

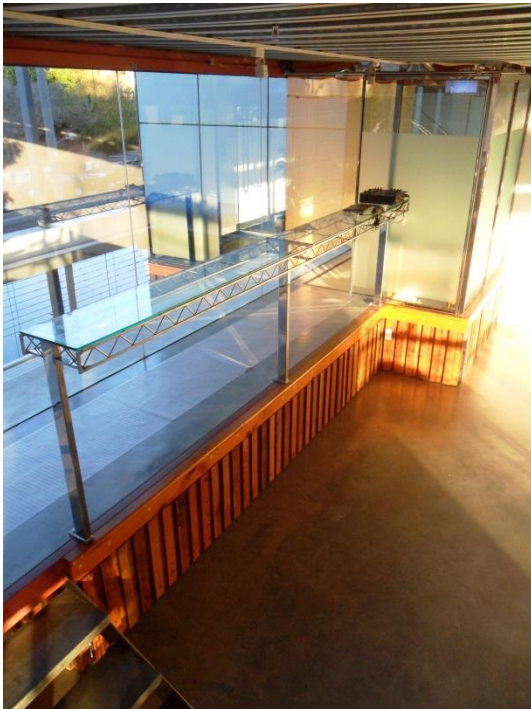
800MAIN Audio Equipment

Overview

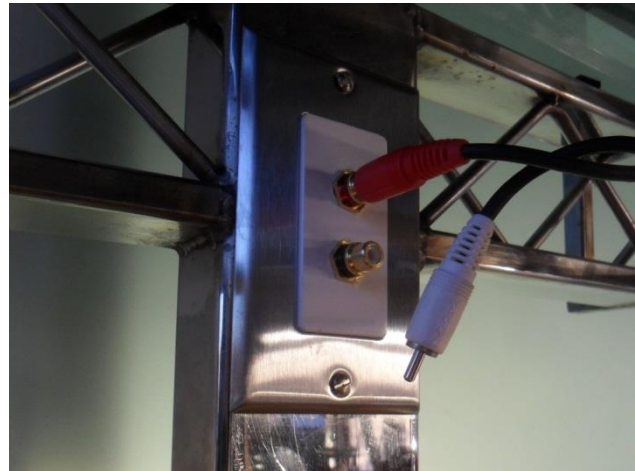
Revised 10/2014

800MAIN has two audio systems: an analog system which uses conventional shielded wiring and a digital system which broadcasts streaming audio over the in-house local area network. The primary difference between these two systems is that the digital system includes speakers located throughout the building, including in the ceilings of the third floor, pool area, rooftop, basement and several of the service areas. This digital system best serves events when the audio is pre-recorded, such as a playlist from a computer. The analog system is better suited for DJ “beat matching” and live performances, where encoding and decoding streaming audio might cause an undesirable signal delay.

All features of the digital system are controlled through a computer console. The digital system offers volume controls for each location where audio is decoded, in addition to the master control that is located at the input mixer. The digital delay is configurable and is currently set to 80ms (0.08 seconds). In the case of an emergency, the digital system is designed to interrupt the playlist music and broadcast alarm conditions and instructions throughout the entire 800MAIN complex. The digital components include the Barix.com Exstreamer and Announcicom families of products.



DJ Counter, 14 In. x 13 Ft and 42 In high.



Line-Level Building Inputs: RCA Jacks, Upper (Red) Rooftop and Lower (White) 2nd Floor Amplifier.

Also included on the underside of the DJ counter is an RJ-45 Ethernet connection to the local area network. Typically, the digital audio encoder is connected at this location.

Disc Jockey (DJ) Counter: This counter is located on the second floor, elevated along the pool dressing room walkway. From this location, all of the building audio can be controlled. The glass countertop measures 14 In. x 13 Ft., ample space for common DJ equipment. On the underside of the counter there are two 120VAC power strips which each offer four grounded outlets. The counter is wired with two female RCA Jacks that provide analog line level signals to the building’s wiring, where one connector is wired directly to the rooftop and the other to the receiver on the second floor.

Preamp – Mixer: 800MAIN offers two mixer options: the [Pioneer model DJM-600](#) mixer console typically used DJ's, which includes Beat Matching and Effects features; or a simpler design made by [Behringer, model UB1003](#), which supports 10 Inputs and has a phantom power option.

Second Floor Speakers: There are three subwoofers and twelve mid-range/tweeters suspended from the ceiling.

These speakers are powered by a [Denon AVR-1912](#) Receiver-Amplifier. The output is wired into six channels, each producing 125 Watts of power. The Receiver operates from one of two possible inputs: the analog feed from the DJ Counter or from the digital system, through a decoder device. In addition, when the digital system is used, the four 6" rear patio wall-mounted weather-resistant speakers create a background fill-in sound which is particularly nice when the rear hanger doors are in the closed position.



Above: [Orb Audio Super Eight 200](#) watt powered Subwoofer and two Mod1X speaker clusters (one of six channels).

Third Floor Speakers: Each room has two or more embedded [Bose DS-16F](#) ceiling speakers. These are independently wired and may be used to produce stereo or monaural sound. Typically these speakers are attached to the digital sound system. There is no wiring in place for the analog system.

Rooftop Speakers: Both the analog and digital sound systems are wired into the rooftop. The speakers include four permanently mounted 5" [JBL Control 25](#) outdoor speakers that provide background music and announcements through the digital system or any of the Auxiliary Speakers listed in the section below. The wiring of the auxiliary speakers in this area must be installed for each event. It typically includes a daisy-chain wiring schematic, where each speaker device offers both signal input and output. AC power is also required for the auxiliary speakers.

When audio is used on the rooftop, please keep in mind that sound carries through the air and we have neighbors who expect our guests to respect their peace and quiet, so be sure to inquire about rooftop hours relative to day of week and hour of day.

First Floor: Prep Room, Entry Hall and Garage Area: Emergency speakers at this time only.

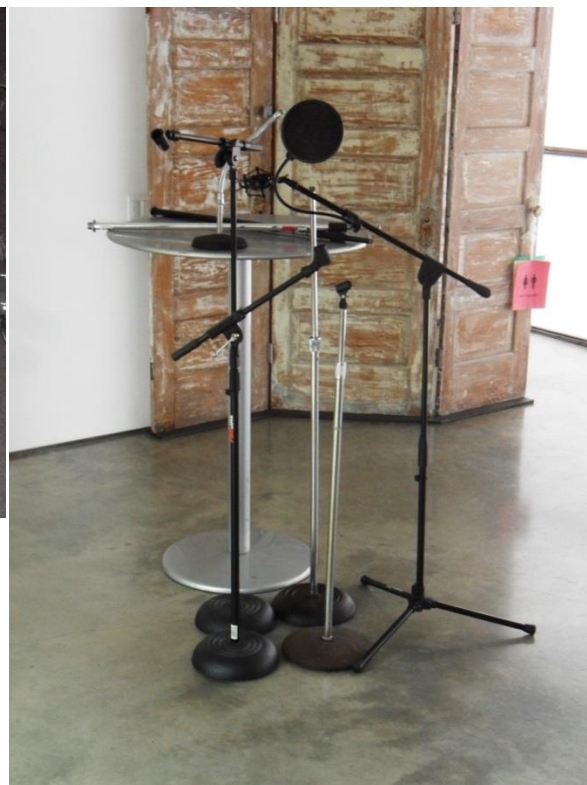
Basement Floor: To be announced...

Pool Patio: Suspended from the ceiling are four [Bose 151](#) outdoor weather-resistant speakers which are connected to the digital audio system. An underwater speaker by [Clark Synthesis](#) which floats in the pool is also available on request.

Auxiliary Speakers: At present 800MAIN owns six JVC EON portable self-powered speakers. Two of them are 15" speakers ([EON15P](#) & [515XT](#)), while the other four are the smaller 10" model [EON10G2](#). These speakers can be placed directly on the ground or mounted on a tripod stand. Four tripod stands are available. The wiring of these speakers requires 120VAC power and line level audio. The audio can be produced by either the digital or analog system throughout the building. These speakers are capable of being daisy-chained together.



Microphones: We offer a vast assortment of microphones to meet most any need. Our present selection includes Unix IM-450, Marshall [MXL R144](#), Shure [M85](#), 2 ea. Nady [CM-88](#) (condenser which requires phantom power provided by mixer), Sennheiser wireless [EW-100/SKM-100](#) mic, 4 ea. [Crown PZM Sound Grabber](#), Crown PZM lapel clip-on, Audio-Technica 1 ea. [MB-1000H](#), 2 ea. [DR-T300](#) wireless, and 4 ea. DR-T100 w/ AT829 lapel clip-on. 800MAIN also has an assortment of microphone floor and table top stands.



Misc. Equipment: 800MAIN has several hundred feet of speaker cables, many connector adaptors and jumper patch cords. If you don't see what you are looking for, please feel free to inquire. All audio requirements should be planned out in advance of event.

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