

ZonePro™ 1260/1261

Digital Zone Processors

dbx[®]
PROFESSIONAL PRODUCTS



VISIONARY DESIGN

The ZonePro™ products have been created to provide state-of-the-art signal processing for for commercial audio applications, while maintaining a simple, secure and intuitive interface. From the powerful DSP modules to the multiple control interfaces, the ZonePro products provide all the processing and control necessary for these installations. Additionally, the GUI interface and Wizard function allows any contractor to quickly set up and optimize the unit to its full potential by streamlining the configuration process with a simple step-by-step procedure.

REVOLUTIONARY ENGINEERING

The ZonePro products are based on the same unparalleled design philosophy that made the DriveRack family famous. This philosophy, "To provide everything you need between the sources and the amplifiers," creates a full featured processor capable of almost any BGM or commercial application. Each input channel provides EQ, while the mic/line inputs also offer two DSP insert blocks with a selection of Compression, Notch Filtering, Auto Gain Control, Advanced Feedback Suppression (AFS™), Gating, and De-Essing. Each output zone provides a routing matrix where each of the inputs can be selected as the main source or priority source. Paging can be done from the mic/line inputs; both paging and priority override offer full Ducking capability. Each output also provides Autowarmth®, full Bandpass and Crossover filtering, Parametric EQ, a selectable Dynamics module and output Delay. For more information please visit www.dbxpro.com.

FEATURES

- **Advanced Feedback Suppression (AFS™)**
- **Autowarmth®**
- **Auto Gain Control**
- **Compression**
- **Limiting**
- **Noise Gating**
- **Notch Filtering**
- **Bandpass and Crossover Filters**
- **Parametric EQ**
- **Security Lockout**
- **Wall Panel Control**
- **RS-232 and Ethernet Control**
- **IEC, UL, and CSA Certified**

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H A Harman International Company

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SPECIFICATIONS

Analog Inputs:
 Number of Inputs: 12 Total (2) Switchable mic or line, (8) RCA, and (1) S/PDIF
 Connectors: Euroblock (Line and Mic) RCA (Source)
 Type: > 50kΩ Balanced, >25kΩ Unbalanced, RF Filtered
 Impedance (Euroblock): >25kΩ Unbalanced, RF Filtered
 Impedance (RCA): +20dBu Mic/Line, +12dBu RCA
 Max input line level: > 40dB, typically >55dB @ 1kHz
 CMRR: 30 to 60dB
 Mic Pre gain: > 118dB, 22Hz-22kHz, 150Ω Source Impedance
 Mic EIN: 15V
 Mic Phantom Power: 15V

Analog Outputs:
 Number of Outputs: 6
 Connectors: Euroblock
 Type: Electronically balanced, RF filtered
 Impedance: 120 Ω balanced, 60Ω unbalanced
 Max Output Level: +20dBu

A/D Performance:
 Type: dbx Type IV™ conversion system
 Dynamic Range line: >113 dB A-weighted, >110 dB unweighted
 Type IV dynamic range: >119 dB, A-weighted, 22kHz BW>117 dB, unweighted, 22kHz BW

Sample Rate: 48kHz

D/A Performance:
 Dynamic Range: 112 dB A-weighted, 109dB unweighted

System Performance:
 Dynamic Range: >110 dB A-weighted, >107dB unweighted,
 THD+N: 0.003% typical at +4dBu, 1kHz, 0dB gain
 Frequency Response: 20Hz - 20kHz, +/- 0.5dB
 Interchannel Crosstalk: >80dB typical
 Crosstalk input to output: >80dB
 Propagation Delay: 0.6 msec
 Operating voltage: 100-240 VAC, 50/60Hz
 Power Requirements: 27 Watts

Physical:
 Weight: 6.8 lbs. (3.1 kg) Shipping weight 8.8 lbs. (4.0 kg)
 Dimensions: 1.75" H x 5.75" D x 19" W

Safety Agency Certifications:
 UL 60065, IEC 60065, E 60065, EN 55013

dbx engineers are constantly working to improve the quality of our products. Specifications are, therefore subject to change without notice.

Architects' and Engineers' Specifications:

The device shall provide two balanced inputs that are selectable as line or mic level with phantom power; additionally there shall be eight mono-summing RCA line inputs, and one S/PDIF input. The line inputs and output gains shall be controllable via software; the mic inputs shall be adjustable from the rear panel. Audio inputs and outputs shall be accessible via rear panel RCA and Euroblock connectors.

The signal processing Graphic User Interface (GUI) software shall be user programmable using Windows®, 2000, and XP operating systems. Software control shall be via RS-232 and Ethernet protocols and the DB-9 and RJ-45 connectors shall be located on the rear panel. The GUI shall provide display, configuration and control of all signal processing functions including, but not limited to: • Input Gain • Highpass Filtering • Parametric Equalization • Compression • Limiting • Gating • Automatic Gain Control • Ducking • De-Essing • AutoWarmth® • Advanced Feedback Suppression (AFS™) • Notch Filters • Signal Routing • Bandpass Filtering • Delay • Polarity

Front panel controls shall include output zone volume, source select, and muting for each zone and dynamic page selection for both page inputs (1260 only). A PC DB-9 connector shall also be located on the front panel (1261 only). The front panel shall also include output level meters with a 6-segment LED meter and output dynamics threshold LED (1260 only).

External control shall include scene selection, output level control and muting, and shall be via industry-standard CAT5 cable with RJ45 connectors. All program memory shall be non-volatile providing program security should power or computer fail.

Audio conversion shall be 24-bit 48 kHz. The dynamic range of the processor shall not be lower than 110 dB A-weighted.

The device shall have an IEC power socket. The unit shall meet UL/CSA and CE safety requirements. The unit shall be constructed of cold-rolled steel with a brushed and anodized aluminum front panel, and mount into a standard 19" 1U EIA rack. The device shall be a dbx ZonePro 1260 or 1261.

FOR MORE INFORMATION CONTACT:

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The Professional's Choice In Signal Processing™