVE NO INSTRUMENT CABLE!** Please supply your own!

## **Wireless Microphone Inventory**

2 - Shure receivers

2 – Handheld Beta 58

2 – Handheld Beta 87

2- Countryman E6 (light beige)

2-Sennheiser MK2E

## **Intercom System**

Consists of a 4-channel Clearcom MS440 main station with jack locations throughout the theatre. There are 10- RS501 belt packs, 2- RS502 belt packs, 2-RS601 belt packs with Beyerdynamic DT108 and 109 headsets. Also available is a Telex BTR800 wireless intercom system with 3 belt packs.

## **Other Inventory**

Assorted mic stands and booms by Atlas

Whirlwind 12 channel, 50ft. sub snakes

Whirlwind 24 channel sub snakes

Whirlwind 56 channel 3-way isolated split W4 for use downstage left

Assorted length Whirlwind XLR mic cable

## **Additional Information**

The house has a 56 source mixing capability:

12 inputs Downstage Right

12 inputs Downstage Left

10 inputs Upstage Right

10 inputs Upstage Left

8 inputs in Orchestra Pit

4 patchable inputs in the first catwalk

There are 16 tie lines strategically placed with mic input locations in the theatre to get line level signals from stage to patch bays or vice versa.

The Backstage and Lobby systems provide program audio as well as priority announcements from the stage manager or house manager.

Also, there are 32 patchable video jacks conveniently located on stage and in the house and lobby.

## **Power Distribution**

All power disconnects accept male Cam-Locks or tails.

(2) 200A Disconnects (3-phase + **isolated** ground and neutral) located SL 30' offstage

(1) 100A Disconnect (3-phase + **isolated** ground and neutral) located in the Loading Dock

### **Deck Power**

Nutech Industries 60 amp, 3 phase, 4 wire & ground 120V power distribution with Multiple Doghouses and Quad boxes is available. Power Distribution is three 20 amp circuits on an isolated ground.

# **Stage Specifications**

## **Stage Floor**

Wood stage floor consisting of ¼" masonite surface, painted black over two layers of staggered plywood (7/8" and ¾") 2"x4" sleepers and neoprene pads.

- Any damage to the floor incurred by production requirements must be restored.
- The maximum lag depth into stage floor is 1.5".