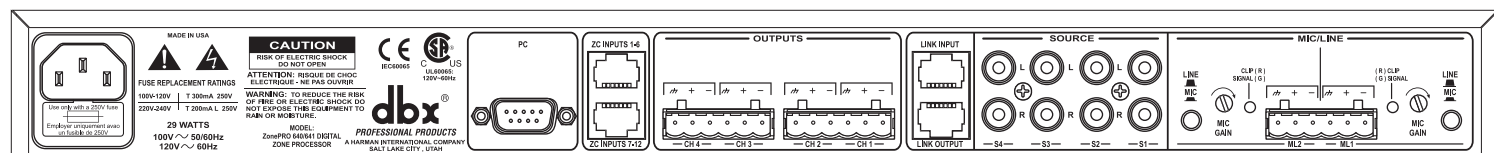
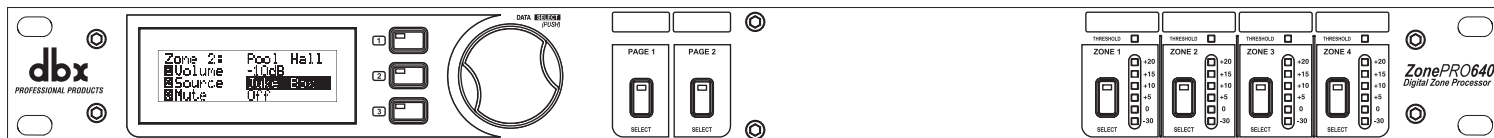


dbx ZonePRO™ 640



OVERVIEW:

The ZonePRO 640 offers fixed I/O, pre-configured architecture, configurable insert processing and optional duplication of audio channels to another ZonePRO device via a link bus.

The 640 features a total of six inputs and four outputs. Inputs include two balanced mic/line switchable terminal block inputs and four mono-summed pairs of unbalanced RCA inputs. Hardware-controlled microphone gain allows adjustment of microphone gain per channel.

The 640 device has a pre-configured architecture with input processing, a central matrix and output processing. Two input insert positions and one output insert position allow channel-specific insert processing to be configured. AutoWarmth®, a psychoacoustic function that maintains full frequency bandwidth even when the signal level has dropped, is permanently available on each output zone.

A link bus allows duplication of the first six audio channels to another ZonePRO device in applications where additional output zones are required.

The front panel of the 640 features comprehensive signal metering, an informative LCD display and user-specified front panel control.

Additional system control is offered in the form of optional Zone Controllers. This collection of hardware wall-controllers represents a series of simple, elegant user interfaces for functions such as volume, source and preset control.

All ZonePRO devices can be controlled by third party control systems via RS-232 or Ethernet as applicable (see table for further information).

ZonePRO Designer—the configuration, control and monitoring software for the ZonePRO family of devices—offers control of the ZonePRO 640 via RS-232. The Configuration Wizard within ZonePRO Designer guides users through the step-by-step configuration process of the 640.

KEY FEATURES:

- 6 Inputs / 4 Outputs
 - 2 Balanced Mic/Line Inputs
 - 4 Unbalanced, Mono-Summed RCA Input Pairs
- Microphone Gain per Channel
- Pre-Configured Architecture
- Two Configurable Input Insert Positions
- One Configurable Output Insert Position
- AutoWarmth® per Output Zone
- Link Bus
- Comprehensive Signal Metering
- Front Panel LCD
- User-Specified Front Panel Control
- Optional ZC Controllers
- Serial Control
- Third Party Control
- Wizard-Driven Configuration



ZonePRO™ 640

TECHNICAL SPECIFICATIONS:

Front Panel LED Indicators:

Per Output: 4 Independent Six-Segment Lightpipe Output Meters that range from -30 to +20 dBu, Threshold Meters
 Other: LCD Display provides information about Source Selection, Page Steering, Zone Volume and Mute

Analog Inputs:

6 Total (2) Switchable Mic or Line, (4) Unbalanced, Mono-Summed RCA Input Pairs
 Type: Euroblock (Mic/Line), RCA (Source)
 Impedance (Euroblock): >50kΩ Balanced, >25kΩ Unbalanced, RF Filtered
 Impedance (RCA): >25kΩ Unbalanced, RF Filtered
 Max. Input Line Level: +20dBu Mic/Line, +12dBu RCA
 CMRR: >40dB, typically >55dB @ 1kHz
 Mic Pre Gain: 30 to 60dB
 Mic Input Noise (E.I.N.): <-118dBu, 22Hz-22kHz, 150Ω Source Impedance
 Mic Phantom Power: +15VDC

Analog Outputs:

4 Total
 Type: Electronically Balanced, RF Filtered Euroblock
 Impedance: 120Ω Balanced, 60Ω Unbalanced
 Max. Output Level: +20dBu

A/D Performance:

Type: dbx Type IV™ Conversion System
 Dynamic Range Line: >113dB A-weighted, >110dB unweighted
 Type IV Dynamic Range: >119dB A-weighted, 22kHz BW: >117dB, unweighted, 22kHz BW
 Sample Rate: 48kHz

D/A Performance:

Dynamic Range: 112dB A-weighted, 109dB unweighted, 22kHz BW

System Performance:

Dynamic Range: >109dB A-weighted, >106dB unweighted, 22kHz BW
 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 VAC, 50/60Hz, 120 VAC, 60Hz, 230VAC 50/60Hz
 Power Requirements: 29 Watts
 BTU Rating: <92.13 BTU

Physical Dimensions:

Weight: 6.8 lbs / 3.1 kg Shipping Weight 8.8 lbs / 4 kg
 Dimensions (H(U) x W x D): 1.75" (1U) x 19" x 7.75" (45mm x 483mm x 197mm)
 Safety Agency Certifications: UL 60065, IEC 60065, E 60065, EN 55013

	Inputs	Outputs	Front Panel Control	Mic Preamps	S/PDIF	Ethernet	Mix Functionality	ANC*
1260m	12	6	✓	6	✓	✓	✓	✓
1260	12	6	✓	2	✓	✓	✓	
1261m	12	6		6	✓	✓	✓	✓
1261	12	6		2	✓	✓	✓	
640m	6	4	✓	4		✓	✓	✓
640	6	4	✓	2				
641m	6	4		4		✓	✓	✓
641	6	4		2				

*Ambient Noise Compensation