



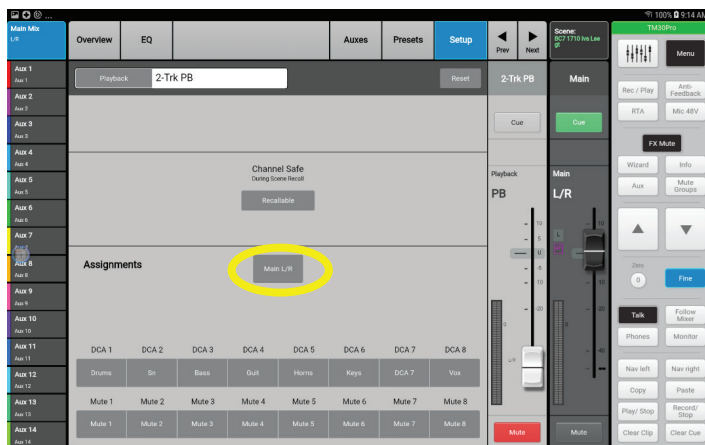
QSC TouchMix Series Technical Notes

TouchMix-30 Pro

TouchMix-30 Pro Control Room Monitoring

The QSC TouchMix-30 Pro digital mixer is a capable studio mixing console. In studio recording you will need to listen to various sources on control room monitors or headphones. These sources typically include:

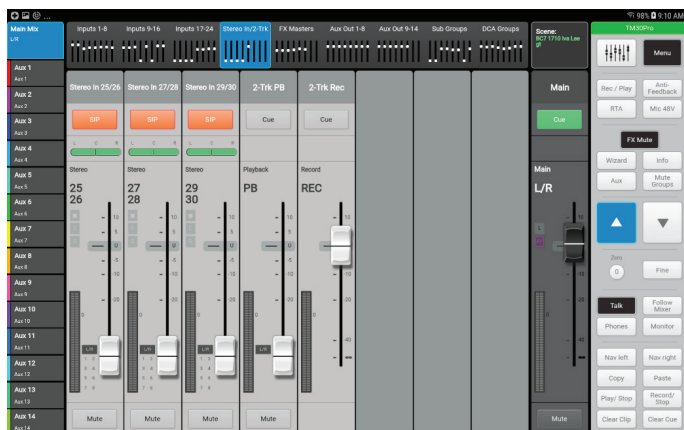
- Mixer inputs
- DAW tracks
- Mixer main outputs
- Mixer aux outputs



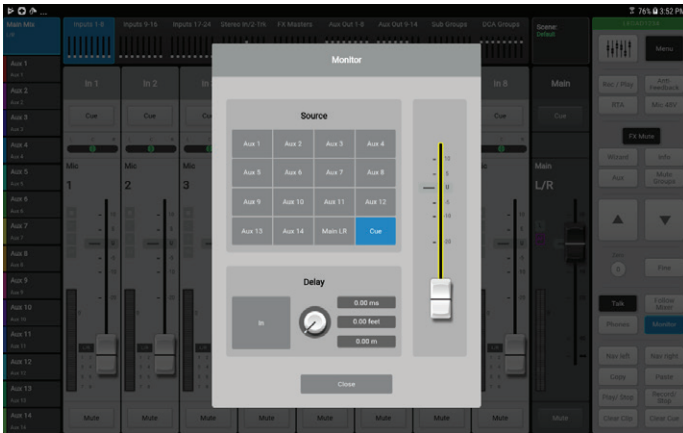
– Figure 1 –

Setup

1. Connect the mixer's **Monitor Left** and **Monitor Right** outputs to your control room monitoring system. (These will typically be either a pair of powered monitors, a stereo amplification system powering passive monitors, or a headphone system.)
2. On the mixer, go to the **2-Trk PB** (2-track playback) channel.
3. Select the **Setup** tab.
4. At **Assignments**, deselect **Main L/R** (see Figure 1). This will prevent a feedback loop through the mixer's main outputs to the DAW.
5. Route the stereo mix-down of your DAW to the mixer's digital inputs 31 and 32 (**2-Trk PB**).
6. Use the **2-Trk PB** channel to control the level of your stereo mix-down into the monitors and/or headphones (Figure 2).



– Figure 2 –



– Figure 3 –

The Monitor Panel

Use the Monitor panel to select the source and adjust the levels for the control room monitors.

1. Press the **Monitor** button on the mixer. The Monitor panel will open (Figure 3).
2. To adjust the monitor volume, touch the fader to select it and then drag it or use the encoder wheel.
3. Use the Source buttons to select the signal sent to the control room monitors. For most recording applications, use **Cue**.

NOTE: Studio monitoring functions seldom use delay, so leave it disengaged.

Cue and Solo in Place

Mixer users sometimes confuse “cue” and “solo in place” (or just “solo”). Here is a comparison:

Cue

- Selects the input or output signal that goes to the cue headphones and monitors.
- Cue does not affect audio to the main outputs or to the DAW record channels.
- You can cue multiple signals at the same time.
- On input channels you can set cue to pre-fader (PFL) or after-fader (AFL).

Solo in place

- Sometimes called “SIP” or “solo.”
- Solo in place mutes all the inputs except those that are selected for solo. Soloing one channel is essentially the same as individually muting every other channel.
- You can solo multiple channels at the same time.

DAW Recording and Monitoring

Use the mixer’s cue system to select what you hear in the control room monitors and cue headphones.

- To hear the overall mix, cue the mixer’s **Main L/R** outputs.
- You can listen in on any musician’s headphone monitor mix by selecting the cue button for that particular aux output.
- There are three ways to listen to a single channel:
 1. Turn off the **Main L/R** cue and cue the channel you want to listen to.
 2. Set the mixer cue mode to **Solo in Place**: press **Menu** and then under **Setup**, select **Mixer Setup**. **Solo in Place** is one of the **General Settings** buttons; select it and then touch **Proceed**. Cue the **Main L/R** outputs, and then solo the channel you want to listen to.
 3. When playing back multi-track audio from the DAW, cue the **Main L/R** outputs and then use the DAW’s solo function to select the channel and mute all the others. To hear the stereo mix-down played back from the DAW, cue the **2-Trk PB** channel.

To listen to the stereo output of your DAW, clear all the cues (the factory default function of **User Button 3** is to clear all cues). Then cue the **2-Trk PB** input.