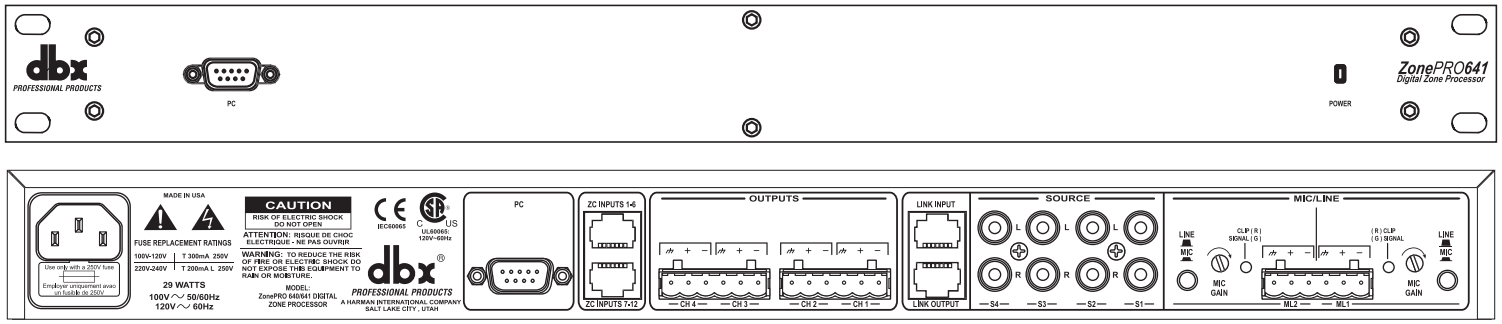
dbx ZonePRO™ 641



OVERVIEW:

The ZonePRO 641 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 641 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 641 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 641 features a power status LED, a network traffic LED, and an RS-232 control port.

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 641 via RS-232. The Configuration Wizard within ZonePRO Designer guides users through the step-by-step configuration process of the 641.

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
- Optional ZC Controllers
- Serial Control
- Third Party Control
- Wizard-Driven Configuration

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ZonePRO™ 641

TECHNICAL SPECIFICATIONS:

Front Panel LED Indicators:	Power
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

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