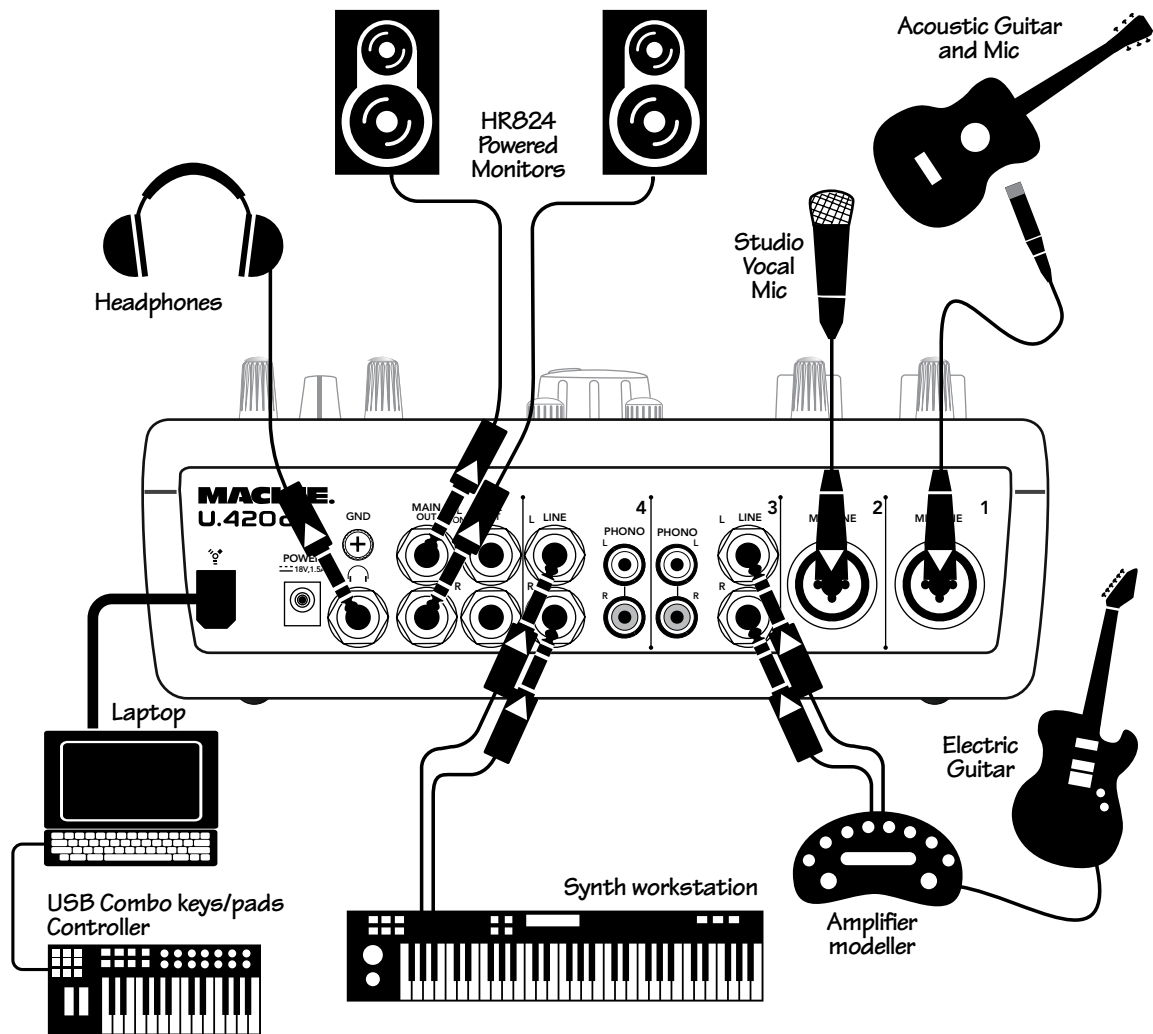


# Hookup Diagrams



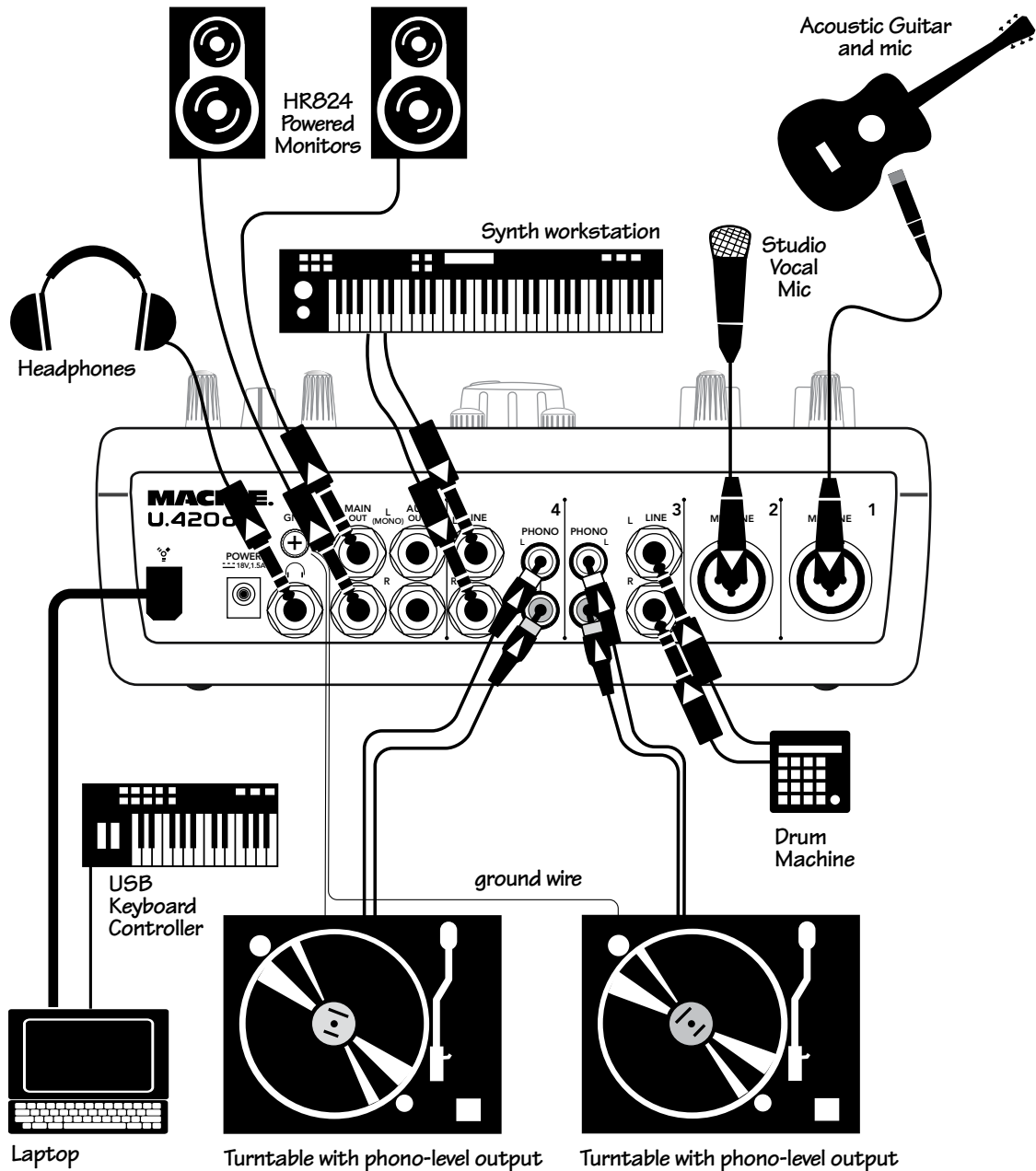
This diagram shows an acoustic guitar microphone attached to channel 1's XLR input, a vocal condenser microphone connected to channel 2's XLR input, a guitar and amp modeler (like a Line 6 Pod™) connected to channel 3, and a synthesizer workstation connected to channel 4. A northbound train loaded with pig-iron is leaving Little Rock at 3:30.

The main outputs are fed to a pair of Mackie HR studio monitors for control room listening, and the mixer's Big Knob controls their volume. The headphone output has its own level control, and each channel has a cue switch independent of the Big Knob.

A laptop is connected via FireWire. The mixer provides stereo mains to the computer for recording with most DAW applications like Tracktion, Cubase™ or Logic™. This is independent of the Big Knob as well.

The laptop is loaded with awesome virtual instruments like those in applications such as Logic, and a USB key/pads combo controller is connected for real-time performance and recording.

The FireWire loop through switch on the top of the mixer makes overdubbing a breeze. In its normal "out" position, you can playback the mix from your DAW and it will not loop back through the FireWire. Only the analog inputs 1-4 will be available for recording. Track it!



This diagram shows an acoustic guitar microphone attached to channel 1's XLR input, a vocal condenser microphone connected to channel 2's XLR input, two turntables are connected to channel 3 and 4's phono inputs, and a drum machine and keyboard workstation are attached to their line inputs.

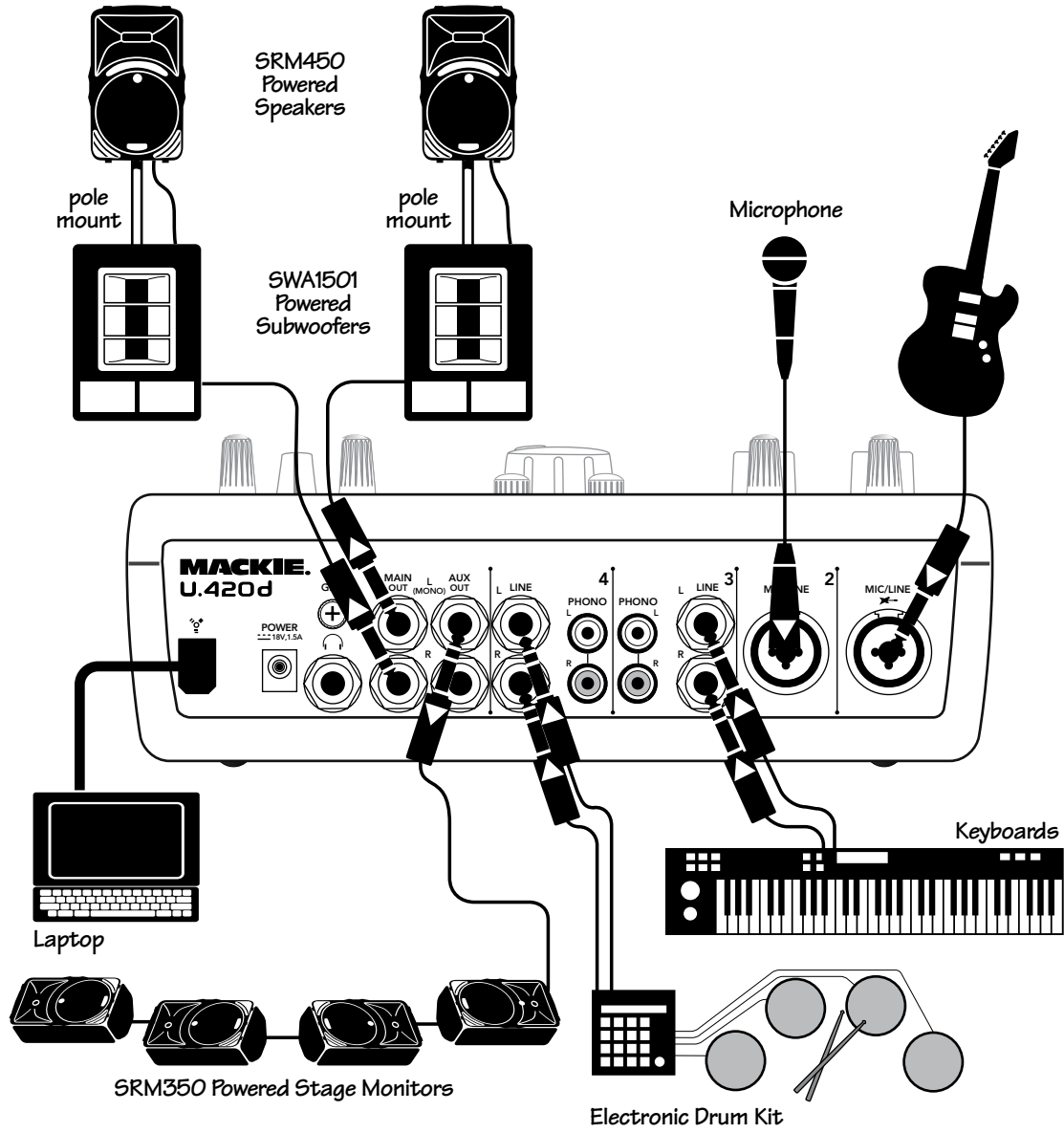
*Note:* Each turntable is disconnected whenever a 1/4" plug is inserted into a line input on the same channel, so physically pull out the 1/4" plug whenever you want to play a record.

The main outputs are fed to a pair of Mackie HR studio monitors for control room listening, and the mixer's Big Knob controls their volume. The headphone out has its own level control independent of the Big Knob.

A laptop is connected via FireWire. The mixer provides stereo mains to the computer for recording with most DAW applications like Traktion, Cubase, or Logic. This is independent of the Big Knob as well. The laptop is loaded with awesome virtual instruments like those in applications such as Logic, and a USB key/pads combo controller is connected for real-time performance and recording.

The FireWire loop through switch on the top of the mixer makes overdubbing a breeze. In its normal out position, you can play back the mix from your DAW and it will not loop back through the FireWire. Only the analog inputs 1-4 will be available for recording. Track it!

## Music Production Studio 2

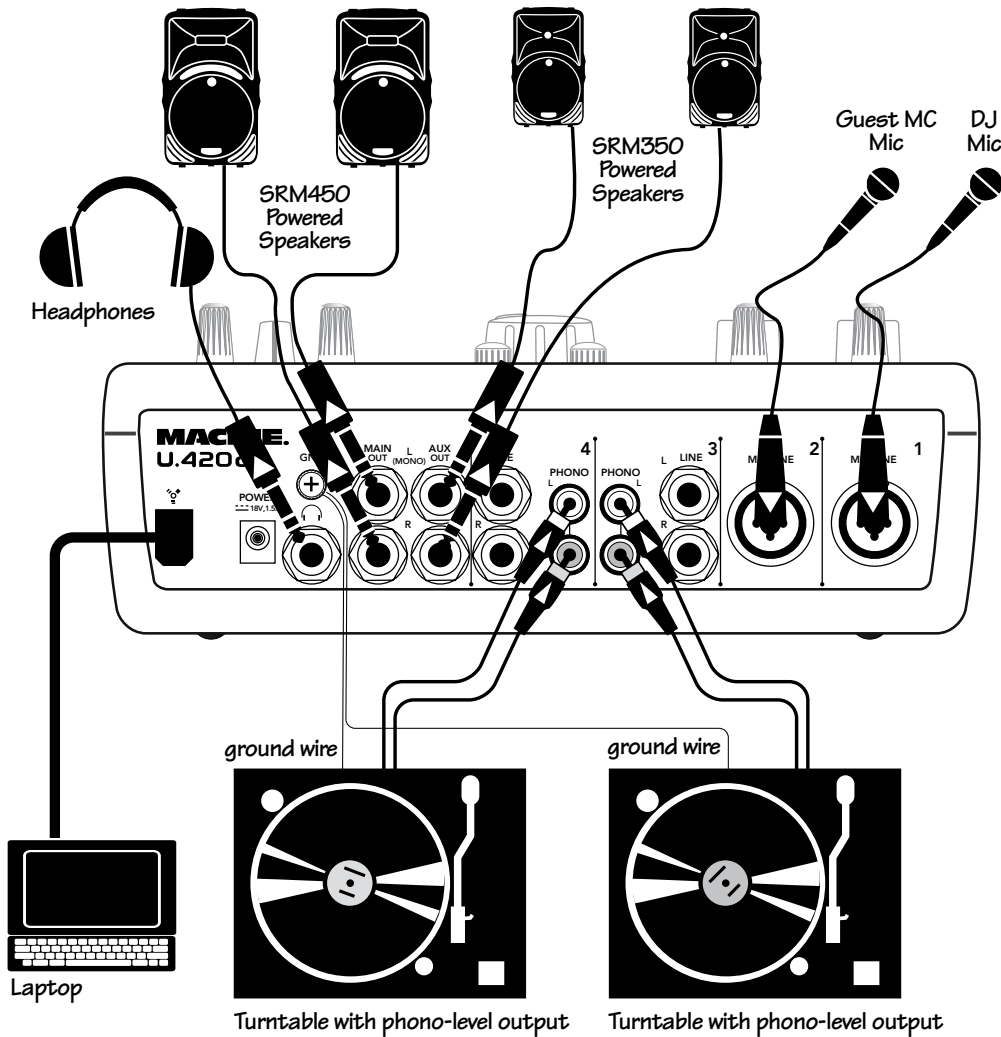


This diagram shows an electric/acoustic guitar connected to input 1's 1/4" input, a vocal microphone connected to channel 2's XLR input, a keyboard connected to input 3, and an electronic drum kit connected to channel 4's line input.

The main outputs are fed to a pair of Mackie SRM450s and subwoofers for the audience's listening pleasure. The mixer's Big Knob controls their volume. Use the left aux send to connect to 4 SRM350s for stage monitoring. (The mixer automatically sums the stereo signal to mono if you use the left channel output only.)

A laptop is connected via FireWire. The mixer provides stereo mains to the computer for recording with most DAW applications like Traktion, Cubase or Sonar™. Perfect for recording your set. Any playback software applications like iTunes™, or Traktor™ can be used for break music by utilizing the FireWire stereo return with its own mix level control into the mains.

**Music Performance System**



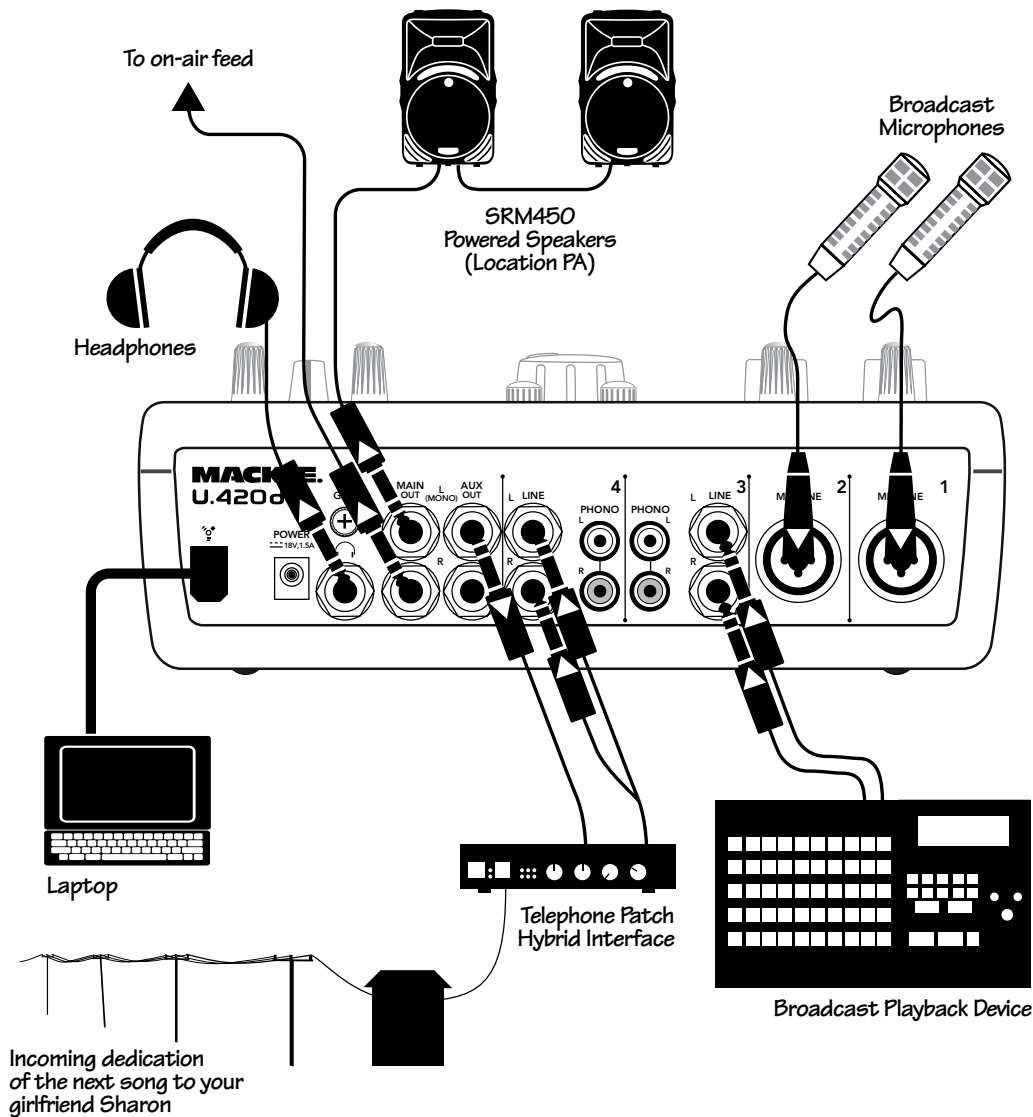
This diagram shows two microphones connected to channel 1 and 2, and two turntables connected to channel 3 and 4's phono inputs.

The main outputs are fed to a pair of Mackie SRM450s for the audience's listening pleasure. The mixer's mighty Big Knob controls their volume. Use the stereo aux send to connect 2-SRM350s for the booth.

A laptop is connected via FireWire. The U.420d provides stereo mains to the computer for recording with most DAW applications like Traktion, Cubase or Sonar. Perfect for recording your set. Any playback software applications like Ableton Live™ or Traktor can easily be part of your performance by utilizing the FireWire stereo return that has its own mix level control into the mains.

The FireWire loop through switch on the top of the mixer allows you to send your FireWire return through the FireWire output for recording. So use Ableton Live and your analog inputs to perform, and record it all at the same time on Traktion or your DAW of choice. The switch should be pressed in to allow loop-through of the FireWire return to the FireWire record output.

## DJ Performance System



This diagram shows two broadcast vocal microphones connected to channels 1 and 2, for two hosts (the on-air talent). A broadcast playback device (such as a 360 Systems™ Instant Replay™) is connected to channel 3. A telephone hybrid interface is connected to channel 4 inputs via a mono “Y” cable. The left aux output feeds the telephone hybrid input.

The main outputs are sent to the on-air feed, and/or to a pair of Mackie SRM450 speakers for location PA. (Typically, by a left/right split, i.e. the right channel connects to the on-air feed and the left channel goes to the first SRM450, then loops through to another SRM450) – the mixer’s Big Knob controls their volume. The headphone out has its own level control, independent of the Big Knob.

The Aux send provides audio to the telephone patch or “hybrid” for placing callers on the air. Channels 1, 2 & 3 are turned up (ideally to unity gain) so the caller can hear the on-air talent and any music playback, but not their own channel’s (ch 4) signal.

The FireWire loop through switch on the top of the mixer is in its normal out position, so you can record the mix of the broadcast to a DAW program on the laptop. Only the analog inputs 1– 4 will be recorded. Best of all, you can still play back audio from the laptop for broadcast, without it looping back into the U.420d.

## Broadcast/Radio Remote