

Tawes Sound Guidelines

The Rep Speaker Plot

- The Rep system provides basic coverage from 2 pairs of loudspeakers (upstage L&R, downstage L&R) and a pair of subwoofers (upstage L&R).
- Rep speakers may not be moved, refocused, or re-patched under any circumstances.
- If a Rep speaker gets accidentally unpatched or unplugged, consult the System Flow Diagram for info on how to restore it. Please also notify Prof. Eckelman.
- Rep sound paperwork (including the System Flow Diagram) is available in a binder in the Tawes booth and on the Theatre & Dance's website (under "Production Information").
- A God Mic (patched into Ch.11 on the Yamaha console) is provided in the Tawes booth. If desired, this mic may be moved to the house and re-patched, with help from the TD.

Additions

- Students may supplement the Rep Plot by adding additional speakers or microphones.
- Please come to your Load-In with a specific list of additions. Consult with TD Larry Stahl or Prof. Eckelman in advance to determine what loudspeaker / microphone would be appropriate, where it needs to be positioned, and how it can be rigged and patched.
- Most GCA audio equipment is available for production use. Just ask!

Safety

- Hard hats must be worn on the Booth Catwalk and 1st Catwalk (closest to the booth).
- Loudspeakers are heavy. Always ask for help.

Detailed information about the Tawes Sound System—including a speaker plot, signal flow diagram, and Sound Tutorials (instructions for booting/shutting down the sound system, adding speakers/microphones, working in Reaper, building cues in QLab, and operating the Yamaha Sound Console)—are all available on the Production Information website.

Audio Sources (QLab, microphones, keyboard, effects)

- All digital content (music, sound effects, etc.) should be played through QLab.
 - Designers are strongly encouraged to build their QLab file before their load-in.
 - If working on your personal computer, be sure to download v3 (not v4)!
 - When building your show file, use the TawesDefault.cues template (available on the Tawes Sound laptop or the Theatre & Dance Production Information Page).
 - At your Load-In, create a folder on the Tawes Sound desktop with your show name, and drag your bundled QLab3 workspace into that folder.
 - Save a new version every day, so you don't lose your work!
- All Theatre Department productions must use the Yamaha digital sound console.
 - Press User Defined Key #1 to recall the "Tawes Rep" preset scene.
 - *The analog sound console is only for GCA events, such as lectures & concerts.*
- Do not un-patch any part of the audio system (speakers, microphones, QLab, etc.) without explicit permission from Prof. Eckelman.

The Tawes Sound laptop

- The Sound laptop lives in the booth, and its connections should never be unplugged.
- To transfer content onto or off the Tawes Sound laptop, use the black USB hub.
- This computer is for audio editing and playback only; most other permissions (including internet access) are restricted.
- Files on the Sound laptop are automatically backed up using Time Machine.
Do not drag anything onto (or off of) the external hard drive.

Tech Rehearsals

- For full control, designers may connect their personal laptops to the Tawes Sound Laptop via ethernet or wifi, and screen share from the house. For help, contact Prof. Eckelman.
- For simple level adjustments, use the Tawes Sound iPad to play and adjust cues from anywhere in the theatre.
 - Both the iPad and laptop must be connected to the “Tawes Sound Network.”
 - The iPad lives in the wall-mounted cabinet across from the sound table.
 - Please return the iPad to its drawer (or leave it to charge) after every rehearsal.

Content & Editing

- Resources for acquiring content:
 - BBC Sound Effects Library (may be signed out from Prof. Eckelman)
 - Freesound.org
 - SoundDogs.com (to make purchases, contact Prof. Eckelman)
- You are encouraged to use:
 - The GCA Design Lab, which is appointed with:
 - High-quality studio monitors and a digital audio interface
 - Reaper, a powerful digital audio workstation for editing sound cues
 - QLab3
 - Soundflower
 - ...and other audio tools.
 - The Multimedia Production Center (aka “IdeaWorks”), which offers:
 - Equipment rentals (audio & video)
 - One Button Studio for audio & video recording
 - Music Department
 - Composition & editing suite, including Ableton Live

Design & Technology Help

- Resources for sound technology support:
 - Tawes Sound System Tutorials (in booth & online)
 - QLab documentation website (<http://figure53.com/qlab/docs/>)
 - Reaper user guide (<http://www.reaper.fm/userguide.php>)
 - Google & YouTube
 - peers, classmates, faculty
- If you need more help, just ask! Prof. Eckelman and the TDs are here to help.