

Area 10 Sound Technician

Goal: Provide a solid, consistent sound for teaching and music at any event.

Times: Arrive at 7:30a, wrap-up around 11:45p
Come to the back door of the Byrd

Pre-Sunday Process:

1. Check Planning Center app to have a feel for the music and band

Sunday Morning Process:

1. Check Power Conditioners are on
 - a. These are on stage located in the main amp rack
 - b. Top is for audio, bottom is for lights
2. Check speakers
 - a. Plugged in, switched on
 - b. Volume Correct (Tops - 12 noon, Subs - 12 noon + 4 clicks)
 - c. Aimed (see Image)
**NOTE: Get the wireless handheld from top-right drawer of the red toolbox*
3. Sound Board
 - a. Make sure connections are made properly
 - i. Power
 - ii. White Cat5 (remote control) goes to number 1 on the black router
 - iii. AES50A Cat5 goes into the Black Cat5 slot on the floor box
 - iv. AUX In 5&6 for PC
 - v. Headphones are stored in the clear box for the lighting. Plug them into the handle area on the side of the console
 - b. Pull up the scene
 - i. Push View Button (on right, 1/3 down from top, section called "Scenes")
 - ii. Use 1st knob below screen to highlight scene 20 (Called "A10-Hybrid26\$")
 - iii. Push 1st knob to select
 - iv. Click right arrow to confirm
 - v. Scroll back to the top to scene 10 and save overtop of the scene called "A10-Hybrid26" notice there is no \$. You have to remove that to keep them separate.
 - c. Check PC audio input
 - d. Check wireless handheld and confirm audio is coming from ALL speakers.
 - i. This can be done by selecting the handheld channel and panning left, then right, then back to center.

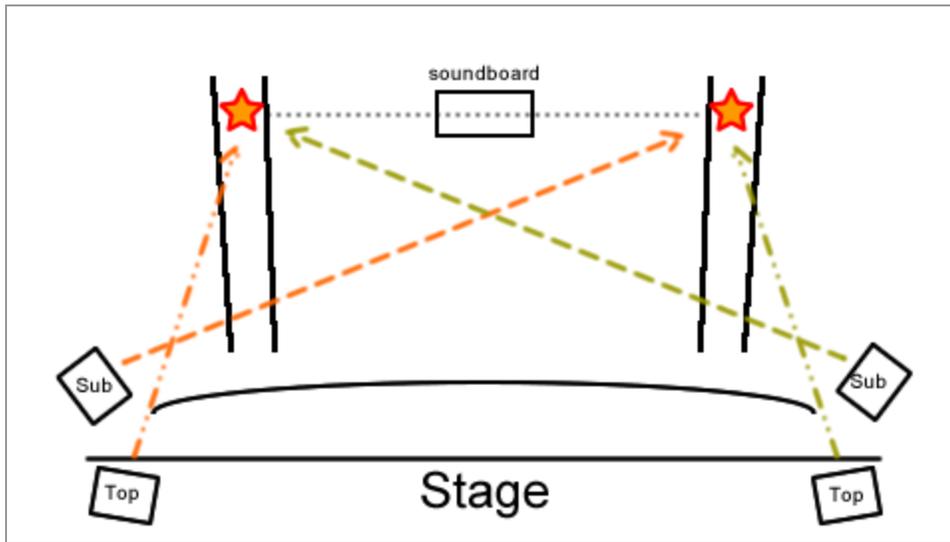
4. Sound Check
 - a. Turn the main fader to -10
 - b. Work your way from Left to Right on the board
 - c. Set Gain (top-left) to -12dB for all instruments at their loudest sound. Check compression and EQ
 - d. Have the band play part of a song while you refine the gain structure
 - e. NOW the band can properly set their monitors

5. Rehearsal
 - a. 1st song is usually to refine gain structure (and band actually gets warmed up)
 - b. 2nd song will allow you to get the general mix set
 - c. 3rd song you need to be checking the stream to make sure it is sounding good
**** NOTE:** Headphone volume is just to the right of the screen. Go to Matrix 1 and hit SOLO. This will solo the stream in the headphones. To make changes, Select MixBus 11, then hit the "Sends on Fader" button. Make small changes as needed. Make sure to stop Sends on Fader to get back to mixing the room.

6. Mixing the Service
 - a. Bring the house volume up in the last 3 minutes a few dB to increase the energy in the room
 - b. Mix with your ears. Keep an even balance of instruments with solid low-end support
 - c. Typically we mix the room between 90-93 dB for music, 68-72 dB for teaching. This is measured at the console using the free "Decibel X" app with A weighting.
 - d. Mute Groups
 - 1) Drums, 2) Band, 3) Vocals, 4) Pastor and Handheld, 5) None, 6) Delay FX

7. After Service
 - a. Shutdown the board. The following cables stay connected and live in the dogbox (box attached to the case).
 - i. Cable from the laptop
 - ii. AES50 Cat5 cable from the floor box
 - iii. Wireless router, power cord and Cat5 cable
 - iv. USB cable
 - v. Soundboard power cable
 - b. Roll soundboard to the closet
 - c. Take your table to the closet
 - d. Turn off each speaker, unplug the power cords, Place them in the handle
 - e. Move Subs to the closet
 - f. Put tops back on the dollies and move to the side of the stage
 - g. Check that batteries are back on charger from IEM, handheld and Pastor's Mic

Speakers Aiming:



Other Information:

Board IP Address: 192.168.1.101
Internal Network: a10tech5
Network Password: x32board
Monitor App: M32-Q

A10-Byrd Wiring Overview:

- White Cat5 connects the board to a wireless router (internal network) on the Lighting table. This is used to remote control of the board through iPad (sound tech) or phone (band).
- AES50a Cat5 takes signal to/from the digital snake located on stage in the rack
- We have three analog snakes pre-wired to handle inputs from stage and outputs to both speakers and monitors
- Monitors are handled through 2 wireless IEM (Lead & BGV) and 4 others go into a headphone amp (located in the rack) and sent through analog snakes to various locations. EG goes to the far side of the stage, Drums and Bass to the back center and Keys plug in directly at the headphone amp.