

SPECIFICATIONS



AUTOMIX™ 8 Channel, Automatic Mixer

SPECIFICATIONS

Nominal Out = +2 dBu (1 volt)

PREAMP

EIN:

-122 dBu (terminated 150 ohms)

Preamp Gain Range:

25 dB to 55 dB

Input Impedance: (MIC and LINE)

2,000 ohms (transformer balanced)

Phantom Power:

+12 Volts at Mic \pm terminals

Input Sensitivity:

-65 dBu

Priority (Channels 1 & 2):

0 dB to 9 dB

Low Cut Filter:

-3 dB at 75 Hz (6 dB per octave)

Common Mode (Rejection Ratio):

-85 dB

GENERAL

Output Impedance (transformer balanced):

600 ohms (nominal)

Distortion:

< 0.1 % at nominal

Frequency Response:

20 Hz to 20 kHz, +1/-2 dB at nominal

Maximum Output Level:

+20 dBu (Hi-Z load)
+16 dBm (600 ohm load)

Remote Volume Range:

0 dB to 70 dB of attenuation

Off Channel Attenuation:

0 dB to -70 dB

Mute:

Channel is attenuated 45 dB when mute to ground connection is made.

MuteBus:

Multiple channels can be attenuated 45 dB when mutebus to ground connection is made.

Status Output:

Status is low (0 V) when channel is active. It is high (3.8 V) when channel is not active.

Power Consumption:

AC 120 volts, 60 Hz - Domestic
AC 230 volts, 50/60 Hz - Export
15 watts

Weight:

10.8 lbs

Dimensions:

3-1/2" H x 17" W x 10-1/8" D

FEATURES

Channel Features:

- Switchable low cut filter (-3 dB at 75 Hz)
- Switchable phantom power (12 V)
- Switchable manual or automatic operation
- Switchable mutebus (all attached channels can be muted externally)
- Transformer balanced mic and line inputs
- Adjustable priority (Channels 1 & 2)
- Signal processor loop (Channels 1 & 2)
- External muting capability
- Direct outputs
- Activity logic output (status)



General Features:

- Three sweepable notch filters
- Downward expander
- Transformer balanced output
- Easily linked to created 16, 24, 32... channel mixer
- Remote volume capability
- Plexiglass security panel
- Rack-mount or stand alone package (rack brackets are optional)

DESCRIPTION

The Architectural Acoustics Automix™ is a high quality automatic mixer with eight transformer balanced, mic/line inputs. Each mic/line preamp provides a gain control, phantom power (mic inputs), low cut filter, activity/clipping LED, and a choice between manual or automatic operation. Each channel can be muted externally or multiple channels can be muted externally via an assignable mutebus. In addition, channels one and two provide adjustable priority and a signal processor loop. The master section

provides a gain trim control, three sweepable notch filters, a downward expander, a transformer balanced output, and a remote volume port.

The Automix has been designed so that multiple units can easily be linked together to form a single mixer with many more inputs (16, 24, 32...). The Automix is supplied with a plexiglass security panel to prevent changes to the installer's settings. The Automix is packaged as a stand-alone unit, but will also rack-mount into a standard 19" rack with optional rack-mount kit.

ARCHITECTURAL & ENGINEERING SPECIFICATIONS

The automatic microphone mixer shall have eight transformer balanced microphone/line inputs. Each channel shall have its own gain and level control, as well as switchable controls for manual/automatic operation, low-cut filter, phantom power, and mutebus. Each channel shall have external

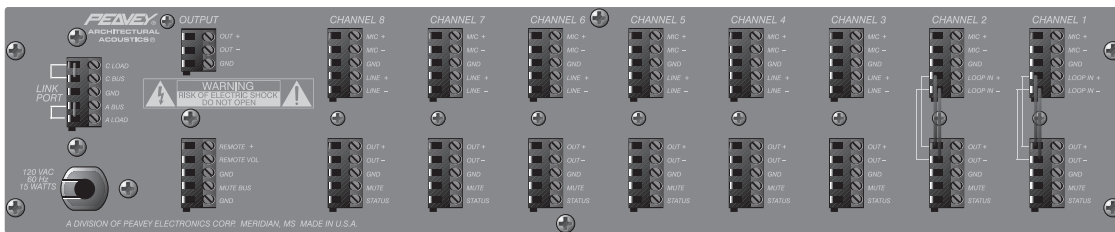
muting capability, activity/clipping LED and a status (logic) output.

Channels 1 and 2 shall have a signal processor loop and priority controls. The master section shall have its own level controls, as well as controls for the notch filter and the downward expander.

External muting, remote volume, and the linking of multiple units shall be accomplished through barrier strip connections on the back of the unit.

The mixer shall have a frequency response of 20 Hz to 20 kHz +1/-2 dB. It shall have an EIN of -122 dBu and the total harmonic distortion shall be less than 0.1% at 1 kHz. The maximum output level shall be +20 dBu (High-Z load) or +16 dBm (600 ohm load).

The unit shall be packaged in a rugged metal chassis 17" wide by 3.5" high by 10.2" deep. The unit shall operate from 120 V AC, 60 Hz, domestic; and from 230 V AC, 50/60 Hz, export. The unit shall be a Peavey Architectural Acoustics Division model Automix™.



LIMITED WARRANTY

Peavey Electronics Corporation warrants to the original purchaser of this new Architectural Acoustics product that it is free from defects in material and workmanship. If within one (1) year from date of purchase a properly installed product proves to be defective and Peavey is notified, Peavey will repair or replace it at no charge. (Note: Batteries and patch cords not covered.) "Original purchaser" means the customer for whom the product is originally installed.

Damage resulting from improper installation, interconnection of a unit or system of another manufacturer, accident or unreasonable use, neglect or any other cause not arising from defects in material and workmanship is not covered by this warranty. The warranty is valid only as to products purchased and installed in the United States and Canada.

THIS LIMITED WARRANTY IS IN LIEU OF ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. UNDER NO CIRCUMSTANCES WILL PEAVEY BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS, INCIDENTAL DAMAGES OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. THIS LIMITED WARRANTY IS THE ONLY EXPRESSED WARRANTY ON THIS PRODUCT, AND NO OTHER STATEMENT, REPRESENTATION, WARRANTY, OR AGREEMENT BY ANY PERSON SHALL BE VALID OR BINDING UPON PEAVEY.

Peavey's liability to the original purchaser for damages for any cause whatsoever and regardless of the form of action is limited to the actual damages up to the greater of Five Hundred Dollars (\$500) or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. For information on service under this warranty, call a Peavey customer service representative at (601) 483-5376.



Features and specifications subject to change without notice.

A Division of Peavey Electronics Corporation
711 A Street / Meridian, MS 39301 / U.S.A. / (601) 483-5376 / Fax (601) 486-1278
#80304239



Printed U.S.A. 9/95