

About the TouchMix-30™ Pro Auto Mixer

AUTOMATIC MICROPHONE MIXER (TOUCHMIX-30 PRO ONLY)



An Automatic Microphone Mixer (auto mixer) works by comparing the signal levels of the assigned channels and applying an algorithm that determines which talker (or talkers) is (are) currently speaking. The auto mixer then sends a control command to the channels that allocates more gain to the channels with an active talker and less to the channels with an inactive talker. As a result, feedback and extraneous noise (such as paper rustling from panelists or HVAC) are reduced. The auto mixer simply rides gain on the assigned channels. It does not have any effect on signal routing. The auto mixer will affect any Aux mixes that are assigned post-fader but will not affect pre-fader Aux sends.

Auto mixers are most commonly used for speech applications such as conferences, presentations or panel discussions in which there are multiple talkers and multiple microphones. They also may be used in theatrical sound reinforcement. Auto mixers are not intended to mix entire bands although they have been used successfully on horn sections and backing vocal ensembles.

The TouchMix-30 Automatic Microphone Mixer (auto mixer) is a gain-sharing design that is available for all 24 Mic/Line input channels. There are two independent auto mixers.

