

Worship Workshop 2016

Audio Tech Training

- I. Introduction
 - a. Mixers can be intimidating
 - b. Analog Mixers
 - c. Digital Mixers
- II. The Controls on a Mixer
 - a. Channel Strips
 - i. Gain/Trim Knob
 - ii. Low Cut Switch
 - iii. EQ (Equalizer)
 - 1. “3-knob EQ” on analog board
 - 2. Parametric EQ on a digital board
 - iv. Aux Sends
 - 1. Monitor Sends (pre-fader)
 - 2. Effects Sends (post-fader)
 - v. Pan (Panorama) Control
 - vi. Mute Switch
 - vii. Meter/Clip LED
 - viii. Solo Switch
 - ix. Subgroup Assignment switches
 - x. Main Assignment switch
 - xi. Fader
 - b. The Master Section
 - i. What’s a “Bus”?
 - ii. Buses on an Analog Mixer are fixed:
 - 1. Monitor Sends (pre-fader)
 - 2. Effects Sends (post-fader)
 - 3. Subgroups
 - iii. Buses on a Digital Mixer are freely-assignable as any of the three:
 - 1. Monitor Sends
 - 2. Effects Sends
 - 3. Subgroups
 - iv. Main Fader
- III. Operating the Mixer
 - a. “Zeroing Out” the Board (if you’re setting up from scratch)
 - b. Setting the Levels for a Channel
 - c. Adjusting a Monitor Mix
 - i. Analog Board
 - ii. Digital Board (X32)
 - 1. Using the Bus Sends

2. Using the Sends on Faders
- d. Putting it All Together
 - i. Ask the band to play
 - ii. Make adjustments until you can hear every voice and instrument clearly
 - iii. Ask the performers if they need adjustments to their monitor mix
 - iv. Repeat
- IV. Recording a Service
 - a. The common way: mixer connected to a computer or recorder
 - b. Why I DON'T do it this way:
 - i. Want to keep the computer free to run the presentation software
 - ii. There are some instruments we don't heavily mix through the system
 - c. How I Do it
 - i. Record to a portable recorder (Tascam DR-40)
 - ii. Use software to cut the songs into individual MP3 files
 - iii. E-mail the audio to band members
 - iv. Allows us to evaluate what we're doing right/wrong, and where we can improve
- V. Q & A Time

Additional Resources:

Go to our website, www.lakecityfbc.org. In the menu, click Ministries>Worship>Resources. On that page, there will be a section that says "Worship Workshop 2016 Materials", where you can download the full text of my presentation.