Recording Technology I

Lab #1 - Intro to Signal Routing

1. Power up the studio using the proper order
   1. Effects Racks (right to left)
   2. Multitrack Tape Recorder (MTR)
   3. Sound Workshop
   4. Power Amp for Monitors
2. Patch the output of the computer (V1 & V2) to the line inputs of channel 1 & 2 on the mix Console using the patch bay.
3. Open a wav file, loop it, and hit play.
4. Make sure channels 1 & 2 are set to receive a Line Level input
5. Make sure that the channel EQ is bypassed
6. Set the channels to Mixdown mode
7. Turn on channel 1 and set the fader to Unity (0-db)
8. Move the master fader up all the way. You should see level in the master fader LED’s
9. Assign the control room section to MIX and slowly turn up the monitor level knob. You should hear the audio playing in the monitors. If not, check your work. Make sure to verify your work constantly
   1. You are now in what is known as Mixdown mode. It routes signal from channel strips to the Mix Buss.
10. Turn off mixdown switch on the input channel.
11. Assign channel one to Buss #1
12. Rotate the output level knob for buss one fully clockwise.
13. The VU meters for that buss should now be moving. If not, check the BUS/TAPE switch in the MIX section.
14. Rotate the MON LEVEL knob. You should hear signal in the monitors. If not VERIFY.
15. Press the BUS/TAPE switch in the mix section and sound should stop.
16. Check that the controller for the MTR is set to AUTO. Put track 1 into RECORD READY. The MTR is now ready to receive signal. You should see the VU meter on track 1 moving and should hear the music in the monitors. If not VERIFY
17. Repeat step 4-18 for channel 2.
18. Rotate the pan knobs in the MIX section so channel 1 is fully left and channel 2 is fully right. You should hear a stereo signal. Verify by pressing the mono switch in the master section.
19. Stand in the mix position and verify that you are listening to stereo.
20. After you have completed the previous steps, neutralize the board. All knobs, faders, and switches that you have adjusted need to be returned to their normalized (or zeroed) position.
21. Power down the studio. Remember that the power down sequence is the reverse order of the power on sequence.