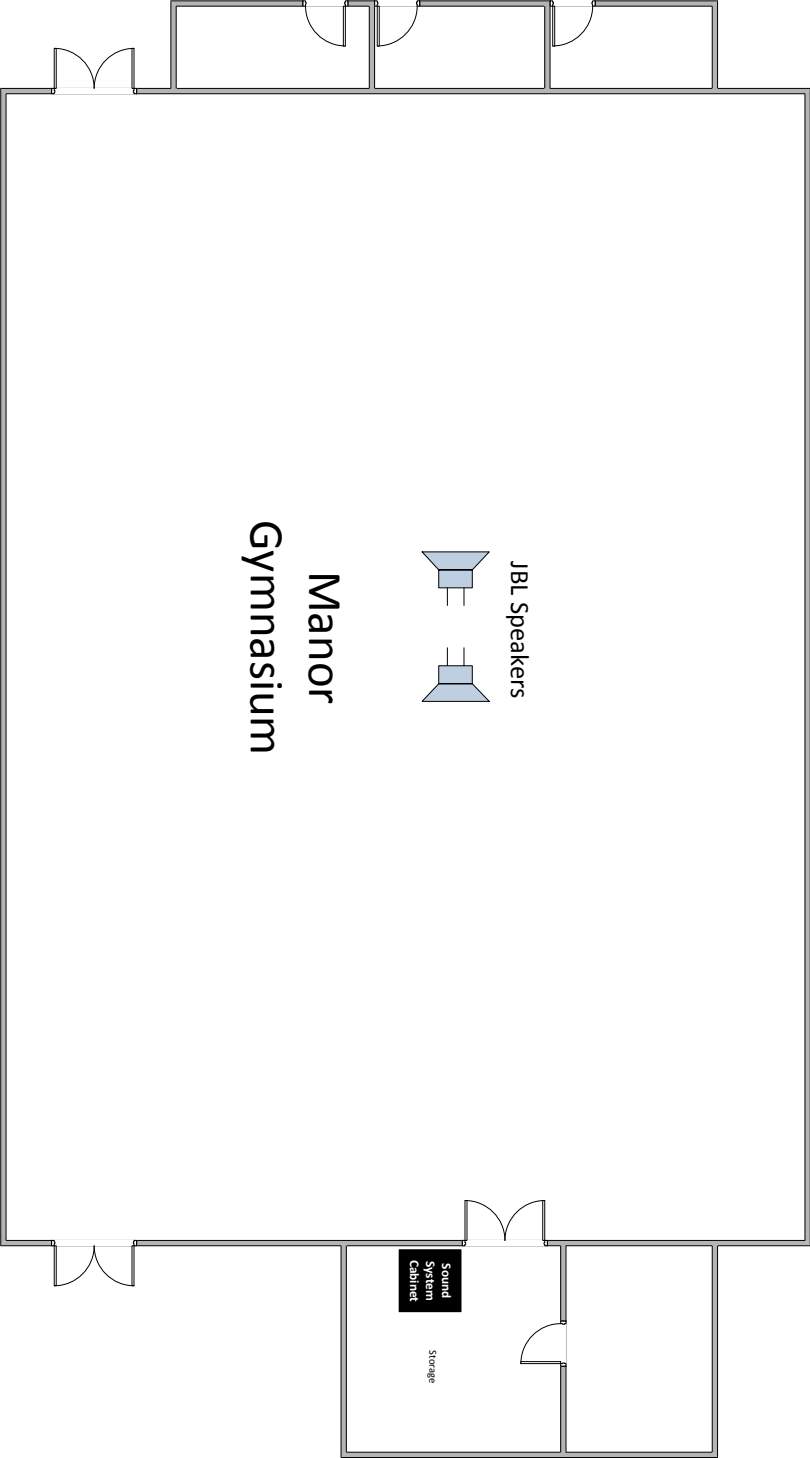


# Manor Sound System Documentation

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## Components

- 1 - Crown 28M (Sound Mixer)
- 1 - Tascam CD-200i (CD/iPod Player)
- 1 - Crown XTI Series 2000 Power AMP (House)
- 3 - Sennheiser ew100 G3 Receivers (3 Handhelds)
- 1 - Fuman M-8x PDU
- 2 - JBL House Speakers (House Sound)

## Crown 28M

The Crown 28M is the main mixer for the Manor gym 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 eight input audio channels.



- Channel 1 - Sennheiser ew100 3G Handheld 2
- Channel 2 - Sennheiser ew100 3G Handheld 1
- Channel 3 - Sennheiser ew100 3G Handheld 3
- Channel 4 -
- Channel 5 -
- Channel 6 -
- Channel 7 - Projector
- Channel 8 - Tascam CD-200i

Each channel has independent controls to adjust the Volume, Bass, and Treble controls.

**VOLUME DIAL** - These dials are for each of the channels and will allow you the ability to mix the individual channels.

**TREBLE** - This will adjust the high end of the sound wave either up or down depending upon how set.

**BASS** - This will adjust the low end of the sound wave wither up or down depending upon how set.

**MASTER** - This dial is the volume control for the house mix.

## Tascam CD-200i

The Tascam CD/iPod player is a single device allowing you to play music using either a CD (not MP3) an iPod / iPhone with the 30 pin adapter, or using the AUX in with a 3.5mm audio cable. To select which input you want to use on the remote control you will click the source key. To change sources on the device without the remote on the Tascam you will press both the Shift and Source Sel key at the same time. The Tascam will only allow you to switch to available sources. If an iPod or Aux cable is not hooked to the device, than CD will be the only source available.



## Sennheiser Wireless Microphones

The Sennheiser Wireless Microphones installed at Manor 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 Manor 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** - 520.700 MHz

**Handheld 2** - 521.800 MHz

**Handheld 3** - 518.200 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

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

Step 2: Turn on Tascam CD/iPod player (If not already on)

Step 3: Open the iPod doc by pressing on the tray and extend it to the open position

Step 4: Place the iPod on the doc. Once properly connected you will hear the iPod make the charging alert sound.

Step 5: Set source on the Tascam to iPod (If not already)

- a. Using the Remote control Press the SOURCE button
- b. Using the device press both the SHIFT and SEL SOURCE keys at the same time

Step 6: Verify the Master dial on the Crown 28M (Sound Mixer) is set to about 1/2 of the way. This is the master volume to the audience.

Step 7: Set the volume level for the Tascam CD-200i (Channel 8) on the Sound Mixer. The farther clock wise you turn the dial the louder the audio.

Step 8: Test the iPod and adjust the volume to the level you want.

# How to play audio from a CD

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

Step 2: Turn on Tascam CD/iPod player (If not already on)

Step 3: Set source on the Tascam to CD (If not already)

- a. Using the Remote control Press the SOURCE button
- b. Using the device press both the SHIFT and SEL SOURCE keys at the same time

Step 4: Insert CD by pressing the eject button on the CD player to open the tray, placing the CD in the tray, and pressing the eject button again for it to close the tray.

Step 5: Verify the Master dial on the Crown 28M (Sound Mixer) is set to about 1/2 of the way. This is the master volume to the audience.

Step 6: Set the volume level for the Tascam CD-200i (Channel 8) on the Sound Mixer. The farther clock wise you turn the dial the louder the audio.

Step 7: Test the CD and adjust the volume to the level you want

# How to Use the Computer

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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: Turn on the Laptop

Step 8: Verify the Master dial on the Crown 28M (Sound Mixer) is set to about 1/2 of the way. This is the master volume to the audience.

Step 9: Set the volume level for the Projector (Channel 7) on the Sound Mixer. The farther clockwise you turn the dial the louder the audio.

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

# How to Use a Wireless Microphone

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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 dial on the Crown 28M (Sound Mixer) is set to about 1/2 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. The farther clock wise you turn the dial the louder the audio.

Channel 1 - Handheld 2

Channel 2 - Handheld 1

Channel 3 - Handheld 3

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