

IED MODEL 4400/4800 SERIES AUTOMATIC MIXERS

The IED Model 4400 and 4800 Series Automatic Mixers represent the latest in truly Automatic Mixer technology. While incorporating the innovative features of the popular IED 4000 Series Automatic Mixers, the newer IED 4400/4800 Series Automatic Mixers have incorporated features that enhance their adaptability to new installations as well as existing markets.



FEATURES:

- Proprietary Discriminator Circuit
- Digital Attenuator Control for a number of open microphones
- Priority
- Filibuster
- Last Mic ON
- Onput
- Auto/Manual Switch
- Combine Switch
- 15 VDC Phantom Power
- Line Voltage - 120 VAC
- Simple to set up and operate
- Provides full functionality of larger systems in one single 19" rack space.

OPTIONS:

- 3 Band EQ
- Aux Input Remote Control
- 48 VDC Phantom Power
- Line Voltage - 240 VAC
- IED Process Modules on any Input or Output
- 120P - Programmable Gain Control
- 110V - Voltage Controlled Amplifier
- 110C -Compressor

The Model 4400 Mixer provides 4 gated microphone or line level inputs, 1 auxiliary line level input, a main and auxiliary line level output, direct outputs for each gated input and a single rear panel multipin connector that provides connections for all of the remote control functions of the mixer.

The Model 4800 Mixer provides 8 gated microphone or line level inputs, 2 auxiliary line level inputs, 2 main and aux line level outputs, direct outputs for each gated input and 2 multipin rear panel connectors providing connections for all of the remote control functions of the mixer.

ELECTRICAL SPECIFICATIONS

Number of Inputs

4400 5 inputs, 4 gated, 1 non-gated
4800 10 inputs, 8 gated, 2 non-gated

Gated Input Gain 0 dB, 26 dB or 46 dB
Jumper selectable

Input Impedance (Zin)

Gated Inputs 13 k Ω
Auxiliary Input 200 k Ω

Input Source Impedance (Zs)

Gated Inputs Any, 0 - 10 k Ω preferred
Auxiliary Input < 10 k Ω

Input Overload

Gated Inputs

Input Gain = +46 dB -28 dBu
Input Gain = +26 dB -8 dBu
Input Gain = 0 dB +18 dBu

Auxiliary Input +18 dBu

Maximum Output Level

Main Output +24 dBu
Auxiliary Output +18 dBu
Direct Output +18 dBu

Output Impedance

Main Output <1 Ω
Auxiliary Output <1 k Ω
Direct Output <1 k Ω

Output Load Impedance, all outputs \geq 600 Ω

Frequency Response, 20Hz - 20 kHz

Gated Inputs to Main, Direct, or Auxiliary Output, no EQ +0, -0.1 dB
Gated Inputs to Main, Direct or Auxiliary Output, EQ flat +0, -1.5 dB
Aux Input to Main or Auxiliary Output +0, -0.1 dB

Total Harmonic Distortion (THD)

All input and output options except 110C, 20 Hz - 20 kHz < 0.06%
110C, 2 kHz - 20 kHz < 0.06%

Intermodulation Distortion (IM), 60 Hz/7 kHz < 0.06%

Noise Referred to the Input (NRI) -127 dB

All input and output options, +50 dBu in, -4 dB out, Zs =50 Ω , 20 Hz - 20 kHz filter

Signal to Noise Ratio (S/N)

No options, +4 dBu in, +4 dB out, Zs = 50k Ω , 20 Hz - 20 kHz filter <-85 dB
Input gated off, 20 Hz - 20 kHz filter <-91 dB

Feedback Prevention (Main Output) 3 dB

For each doubling of the number of gated inputs

Gated Input Attack Time 25 μ Sec - 25 mSec
(1/2 wave, 20 Hz - 20 kHz after signal exceeds threshold)

Gated Input Release Time 0.5 - 8 Sec
Trimpot adjustable per channel

EQ \pm 12 dB adjustment at 200 Hz, 1 kHz, 4 kHz

High Pass Filter -3 dB at 150 Hz, 6 dB/octave slope

*Innovative Electronic Designs, Inc. • 9701 Taylorsville Road • Louisville, Kentucky 40299 • USA
Phone: (502) 267-7436 • Fax: (502) 267-9070 • Internet: <http://www.iedaudio.com>*