

UTH

Sound Bible

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Storage

The Dining Hall needs to be emptied out first. The majority of your equipment is stored there. These items can be moved to three different areas to install:

- Backstage
 - Center Array (rh PNx102/LA)
 - Side Arrays
 - Side Fills (Control 28)
 - Back Fills (Control 23)
 - Walkway Speakers (Control 28AV)
 - Community Speakers (Monitors)
 - Action Feed (JBL Control 5 & Atlas Sound AT5001694)
- Pit
 - 2 Water Proof Cases
 - Radios and Chargers
 - Mic Transmitters and Neoprene covers.
 - 2 Amps (They belong in the house right bird house)
 - Belt Pouches
- Booth
 - Sound Board
 - Booth Rack
 - Hearing Assist
 - 2 Boxes of Audio Snakes

The next area will be the front office storage. Talk to Kara Morrison if you do not know where it is. These items will also be moved to the previous areas.

- Water Proof Case
 - 2 Mac minis
 - Lighting gear
 - Cables needed for those
- 4 Computer monitors
 - 2 for sound
 - 2 for lighting
- Midi Pad, Cables, and Splitter

Load in

Side Arrays

Starting with the side arrays. On the rear of the arrays are switches that show which direction sound is sent out of. The sections that share the directions need to be attached and then hung on the opposite side it is shooting the sound from. There are four speakon boxes (two per truss side) on the ground level of the truss. The side arrays go into the box on their respective side.

Center Array

The center array has 9 pieces that are labeled 1-9. The information is written on the side on where to pin the arrays together. On the frame there is a line marked with yellow tape the eighth array piece and the rest will be logical to assemble. The center array is lifted by the chain motor and the main speak on cable is threaded through the stage left truss and connected to the box labeled "disconnect array before lowering".

Sub Cabinets

The subcabinets are on the upper stage right and left walls. The patch and cables are located beside the cabinets and in the cabinets respectively. Don't drop them, the cones are fragile.

Action Feed

The action feed includes 11 smaller speakers that are stored in a blue tub. The areas for the action feed include

- Stage Left
- Stage Right
- Center Round
- Midway Bridge
- End of Bridge pointing towards the stage
- End of Bridge pointing away from the stage
- Outside the Production Office
- Inside the Production Office
- The Ready room
- Boy's Dressing room
- Girl's Dressing room

All the areas have mount that will be obvious when you look for them.

Stage Monitors

The Stage Monitors (Community Wedge Speakers) are connected by a speakon cable. The cables are already positioned on the light bar ready to be plugged in.

Amplifiers

There are two sections that need to be installed in the house. The first are already there: The house left concession stand has two in the attic that is permanently installed. All that needs to be done is just power them on. House right amps need to be installed into the house right bird house. The amp cabinet is in the bird house on the right. It isn't hard to spot: it is a large black box.

Side Fills

The side fills are next. The wires for these are already installed.

- House Right
 - Bottom
 - The Lighting pole (Speaker with a C-clamp)
 - Between the Lighting pole and the bird house (Wooden Pole)
 - Two positions in the birdhouse
 - Underneath the column closer to the stage
 - High on a support column closer to the concession stands
 - Top
 - The pole behind the Gift Shop/info sign
 - On the Gift Shop
- House Left
 - Bottom
 - The lighting position (Speaker with C-clamp)
 - Between the Lighting position and the bird house (Wooden Pole)
 - Bird house (See above)
 - Top
 - The pole above the handicap ramp
 - The Bathrooms

Booth Speakers

These are similar to the side fills but hang on the roof to the booth. The wires are already installed. **MAKE SURE TO USE A 1/4TH ALLEN WRENCH.** Do not use the same one used for the JBL side speakers, they will be stripped.

Pathway Speakers

The white JBLs will be used to serenade the people waiting to get tickets. They will be on your list to get done quickly, they are heavy and will kill your knees when you carry them up the hill. There are two positions right next to the box office and entrance. The other eight are in the woods spanning from the entrance to the theater to the parking lot of the Oconaluftee Village. Make sure to bring some rope, bug spray, knowledge of hill climbing, and a couple of helpers.

Booth Setup

The Booth Rack has the power distribution on the upper level. The plug goes into the socket with a horizontal bit to accommodate on the back of the booth. Everything is power by that distribution that is sound related. The sound board is patched into the back left wall of the booth¹. The Stage box connects the sound board by a MADI cord. The two mac minis connect to the Sapphire Units on the rack by firewire. The Sapphire Units connect to the board by using the 1/4th inch to xlr snake. In order for the Qlab to interface with the Sapphire you have to run the pro40 software found under the documents under UTH 16 on both macs (This program must be running every time you run Qlab). The Hearing Assist sits on the rack while having an input from the board and an output connecting to an antenna on the front of the booth.

Clear-Com System

The Clear-com Box that the PSM uses patches to the second and third to last inputs on the snake. The Announcement output must be run through the sound board to make an announcement feed for backstage and house announcements. The back stage has four areas that need to be focused on. The ASM's stations on stage left and right, pyro station on stage right of the pit, and the master controls in the central windows of the pit. The ASM stations will need a clear-com box and headset plugged into the output that is labeled clear-com. The Pyro station will just need a headset due to having a box installed into the counter. The Master controls is the place that will need to be focused on in the beginning. The different channels (A, B, C, D) will need to be linked by pressing the listening buttons then the link option at the bottom of the unit.

Mic Building

Male Mics

The mics will need the thick silver wire, floral wire, Hellerman Sleeves, and a Hellerman Tool. The base will be built out of the thick wire to wrap around the ear and finish around the middle of the cheek (an example is left intact in the mic bag). The element is held to the thick wire and the floral wire is wrapped around both from the tip to the base of the ear. The Hellerman sleeves are then installed by lubricating the Hellerman Tool with hand sanitizer and slipping 2 or 3 sleeves on the arm of the contraption and one on the ear twist.

Female Mic

The female mics are easier to assemble. The elements will have wig clips attached to them. They are built by threading elastic through the holes of the clips, tying the tips in overhand knots and twisting the elements through three of them.

There are instructions on how to do both on YouTube if you are a visual learner.
Selu and Kanati should both have a double mic

¹ The Lighting Crew will be taking the last channel of the snake for the DMX input. KEEP IT CLEAR FOR THEM.

Pit Overhang

The Pit Overhang has two pieces of equipment that need to be hung on it. The Shure Paddles and Shotgun Mics are stored in the bottom cabinet, second from the left. The Shotguns (they look like a gun barrel) are attached closest to the Pit windows and connected to the xlr that is already installed. The paddles will be installed on the outside of the shotgun mics and attached to an antenna cable that is already installed.

Preshow Mics

The Preshow Mics are instrument condensers stored in the same cabinet as above. There is a cooler with holes and cables that will be used to protect the snake (stored in the dinning hall). The larger hole will need to be waterproofed with gaff tape. The two xlr cables that that connect to these mics will live on top of the cooler. The mics will be stored in the pit during the show and will be brought out before 7:30.

Strike

Just do everything in reverse.

Tracking of A1

5:30 - Call time

Preset mics and packs on the sound table with batteries and inspect the mics for any damage/wear. Mics are stored in rice in the pit and batteries are stored on chargers in the PO.

6:00 - Company meeting

Put the batteries in the mic packs and make sure there is enough mic tape for the cast.

6:30 – Power the System

The system should be powered in this order:

1. Power the sequencer in the booth, and then power the sound board.
2. After the board boots 100% have someone power the sequencers for the amps in the pit.
3. Turn on the mac mini's. They should run 2 programs during the show. Cuelab3, and a program for the outputs. The files can be found on both computers under documents>UTH 2016.
4. Make sure the Midi pad is powered.

6:45 – Sound Check

Using a pair of headphones and the solo function, listen to all the mics individually to ensure they are working and aren't popping or muffled.

7:00 – House Open

Ensure both Cuelabs are set to the first cue. Mute group 2 should be muted and light up red. If the main Cuelab fails, switch to the backup by simultaneously pressing mute group 1 and 2. Tap the Go button on the midi pad to trigger the crickets sound cue.

7:30 – Preshow

The condenser mics for preshow are located on bank B of the sound board on the channels labeled PS1 and PS2. These mics should be unmuted for preshow, and then muted before they are removed from the stage.

8:00 – Show

Mix the show. Cues are given via a LED cuelight. When the light is on, it is the signal for standby, and when it is turned off it is the signal for go. Late in act 1 you will need to skip a cue by using the Next button on the MIDI pad. The intermission and post show cues must be selected based on what is needed that night.

?:?? – Post Show

Once the last cue is finished playing, you can power down the mac mini's, but DO NOT power off the board until the amps have been powered off. Power off the board by holding the power button for 5 seconds, then pressing it a second time. Power down the sequencer.

Collect all the mics from the cast at the mic table, once everything has been accounted for, give 'mics clear'. The elements are coiled and stored in rice in the pit. The batteries are stored on the chargers in the PO.

Tracking of A2

Pre-Show

1. Retrieve batteries from P.O. and bring to the Mic Table
2. Assemble the batteries, transmitters, and elements
3. Place and wire the condenser mics for Preshow (stored in pit stage left) on top of stage left ramp. Wires are next to the cooler on the stairway.
4. Remove and store condenser mics

Intermission

1. Switch Mics
 - a. Aneice → Ta-ya-ni
 - b. Ann Worcester → Lucy
 - c. Rev. Worcester → Soldier #3
 - d. War Woman → Lowney
 - e. Going Snake → Jake
 - f. Molly → Wasseton
2. Call a mic clear

Post-Show

1. Collect and Count
 - a. Mics
 - b. Elements
 - c. Neoprene Packs
2. Charge the Batteries in the P.O.