

AX81

8 Channel Automatic Mixer



Features

- ▶ Seamless automatic mixing through dynamic channel gating and attenuation
- ▶ Adaptable, quick-acting technology automatically makes active microphones a priority
- ▶ Simply and effectively combat poor audio caused by multiple open mics
- ▶ 8 balanced Euroblock mic/line inputs, each with a TRS insert connector
- ▶ Balanced 3-pin Euroblock master output
- ▶ Selectable +48V phantom power on each input channel
- ▶ Balanced mono master output through 3-pin Euroblock connector
- ▶ Master output 3-mode peak limiter (+16 dbm / +8 dbm / +4 dbm)
- ▶ Individual gain control knobs on each channel
- ▶ Last input source lock-on
- ▶ On-board HPF (high pass filter) and LPF (low pass filter)
- ▶ 1/4" headphone output with level control
- ▶ 1/4" AUX input with level control
- ▶ Perfect for meetings and conferences
- ▶ Fast acting digital circuitry

Description

Phonic's AX81 Digital Automatic Mixer combines intuitive operation with state-of-art signal processing technology to create a completely unique system that helps deal with poor audio that is due to having too many open mics. The 8 Euroblock mic/line inputs connectors all offer selectable +48V phantom power for condenser microphones and are paired with 1/4" TRS insert jacks that directly route incoming signal to external sound processing devices (and back again). All channels are equipped with front-panel low- and high-pass filter control.

The AX81 auto mixer's adaptive threshold distinguishes fluctuating audio signals from background noise and continuously adjusts the audio signal to be louder than background noise. Furthermore, when several channels "receive" one particular signal source, AX81 can be set to control the number of channels that activate when triggered by one signal source through which the best input quality is guaranteed for every input channel. The last input source lock-on feature keeps the most recently used channel activate to get a natural uninterrupted signal flow. The AX81 also offers up a 1/4" headphone output jack, an AUX input jack (both are with level control knob), and LED indicators, offering intuitive control that caters a wide-range of system setups.

Dimensions



Specifications

	AX81
Input Connections	8 x Balanced Euroblock
Output Connections	1 x Euroblock, 8 x 1/4" TRS (insert/direct output)
Front Panel Indicators	8 x Input/Peak, 1 x Master Output/Peak, 1 x Power, 1 x Limiter
Hum and Noise	<-120dB
Frequency Response	50Hz to 20KHz +/-2dB;-3dB corner at 25Hz
Input Impedance	MIC: 3.2K , LINE: 14K , AUX: 7.5K
Input Clipping Level	MIC: -11.8dBV , LINE:+23dBV , AUX:+23dBV
Output Impedance	LINE Output :60Ω , Phone Output :110Ω
Output Clipping Level	LINE Output :+21dBV , Phone Output :+21dBV
Total Harmonic Distortion	<0.1% at +18dB output level, 50Hz to 20 KHz
Processor	40-bit floating point
Input A/D Conversion	24-bit
Output D/A Conversion	24-bit
Output Limiter	Type: Peak Threshold Switchable: off, +4, +8, +16 (dBm at output) Attack Time: 2 ms Recovery Time: 300 ms Indicator: Lights red when limiting occurs
Sample Rates	48 kHz
DIP Switches	Auto/manual, Last-mic, hold time, off-att, limiter threshold, 48V phantom power
Equalization	Low-frequency: 6 dB/octave cut, adjustable corner from 28 to 315 Hz; High-frequency: +/-6 dB at 5 kHz, +/-8 dB at 10 kHz, shelving
Auto-mixing	Input level, output level, NOM attenuation max.
Phantom Power	+48V DC
Power & Physical	
Power Supply	120VAC/240VAC switching power supply, 15A Edison cable
Dimensions	483 x 295 x 45 mm (19" x 37.4" x 1.77")
Weight	3.2kg (7.1 lbs)