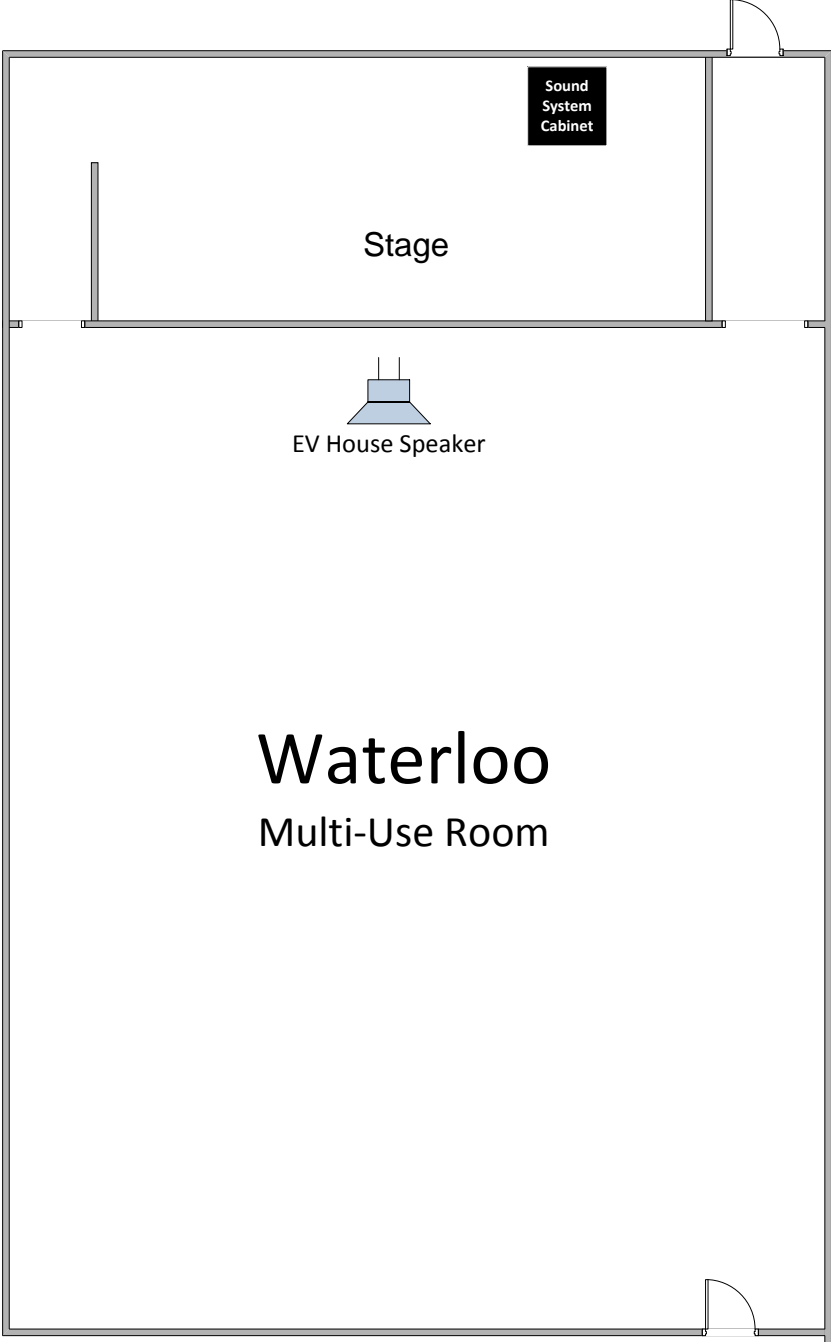


Waterloo Sound System Documentation

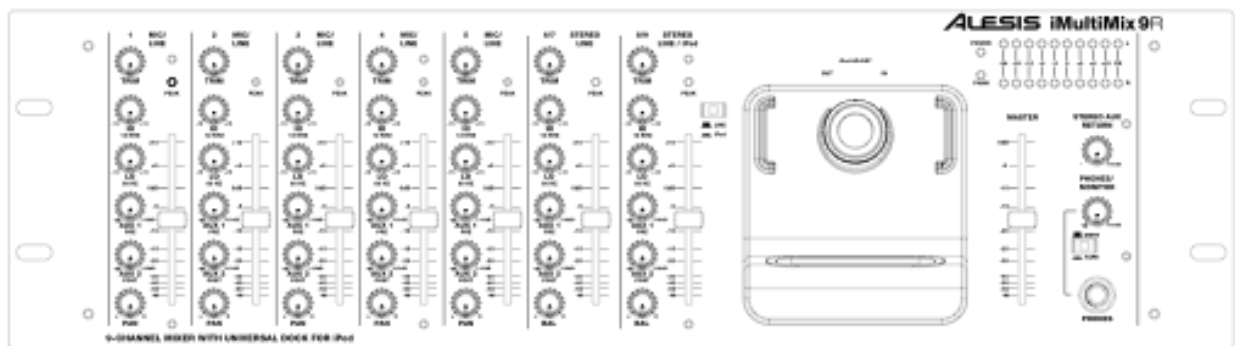


Components

- 1 - Alesis iMultimix 9R (Sound Mixer)
- 1 - Crown XLS 1500 Power AMP (Tops)
- 2 - Sennheiser ew100 G3 Receivers (2 Handhelds)
- 1 - Fuman M-8Lx PDU
- 1 - EV Wedge Speakers (House Sound)

Alesis iMultimix 9R

The Alesis iMultimix is the main mixer for the Waterloo Multi-Purpose room sound system. This piece of hardware is used to connect all of the incoming signals, mix the audio levels, and then output the sound to the Power Amps. This device has a total of seven input audio channels.



- Channel 1 – Sennheiser ew100 3G Handheld 1
- Channel 2 – Sennheiser ew100 3G Handheld 2
- Channel 3 – Stage 1
- Channel 4 – Stage 2
- Channel 5 – Stage 3
- Channel 6 – Projector
- Channel 7 – iPod Dock (Alesis iMultimix)

Each channel has independent controls to adjust the Trim, Highs, Lows, two Aux sends, Pan and a volume slider.

TRIM - Adjusts the level or volume of the signal coming into the mixer.

HIGHS - This is similar to Treble. This will adjust the high end of the sound wave either up or down depending upon how set.

LOWS - This is similar to Bass. This will adjust the low end of the sound wave wither up or down depending upon how set.

AUX - The two AUX sends are commonly used to send audio to stage monitors.

PAN – This allows you to adjust the balance of the sound. This would be something you may need to use if using a split track where audio is on the left, and singing on the right. This should not be adjusted unless you are doing so for a specific media type.

VOLUME SLIDER - This slider is the volume control for the individual channel. It is used to mix the sound levels coming out of the house.

On the far right side of the mixer you will also find a Master Slider. This slider controls the sound level of the mix coming out of the house speakers. The higher the slider is the louder the sound.

Sennheiser Wireless Microphones

The Sennheiser Wireless Microphones installed at Waterloo are wireless handhelds (Sennheiser e815). This style of handheld is good for when handling normal presentations, or for vocals (singing). These mics tend to have no issues with feedback unless the operator uses improper microphone techniques.

The Waterloo sound system has only handheld microphones. They are configured on the following microphone frequencies. It is important to note that each wireless device needs to not only be on separate frequencies, but ones with minimal interference. Testing the microphone in both the on, and off state will help you find open frequencies with minimal interference. The microphones are currently set to channels that appear to not have any interference at this time. To have the frequencies adjusted please contact the Technology Department.

Handheld 1 - 536.950 MHz

Handheld 2 - 530.850 MHz

All of the microphones are to be stored in the cabinet of the sound system. This will prevent the systems to be lost or damaged.

How to play audio from an iPod / iPhone

Step 1: Turn on the sound system by flipping the Power Switch on the Fuman PDU (Power Distribution Unit)

Step 2: Place the iPod on the dock on the Alesis iMultimix (Sound Mixer). Once properly connected you will hear the iPod make the charging alert sound.

Step 3: Verify the Master slider on the Alesis iMultimix 9R (Sound Mixer) is set to about 3/4s of the way. This is the master volume to the audience

Step 4: Set the volume level for the iPod (Channel 7) on the Sound Mixer. The higher the slider is the louder the volume.

Step 5: Test the iPod and adjust the volume to the level you want.

How to Use the Apple TV

Step 1: Turn on the sound system by flipping the Power Switch on the Fuman PDU (Power Distribution Unit)

Step 2: Turn on the Projector

Step 3: Set the Projector HDMI 1 using the source button on the remote

Step 4: Verify the Master slider on the Alesis iMultimix 9R (Sound Mixer) is set to about 3/4s of the way. This is the master volume to the audience

Step 5: Set the volume level for the Projector (Channel 6) on the Sound Mixer. The higher the slider is the louder the volume.

Step 6: Connect the Apple TV with your iPad using AirPlay

How to Use the Computer

Step 1: Turn on the sound system by flipping the Power Switch on the Fuman PDU (Power Distribution Unit)

Step 2: Turn on The Projector

Step 3: Set the projector to Computer 1 Input

Step 4: Connect the laptop to the Rapid runner cable located in the Gym

Step 5: Verify the Master slider on the Alesis iMultimix 9R (Sound Mixer) is set to about 3/4s of the way. This is the master volume to the audience

Step 7: Set the volume level for the Projector (Channel 6) on the Sound Mixer. This higher the slider is the louder the volume.

Step 6: Test the Laptop making sure the video and audio is working

How to Use a Wireless Microphone

Step 1: Turn on the sound system by flipping the Power Switch on the Fuman PDU (Power Distribution Unit)

Step 2: Turn on the wireless Microphone (Check battery level on microphone)

- a. Handheld microphones are turned on with a small red button on the bottom of the handset.

Step 3: Verify the Master slider on the Alesis iMultimix 9R (Sound Mixer) is set to about 3/4s of the way. This is the master volume to the audience

Step 4: Set the volume level for the Microphone to a desired level. Depending on which microphone you are using you will edit the appropriate channel. This higher the slider is the louder the volume.

Channel 1 - Handheld 1

Channel 2 - Handheld 2

Step 5: Test the Microphone to verify you are happy with the audio level