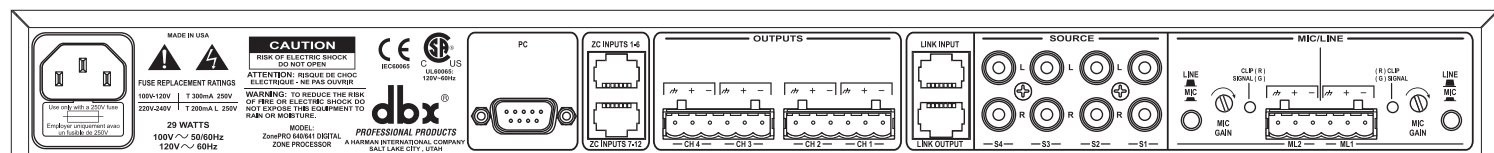
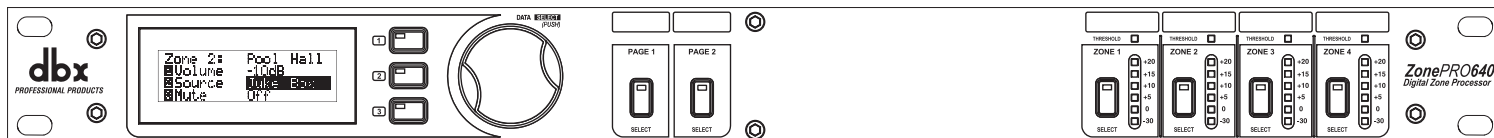


# dbx ZonePRO™ 640



### 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