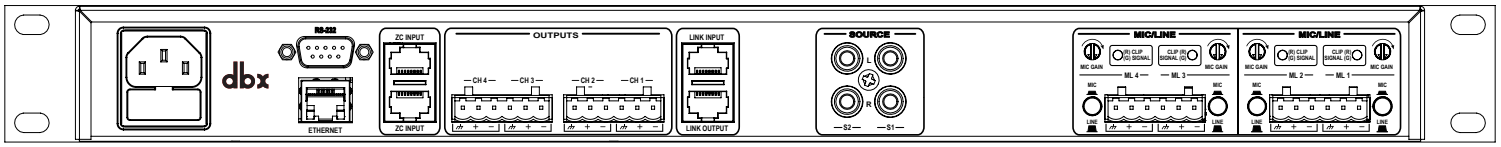
dbx ZonePRO™
641m





OVERVIEW:

The ZonePRO 641m 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 641m features a total of six inputs and four outputs. Inputs include four balanced mic/line switchable terminal block inputs and two mono-summed pairs of unbalanced RCA inputs. Hardware-controlled microphone gain allows adjustment of microphone gain per channel.

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

KEY FEATURES:

- 6 Inputs / 4 Outputs
  - 4 Balanced Mic/Line Inputs
  - 2 Unbalanced, Mono-Summed RCA Input Pairs
- Microphone Gain on Channels 1-4
- Pre-Configured Architecture
- Two Configurable Input Insert Positions
- One Configurable Output Insert Position
- AutoWarmth® per Output Zone
- Link Bus
- Optional ZC Controllers
- Ethernet Control
- Serial Control
- Third Party Control
- Wizard-Driven Configuration

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ZonePRO™ 641m

TECHNICAL SPECIFICATIONS:

Front Panel LED Indicators:	Network Traffic, Power
Analog Inputs:	6 Total (4) Switchable Mic or Line, (2) 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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