



PEAVEY[®]
ARCHITECTURAL ACOUSTICS[®]

PZS™ 80

5 Channel 4 Zone Mixing System

SPECIFICATIONS

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POWER OUTPUT

20 W RMS per channel @ less than 0.5% THD (all four channels operating)

POWER BANDWIDTH:

40 Hz to 20 kHz, 0.5% THD

OUTPUTS:

Speaker: 2 ohms, 8 ohms, 25 V & 70 V (balanced)
Line: 600 ohms, 1 V RMS (0 dBV, balanced)

CHANNEL 1 & 2 INPUTS:

Mic: 4K ohms, 3 mV (balanced)
Line: 40K ohms, 30 mV (balanced)
XLR Mic: 4K ohms, 3 mV (balanced)

CHANNELS 3 - 5 INPUTS:

Mic: 4K ohms, 3 mV (balanced)
Line: 40K ohms, 30 mV (balanced)
RCA: 40K ohms, 30 mV (unbalanced)

PATCHES:

Send: 2K ohms, 1 V RMS (0 dBV, unbalanced)
Return: 33K ohms, 1 V RMS (unbalanced)

FREQUENCY RESPONSE:

50 Hz to 15 kHz, ±2 dB (transformer)

SIGNAL TO NOISE RATIO:

Residual: 80 dB below rated power
Line Inputs: 75 dB below rated power, 2K ohms
Mic Inputs: 70 dB below rated power, 200 ohms (all tone & level controls centered)

TONE CONTROLS:

Low EQ: ±15 dB @ 100 Hz
High EQ: ±15 dB @ 5 kHz

CONTROLS:

Channels 1 & 2:
Level, low EQ, high EQ, four assign switches, unmuting trigger level and reset time
Channels 3 - 5:
Level, low EQ, high EQ, four assign switches
Masters 1 - 4:
Level

INDICATORS:

Power: LED
Level: Active & Clipping LED's each master
Trigger: Active LED channels 1 & 2

POWER SUPPLY:

Internal, 120 V AC @ 60 Hz, 200 watts
Back panel accessory socket, 300 watts

OTHER FEATURES:

Mic muting functions on channels 1 & 2
Music ducking functions on channels 3 - 5

DIMENSIONS & WEIGHT:

5 ¼" (H) x 17" (W) x 7" (D)
29 pounds

FEATURES

- Five input channels
- Four zones
- 20 watts output per zone
- Two XLR low-Z mic inputs (balanced)
- Three dual RCA high-Z line inputs (paralleled)
- Input terminal strip for each channel
- Channel level control
- Low and high active EQ each channel
- Four zone assignment switches each channel
- Front panel adjustable trigger and paging release with active LED indicator on channels one and two
- Four master output level controls with active and clipping LED indicators
- Preamp output/power amp input terminal strip for each zone

- Each zone output is transformer isolated providing 2 & 8 ohm, 25 & 70 volt outputs
- Each zone has 600 ohm line level balanced output
- 120V AC accessory socket
- 19" standard rack-mount package with optional rack-mount flange kit
- Three vertical rack spaces high
- Externally accessible mains fuse
- 18 gauge steel chassis

DESCRIPTION:

The Peavey Architectural Acoustics PZS™ 80 is a 5-channel mixing system with assignment capability to four independent powered zones. Each channel offers low and high frequency equalization, channel level control, and zone assignment switching. Channels one and two offer low-Z (XLR) and terminal strip type microphone inputs for paging capability with channels three through five offering dual (paralleled) RCA jacks and terminal strip type line inputs for use with various music sources. Additionally channels one and two have recessed screw driver controls for trigger level and reset time, and an LED active indicator. Each zone has

a master level control, active and clipping LED indicators, and terminal strip connections for preamp out/power amp in and balanced line output. Each zone power amp is rated at 20 W RMS and is transformer isolated providing 2 and 8 ohm, 25 and 70 volt outputs.

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The mixer amplifier shall have five input channels each with assignment capability to four independent powered zones. Each channel shall contain low and high frequency equalization, a level control, and zone assignment switches. Channels 1 and 2 shall be expressly configured for paging with balanced low Z XLR and terminal strip type inputs. These channels shall also have front panel recessed screw driver controls for trigger level and reset time, plus an active LED. All these features are used in conjunction with a unique mic muting and background music ducking circuitry.

Channels 3 through 5 shall be expressly configured for use as background music feeds with dual

(paralleled) RCA jacks and terminal strip type inputs. Each zone shall have a master level control, active and clipping LED indicators, and terminal strip type connections for preamp output/power amp input and balanced line output. Each zone power amplifier shall be rated at 20 W RMS continuous and shall be transformer isolated providing 2 and 8 ohm, and 25 and 70 volt outputs.

The unit shall be packaged in a rugged metal chassis 5 1/4" high, 17" wide, and 7" deep, and shall weigh 12 pounds. The unit shall be easily configured for direct mounting in a standard 19" rack requiring 3 rack spaces and shall have an optional security cover. The unit shall operate from 120 V AC 60 Hz power, and consume no more than 200 watts. The unit shall meet or exceed all the published specifications. The unit shall be a Peavey Architectural Acoustics Division model PZS 80.

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.

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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.

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711 A Street / Meridian, MS 39301 / U.S.A. / (601) 483-5376 / Fax 486-1278

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