Music Collaboration Laboratory (ColLab)

Arts Instruction Technology Resource Center, Room 190
University of California, Irvine

This lab was designed to promote an interactive, collaborative model for teaching, research, and creative work in audio and music. It can be used as a technologically-supported "smart" classroom—with audio, video, and computer presentation equipment—and it additionally supports wireless audio/video sharing from laptop computers and mobile devices, video conferencing, and audio recording. Here are a few of its main features.

1. A 7.1 surround sound system configured to support two-speaker stereo, surround stereo (using all speakers for two channels), quadraphonic, hexaphonic, 5.1 surround (the DVD standard), and 7.1 surround (the Blu-ray standard).
2. Multiple large-screen high-definition video displays. There are two large displays in the front of the room, one large display in the rear of the room, one medium-size display in the recording booth, and one desktop-size display at the lectern.
3. A presentation lectern with a touchscreen interface for managing all of the audio-visual capabilities of the space. The lectern has an installed Mac Pro computer (providing two display outputs), inputs for a guest-presenter's laptop computer, a Blu-Ray player, and various other support equipment such as an audio recording interface, a wireless keyboard and mouse, a wireless lavalier microphone, etc.
4. Capability for wireless screen sharing and audio sharing from mobile devices such as laptop computers (Windows and Mac OS), tablets, and smart phones (iOS and Android).

The wireless networking infrastructure supports the simultaneous use of many wireless devices in the space.

5. An installed ceiling microphone and an installed remote-controllable high-definition video camera for documentation recording and teleconferencing.
6. A recording booth with capability for up to eight channels of recording, either on the Mac Pro computer or on a user's laptop computer, in the booth or anywhere in the room.
7. Storage cabinets containing supporting music equipment such as a USB/MIDI keyboard and interface, microphones, cables, stands, etc.
8. Rollable and reconfigurable tables and chairs. One wall painted with dry-erase markable paint, and a rollable dry-erase whiteboard with music staves.

The lab is available for courses, lectures and other presentations, and collaborative creative projects that require the special capabilities the space provides. To reserve usage of the space, contact the Music Department office.

Quick Start Guide for Using AITR 190