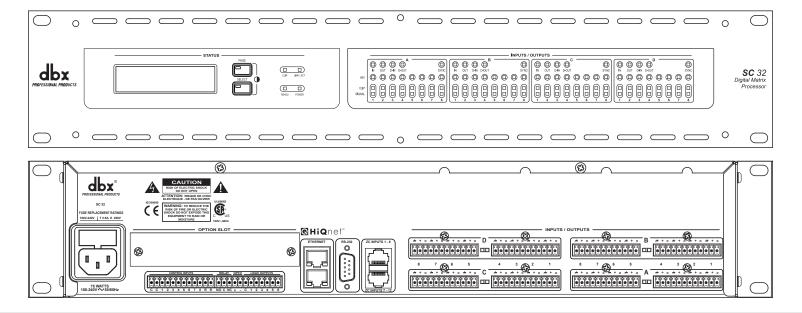
Signal Processors dbxpro.com

## SC 32 DIGITAL MATRIX PROCESSOR





## OVERVIEW:

Based on the principles of the dbx ZonePRO® products, the SC 32 Digital Matrix Processor is the new flagship product for Digital Matrix Processing. Wizard driven configuration using HiQnet™ System Architect makes unprecedented DSP power, incredible routing flexibility and a rich palette of processing tools accessible with the minimum of training. The SC 32 represents the professional choice of foundation on which to build even the most demanding integrated system.

The SC 32 has a total analog I/O count of 32, configurable in banks of eight. Analog input cards and analog output cards facilitate five different fully loaded configurations. Analog input cards accommodate a wide range of sources with mic/line switching and phantom power per input. One high-speed option slot provides facility for adding forthcoming high bandwidth audio transport I/O cards. The Media Engine factory option allows for flash-based, multi-channel playback of stored media. All of these features are housed in a sleek 2U rack chassis.

With dedicated DSP for common processing functions and insert positions for specialized processing, the SC 32 offers many processing functions including Advanced Feedback Suppression (AFS), Ambient Noise Compensation (ANC), priority ducking, parametric equalization (PEQ), delay and dynamics. The SC 32 has a diverse range of control options including HiQnet™ System Architect custom control panels, Ethernet, serial, contact closure, the popular ZC wall controllers and even automatically scheduled events. With so many methods of control, an SC system can truly be tailored to suit the needs and technical expertise of even the most scrutinizing contractor.

## **KEY FEATURES:**

- 32 channels of analog I/0 configurable in banks of 8
- Mic / Line and Phantom Power per channel on Analog Input Cards
- Ethernet / Serial Control
- Logic I/0
- Rich Palette of Processing Tools
- Wizard configuration
- Selectable DSP inserts on all inputs and outputs including Advanced Feedback Suppression (AFS)
- Automatic Gain Compensation (AGC), Compression, De-Essing and Notch Parametric Equalization
- Complete routing flexibility
- Comprehensive configuration, control and monitoring from HiQnet System Architect
- Events Scheduler
- Optional ZC wall panel control
- Optional Media Engine

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## SC 32 Digital Matrix Processor

Other  LCD Display, Page Button, Select Button and LED Indicators for Global CLIP, Link/Active, RS-232 and Power Card Slots: Audio Cards: Holip Speed Option Slot: Analog Injurts: (8) per Injurt Card Connectors: Phoenix/Combison, 3.5mm pitch Mic/Line Injurts: Nominal gain 0 dB, Electronically switchable to +6, +12, +18, +24, +30, +36, +42, +48 dB Type: Electronically balanced, RF filtered Impedance: 3.5 k Q Maximum Injurt Level: - 40 dB typical, >50 dB at 1 kHz Phantom Power: - 454 DK, selectable per injurt Analog Outputs: (8) per Output Card Connectors: Phoenix/Combison, 3.5mm pitch When Connectors: Phoenix/Combison, 3.5mm pitch Dyne: Electronically balanced, RF filtered Impedance: - 420 dBu System Performance: Dynemic Range: - 107 dB unweighted, 110 dB A-weighted Internal Processing: - 20 bit: 20 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 20 bit: 20 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 20 bit: 20 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 20 bit: 20 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 20 bit: 20 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 20 bit: 20 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 20 bit: 20 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 20 bit: 20 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 20 bit: 20 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 40 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 40 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 40 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 40 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 40 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 40 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 40 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 40 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 40 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 40 bit: 0 dBu, 1 kHz, 0 dB injurt gain Prequency Response: - 40 bit: 0 dBu, 1	Signal Present, Clip, 48V Phantom Power, SYNC, I/O card type (IN, OUT, D-IN, D-OUT)
Gard Slots:  Audio Cards: 4 Card Slots (A, B, C, D) High Speed Option Slot: 1 Card Slot Analog Inputs: (8) per Input Card Connectors: Phoenix/Combition, 3.5mm pitch Mic/Line Inputs: Nominal again of 4B, Exchronically switchable to +6, +12, +18, +24, +30, +36, +42, +48 dB Type: Electronically balanced, RF filtered Impedance: 35 t.C Hardmann Input Level: +20 dBu Adamum Input Level: +40 dB typical, >50 dB at 1 kHz Hardmann William Stand (B) Exchronically switchable to +6, +12, +18, +24, +30, +36, +42, +48 dB Type: Electronically balanced, RF filtered Impedance: 40 dB typical, >50 dB at 1 kHz Hardmann William Stand (B) per Output Card Connectors: Phoenix/Combition, 3.5mm pitch Type: Electronically balanced, RF filtered Impedance: 44 Ω Wax Output Level: +20 dBu Wax Output Level: -30 dBu Wax Output Level: -40 dBu Wax	
Audio Cards: 4 Card Slots (A, B, C, D) High Speed Option Slot: 1 Land Slot Analog Inputs: (8) per Input Card Connectors: Phoenix/Combicon, 3.5mm pitch Mic/Line linputs: Nominal gain 0 dB, Electronically switchable to +6, +12, +18, +24, +30, +36, +42, +48 dB Hype: Electronically balanced, RF filtered Maximum Input Level: +20 dBu Maximum Input Level: +20 dBu Maximum Input Level: +48 VDC, selectable per input Analog Outputs: (8) per Output Card Connectors: Phoenix/Combicon, 3.5mm pitch Connectors: Phoenix/Combicon, 3.5mm pitch Vige: Electronically balanced, RF filtered Impedance: +44 Ω Max Output Level: +20 dBu System Performance: Dynamic Range: 107 dB unweighted, 110 dB A-weighted Internal Processing: 110 dB unweighted, 110 dB A-weighted Internal Processing: 32 b lit floating point HISH + Noise: 0.0045% spical at 0 dBu, 1 kitz, 0 dB input gain Ferquency Response: 20 Hz. 20 kHz, z-0.50 dB Sample Rate: 48 kHz Serole Rate: 48 kHz Serole Rate: 48 kHz Serole Orts: 8 Control Input Sand 6 Logic Outputs (Phoenix/Combicon, 3.5mm pitch) Control Input Impedance: 47 ko hm to +5V (2-wire mode) Logic Output Voltage: 0.01 +35 v unloaded Logic Output Voltage: 0.07 +55 v unloaded Logic Output Current: 1 Logic Output Current: 1 Logic Output Current: 1 Logic Output Current: 1 Logic Output Current: 20 Logic Output Serole Rate Closure: Connector: Connec	LED DISplay, Fage Button, Select Button and LED indicators for. Global CLIF, Link/Active, KS-232 and Fower
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Analog Inputs: (8) per Input Card Connectors: Phoenix/Combicon, 3.5mm pitch Mic/Line Inputs: Nominal gain o dB, Electronically switchable to +6, +12, +18, +24, +30, +36, +42, +48 dB Type: Electronically balanced, RF filtered Impedance: 3.5 k Ω  Maximum Input Level: 420 dBu MRR: 400 dBy Input, >50 dB at 1 kHz Phantom Power: 448 VDC, selectable per input Analog Outputs: (8) per Output Card Connectors: Phoenix/Combicon, 3.5mm pitch Connectors: Phoenix/Combicon, 3.5mm pitch Type: Electronically balanced, RF filtered Impedance: 44 Ω  Max Output Level: 420 dBu System Performance: Pyramic Range: 107 dB unweighted, 110 dB A-weighted Internal Processing: 1107 dB unweighted, 110 dB A-weighted Internal Processing: 120 bBy System Performance: 120 bBy System	
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Analog Outputs:  (8) per Output Card Connectors: Phoenix/Combicon, 3.5mm pitch  (bye: Electronically balanced, RF filtered  (mpedance: 44 Ω  Maxo Uutput Level: +20 dBu  System Performance:  (bynamic Range: 107 dB unweighted, 110 dB A-weighted  (internal Processing: 32 bit floating point  (internal Processing: 34 bit floating point  (internal Processing: 48 bit 42 bit 44	*-
Connectors: Phoenix/Combicon, 3.5mm pitch Type: Electronically balanced, Rf filtered Impedance: 44 Ω Max Output Level: +20 dBu System Performance: Dynamic Range: 107 dB unweighted, 110 dB A-weighted Internal Processing: 32 bit floating point THH+ Noise: 0.0045% typical at 0 dBu, 1 kHz, 0 dB input gain THH+ Noise: 0.0045% typical at 0 dBu, 1 kHz, 0 dB input gain THH+ Noise: 0.0045% typical at 0 dBu, 1 kHz, 0 dB input gain THH+ Noise: 0.0045% typical at 0 dBu, 1 kHz, 0 dB input gain Terequency Response: 20 Hz- 20 kHz, +7-0.50 dB Sample Rate: 48 kHz GFIO Ports: 8 Control Inputs and 6 Logic Outputs (Phoenix/Combicon, 3.5mm pitch) Control Input Impedance: 4.7 k ohm to +5V (2-wire mode) Logic Output Ungae: 0 or +5V unloaded Logic Output Ungae: 0 or +5V unloaded Logic Output Greent: 10mA source, 60mA sink Relay Contact Closure: Connector: Phoenix/Combicon, 3.5mm pitch Contact Rated Load: 0.3A at 125VAC, 1 A at 30VDC Watchdog Output: Phoenix/Combicon, 3.5mm pitch for failsafe control Opto-isolated Output Current: 14mA maximum Withstanding Voltage: 80V maximum (Off) Series Impedance: 2002 (isolated) Imput Signal Processing per Channel: Unger Voltage: 100 May 1 and	
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Impedance: 44 Ω  Max Output Level: +20 dBu  System Performance:  Dynamic Range: 107 dB unweighted, 110 dB A-weighted  Internal Processing: 32 bit floating point  ITHD + Noise: 0.0045% typical at 0 dBu, 1 kHz, 0 dB input gain  Frequency Response: 20 Hz- 20 kHz, +/-0.50 dB  Sample Rate: 48 kHz  SePIO Ports: 8 Control Inputs and 6 Logic Outputs (Phoenix/Combicon, 3.5mm pitch)  Control Input Woltage: 0 or +5V unloaded  Logic Output Voltage: 0 or +5V unloaded  Logic Output Untimpedance: 4/40 ohm  Logic Output Unternt: 10mA source, 60mA sink  Relay Contact Closure  Connector: Phoenix/Combicon, 3.5mm pitch  Contacts: Common (0.) Normally Open (NO), Normally Closed (NC)  Contact Rated Load: 0.3A at 125VAC, 1A at 30VDC  Watchdog Output: Phoenix/Combicon, 3.5mm pitch for failsafe control Opto-isolated  Uutput Current: 14mA maximum  Withstanding Voltage: 80 m maximum (Off)  Series Impedance: 2022 (isolated)  Imput Signal Processing per Channel  Delay: Up to 5120ms of input delay  EQ: 4 Band Parametric  Downward Expander  Ducker: 24 level priority ducker  Routing/Mixing: 24vd mixer per output channel  Output Signal Processing: Insect Processing: Insect Processing: One selectable Input Processing block per input  Insect Processing: One selectable Input Processing block per input  Insect Processing: One selectable Input Processing block per output.  Sub-Harmonic Symthesizer  Output Signal Processing: One selectable Input Processing block per output.  Insect Processing: One selectable Output Processing block per output.  Sub-Harmonic Symthesizer  Output Signal Processing: One selectable Output Processing block per output.  Sured Processing: One selectable Output Processing block per output.  Sured Processing: One selectable Output Processing block per output.  Sured Processing: One selectable Output Processing block per output.  Sured Processing: One selectable Output Processing block per output.  Sured Processing: One selectable Output Processing block per output.  Sured Processing: One selectable Output Processing block p	
Max Output Level: +20 dBu  System Performance:  Dynamic Range: 107 dB unweighted, 110 dB A-weighted Internal Processing: 32 bit floating point ThD - Noise: 0.045% typical at 0 dBu, 1 kHz, 0 dB input gain Frequency Response: 20 Hz. 20 kHz, +/-0.50 dB Sample Rate: 48 kHz GPTO Ports: 8 Control Inputs and 6 Logic Outputs (Phoenix/Combicon, 3.5mm pitch) Control Input Voltage: 0 to 4.5∨ Control Input Impedance: 1.47 k ohm to +5V (2-wire mode) Logic Output Uput Impedance: 4.40 ohm Logic Output Impedance: 4.40 ohm Logic Output Uput Impedance: 4.40 ohm Logic Output Cluster: 0 or +5V unloaded Logic Output Impedance: 4.40 ohm Logic Output Cluster: 0 or +5V unloaded Logic Output Cluster: 1 or +5V (2-wire mode) Logic Output Clurent: 1 or +5V (2-wire mode) Logic Output Cluster: 1 or +5V (2-wire mode) Logic Output Cluster: 1 or +5V (2-wire mode) Logic Output Cluster: 1 or +5V (2-wire mode) Logic Output Signal Processing per Channel: 1 or +5V (2-wire mode) Logic Output Signal Processing per Channel: 1 or +5V (2-wire mode) Logic Output Signal Processing per Channel: 1 or +5V (2-wire mode) Logic Output Signal Processing per Channel: 1 or +5V (2-wire mode) Logic Output Signal Processing per Channel: 1 or +5V (2-wire mode) Logic Output Signal Processing per Channel: 1 or +5V (2-wire mode) Logic Output Signal Processing per Channel: 1 or +5V (2-wire mode) Logic Output Signal Processing per Channel: 1 o	•
Dynamic Range: 107 dB unweighted, 110 dB A-weighted Internal Processing: 32 bit floating point ITHD * Noise: 0.0045% typical at 0 dBu, 1 kHz, 0 dB input gain Frequency Response: 20 Hz. 20 kHz, +/−0.50 dB Sample Rate: 48 kHz 48 kHz 8 Control Inputs and 6 Logic Outputs (Phoenix/Combicon, 3.5mm pitch) Control Input Voltage: 0 to 4.5 v Control Input Uvoltage: 0 or +5V vinloaded Logic Output Voltage: 0 or +5V vinloaded Logic Output Comparison (Control Input Impedance: 1 Orn +5V vinloaded Logic Output Urent: 1 Orn As ource, 60mA sink Relay Contact Closure: 1 Orn As ource, 60mA sink Relay Contact Closure: 1 Orn As ource, 60mA sink Relay Contact Closure: 1 Orn As ource, 60mA sink Relay Contact Closure: 1 Orn As ource, 60mA sink Relay Contact Closure: 1 Orn As ource, 60mA sink Relay Contact Closure: 1 Orn As ource, 60mA sink Relay Contact Closure: 2 Orn As at 125VAc, 1 As 30VDC Output Current: 4 Orn As ource, 60mA sink Relay Contact Relay Comparison (C), Normally Open (NO), Normally Closed (NC) Contact Relay Comparison (C), Normally Open (NO), Normally Closed (NC) Contact Relay Comparison (C), Normally Open (NO), Normally Closed (NC) Contact Relay Comparison (C), Normally Closed (NC) Contact Relay Contact Relay Comparison (C), Normally Closed (NC) Contact Relay Contact Relay Comparison (C), Normally Closed (NC) Contact Relay Contact Relay Comparison (C), Normally Closed (NC) Contact Relay Cont	
Dynamic Range: 107 dB unweighted, 110 dB A-weighted   Internal Processing: 32 bit floating point   ITHO + Noise: 0.0045% typical at 0 dBu, 1 kHz, 0 dB input gain   Frequency Response: 20 Hz. 20 kHz, +/-0.50 dB   Sample Rate: 48 kHz   GP10 Ports: 8 Control Inputs and 6 Logic Outputs (Phoenix/Combicon, 3.5mm pitch)   Control Input Ungedance: 0 to 4.5∨   Logic Output Voltage: 0 or +5∨ unloaded   Logic Output Ururent: 10mA source, 60mA sink   Relay Contact Closure:   Logic Output Current: 10mA source, 60mA sink   Relay Contact Closure:   Connector: Phoenix/Combicon, 3.5mm pitch   Contact Rated Load: 0.3A at 125∨KC, 1A at 30∨DC   Watchdog Output: 14mA maximum   Withstanding Voltage: 220Ω (Isolated)   Input Signal Processing per Channel   Delay: Up to 5120ms of input delay   E0: 4 Band Parametric   Gate: Downward Expander   Insert Types: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric   Sub-Hamonic Synthesizer   24 (Evel priority ducker   Routing/Mixing: 24x4 mixer per output channel   United Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™   Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™   Crossover Configurations: 11x, 1x, 2x, 3x, 4 (Ison Consoler)   Insert Types: Gain Parametric   Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™   Crossover Configurations: 11x, 1x, 2x, 3x, 1x4 (Ison Consoler)   Insert Types: Gain Parametric   Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™   Crossover Configurations: 11x, 1x, 2x, 3x, 1x4 (Ison Consoler)   Insert Types: Gain Parametric   Consoler Conso	
Internal Processing: 32 bit floating point THD + Noise: 0.0045% typical at 0 dBu, 1 kHz, 0 dB input gain Frequency Response: 20 Hz- 20 kHz, ≠ f-0.50 dB Sample Rate: 48 kHz GP10 Ports: 8 Control Input Voltage: 0 to 4.5 v Control Input Voltage: 0 to 5.5 v Control Input Voltage: 0 to 7.7 k ohm to +5V (2-wire mode) Logic Output Voltage: 0 or ≠5V unloaded Logic Output Urient: 10mA source, 60mA sink Relay Contact Closure: Connector: Phoenix/Combicon, 3.5mm pitch Contacts: Common (C), Normally Open (No), Normally Closed (NC) Contacts: Common (C), Normally Open (No), Normally Closed (NC) Contact Rade Load: 0.3A at 125VAC, 1A at 30VDC Watchdog Output: Phoenix/Combicon, 3.5mm pitch for failsafe control Opto-isolated Utuput Current: 14mA maximum Withstanding Voltage: 80V maximum (Off) Series Impedance: 12002 (isolated) Input Signal Processing per Channel Delay: Up to 5120ms of input delay Delay: Up to 5120ms of input Processing blocks per input Insert Types: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer Ducker: 24 level priority ducker Routing/Mixing: 24x1 mixer per output channel Unsert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™ Crossover Configurations: 1x1, 1x2, 1x3, 1x4 Ressel 6, 1z, 18 and 24 dB/Octave, Butterworth 6, 1z, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave ED: 6 Band Parametric Limiter: dbx PeakStopPlus™ Delay: Up to 5120ms of output delay Miscellaneous: Control: Ethernet, RS-23z, Optional dbx ZC Wall Panels Dewer Requirements: 100V to 240VAC 50/60Hz, 75 Watts Dimensions (H(U) x W x D): 3.5 **(20) x 19" x 15" **(39 mm x 48 mm x 38 mm)	107 dB unweighted, 110 dB A-weighted
THD + Noise: 0.0045% typical at 0 albu, 1 kHz, 0 dB input gain Frequency Response: 20 Hz- 20 kHz, +/-0.50 dB Sample Rate: 48 kHz GFIO Ports: 8 Control Inputs and 6 Logic Outputs (Phoenix/Combicon, 3.5mm pitch) Control Input Undege: 0 to 4.5v Control Input Mpedance: 4.7 k ohm to +5V (2-wire mode) Logic Output Voltage: 0 or +5V unloaded Logic Output Current: 10mA source, 60mA sink Relay Contact Closure: Common (C), Normally Open (NO), Normally Closed (NC) Contacts: Common (C), Normally Open (NO), Normally Closed (NC) Contacts: Common (C), Normally Open (NO), Normally Closed (NC) Contact Rated Load: 0.3A at 125VAC, 1A at 30VDC Matchdog Output: Phoenix/Combicon, 3.5mm pitch for failsafe control Opto-isolated Output Current: 14mA maximum Withstanding Voltage: 80V maximum (Off) Series Impedance: 22002 (isolated) Input Signal Processing per Channel Delay: Up to 5120ms of input delay EQ: 4 Band Parametric Gate: Downward Expander  Ducker: 24 level priority ducker Routing/Mixing: 24xI mixer per output channel Output Kingha Processing per Channel: Untput Signal Processing per Channel: Unimer: 42 level priority ducker Consover Configurations: 54x1 Mixer per output channel Untput Signal Processing per Channel: Unimer: 44 dB/Octave Untput Signal Processing per Channel: Unimer: 45 dB Andromatic Gain Control, Ambient Noise Compensation, Auto-Warmth™ Crossover Types: 65 and Parametric Unimer: 45 dB Andromatic Gain Control, Ambient Noise Compensation, Auto-Warmth™ Crossover Types: 65 and Parametric Unimer: 45 dB Andromatic Gain Control, Ambient Noise Compensation, Auto-Warmth™ Cro	
Frequency Response: 20 Hz- 20 kHz, +/-0.50 dB Sample Rate: 48 kHz Control Input Voltage: 0 to 4.5v Control Input Voltage: 0 to 4.5v Control Input Woltage: 0 or +5V unloaded Logic Output Voltage: 47 k ohm to +5V (2-wire mode) Logic Output Voltage: 0 or +5V unloaded Logic Output Urent: 10mA source, 60mA sink Relay Contact Closure: Connector: Common (C), Normally Open (ND), Normally Closed (NC) Contacts: Common (C), Normally Open (ND), Normally Closed (NC) Contact Rated Load: 0.3A at 125VAC, 1A at 30VDC Watchdog Output: Phoenix/Combicon, 3.5mm pitch for failsafe control Opto-isolated Output Current: 14mA maximum Withstanding Voltage: 80V maximum (Off) Series Impedance: 20202 (isolated) Input Signal Processing per Channel Delay: Up to 5120ms of input delay Ed: 4 Band Parametric Gate: Downward Expander Insert Processing: Two selectable Input Processing blocks per input Insert Processing: Two selectable Input Processing Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer Ducker: 24 level priority ducker Routing/Mixing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Devent Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per	
Sample Rate:       48 kHz         GPTO Ports:       8 Control Input Soltage:         Control Input Woltage:       0 to 4.5v         Control Input Impedance:       4.7 k ohm to +5V (2-wire mode)         Logic Output Woltage:       0 or +5V unloaded         Logic Output Unrent:       10mA source, 60mA sink         Relay Contact Closure:       Phoenix/Combicon, 3.5mm pitch         Connector:       Phoenix/Combicon, 3.5mm pitch         Contact Rated Load:       0.3A at 125VAC, 1A at 30VDC         Watchdog Output:       14mA maximum         Withstanding Voltage:       80V maximum (0ff)         Series Impedance:       220Ω (isolated)         Input Signal Processing per Channel:       92 word of the put Processing blocks per input         Belay:       Up to 5120ms of input delay         Belay:       Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric         Gate:       Downward Expander         Insert Processing:       Two selectable Input Processing blocks per input         Insert Processing:       Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric         Output Signal Processing per Channel:       Use Harmonic Synthesizer         Unsert Types:       Gain, Automatic Gain Control, Ambient Noise Compe	
GPIO Ports: 8 Control Input Sand 6 Logic Outputs (Phoenix/Combicon, 3.5mm pitch) Control Input Wildage: 0 to 4.5v Control Input Woltage: 47 k ohm to +5V (2-wire mode) Logic Output Woltage: 0 or +5V unloaded Logic Output Impedance: 10mA source, 60mA sink Relay Contact Closure: 10mA source, 60mA sink Relay Contact Closure: 2 Common (O, Normally Open (NO), Normally Closed (NC) Contact Rated Load: 0.3A at 125VAC, 1A at 30VDC Watchdog Output: Phoenix/Combicon, 3.5mm pitch for failsafe control Opto-isolated Output Current: 14mA maximum Withstanding Voltage: 80V maximum (Off) Series Impedance: 220Ω (Isolated) Input Signal Processing per Channel Delay: 1 bownward Expander Insert Processing: Two selectable Input Processing blocks per input Insert Types: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer  Bouting/Mixing: 2 kext mixer per output channel Output Signal Processing per Channel: Insert Processing: One selectable Output Processing block per output. Insert Types: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer  Bouting/Mixing: 2 kext mixer per output channel Output Signal Processing per Channel: Insert Processing: One selectable Output Processing block per output. Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™ Crossover Configurations: 1x1, 1x2, 1x3, 1x4 Crossover Configurations: 1x1, 1x2, 1x3, 1x4 Crossover Types: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave EQ: 6 Band Parametric Limiter: dbx PeakStopPlus™ Delay: Up to 5120ms of output delay  Miscellaneous: Control: Ethernet, RS-232, Optional dbx ZC Wall Panels Dimensions (H(U) x W x D): 3.5° (2U) x 19° x 15° (89 mm x 483 mm x 381mm)	·
Control Input Voltage: 0 to 4.5v Control Input Impedance: 4.7 k ohm to +5V (2-wire mode) Logic Output Voltage: 4.7 k ohm to +5V (2-wire mode) Logic Output Untrent: 10mA source, 60mA sink Relay Contact Closure: Connector: Phoenix/Combicon, 3.5mm pitch Contacts: Common (C), Normally Open (NO), Normally Closed (NC) Contact Rated Load: 0.3A at 125VAC, 1A at 30VDC Watchdog Output: Phoenix/Combicon, 3.5mm pitch for failsafe control Opto-isolated Output Current: 14mA maximum Withstanding Voltage: 80W maximum (Off) Series Impedance: 22002 (Isolated) Input Signal Processing per Channel Delay: Up to 5120ms of input delay EQ: 4 Band Parametric Gate: Downward Expander Insert Processing: Two selectable Input Processing blocks per input Insert Types: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer Ducker: 24 level priority ducker Routing/Mixing: 24x1 mixer per output channel Output Signal Processing per Channel: Insert Processing: One selectable Output Processing block per output. Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™  Souther Signal Processing per Channel: Insert Processing: One selectable Output Processing block per output. Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™  Soutput Signal Processing per Channel: Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™  1x1, 1x2, 1x3, 1x4 Crossover Configurations: 1x1, 1x2, 1x3, 1x4 Crossover Configurations: 1x1, 1x2, 1x3, 1x4 Crossover Topes: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave  40: 6 Band Parametric dbx PeakStopPlus™ Delay: Up to 5120ms of output delay  Miscellaneous: Control: Ethernet, RS-232, Optional dbx ZC Wall Panels Dimensions (H(U) x W x D): 3.5" (20) x 15" x 15" (89mm x 483mm x 381mm)	
Control Input Impedance: 4.7 k ohm to +5V (2-wire mode) Logic Output Voltage: 0 or +5V unloaded Logic Output Impedance: 440 ohm Logic Output Current: 10mA source, 60mA sink Relay Contact Closure: Connector: Phoenix/Combicon, 3.5mm pitch Contacts: Common (C), Normally Open (NO), Normally Closed (NC) Contacts: Common (C), Normally Open (NO), Normally Closed (NC) Contact Rated Load: 0.3A at 125VAC, 1A at 30VDC Watchdog Output: 14mA maximum Withstanding Voltage: 80V maximum (0ff) Series Impedance: 20202 (isolated)  Input Signal Processing per Channel Delay: Up to 5120ms of input delay Etc: 4 Band Parametric Gate: Downward Expander Insert Processing: Two selectable Input Processing blocks per input Insert Types: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer  Ducker: 24 level priority ducker Routing/Mixing: 04x1 mixer per output channel Output Signal Processing per Channel: Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: On	
Logic Output Voltage: 0 or +5V unloaded Logic Output Impedance: 440 ohm Logic Output Current: 10mA source, 60mA sink  Relay Contact Closure: Connector: Phoenix/Combicon, 3.5mm pitch Contacts: Common (C), Normally Open (NO), Normally Closed (NC) Contact Radel Load: 0.3A at 125VAC, 1A at 30VDC  Watchdog Output: Phoenix/Combicon, 3.5mm pitch for failsafe control Opto-isolated Output Current: 14mA maximum  Withstanding Voltage: 80V maximum (Off) Series Impedance: 220Ω (isolated) Input Signal Processing per Channel Delay: Up to 5120ms of input delay EQ: 4 Band Parametric Gate: Downward Expander Insert Processing: Two selectable Input Processing blocks per input Insert Types: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer Ducker: 24 level priority ducker  Routing/Mixing: 24x1 mixer per output channel Output Signal Processing per Channel: Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block per output. Insert Processing: One selectable Output Processing block	
Logic Output Impedance: 440 ohm Logic Output Current: 10mA source, 60mA sink Relay Contact Closure: Connector: Phoenix/Combicon, 3.5mm pitch Contacts: Common (C), Normally Open (NO), Normally Closed (NC) Contact Rated Load: 0.3A at 125VAC, 1A at 30VDC Watchdog Output: Phoenix/Combicon, 3.5mm pitch for failsafe control Opto-isolated Output Current: 14mA maximum Withstanding Voltage: 80V maximum (0ff) Series Impedance: 220Ω (isolated) Input Signal Processing per Channel Delay: Up to 5120ms of input delay EQ: 4 Band Parametric Gate: Downward Expander Insert Processing: Two selectable Input Processing blocks per input Insert Processing: Two selectable Input Processing blocks per input Insert Processing: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer Ducker: 24 level priority ducker Routing/Mixing: 24xt mixer per output channel Output Signal Processing per Channel: Insert Processing: One selectable Output Processing block per output. Insert Processing: Insert Processing: One selectable Output Processing block per output. Insert Processing: Insert Processing: One selectable Output Processing block per output. Insert Processing: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™  Crossover Configurations: 1x1, 1x2, 1x3, 1x4 Crossover Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™  24 dB/Octave EQ: 6 Band Parametric Imiter: dbx PeakStopPlus™ Delay: Up to 5120ms of output delay  Miscellaneous: Control: Ethernet, RS-232, Optional dbx ZC Wall Panels Power Requirements: 100V to 240VAC 50/60Hz, 75 Watts Dimensions (H(U) x W x D): 3.5* (2U) x 19* x 15* (89mm x 483mm x 381mm)	
Logic Output Current: 10mA source, 60mA sink Relay Contact Closure: Connector: Phoenix/Combicon, 3.5mm pitch Contacts: Common (C), Normally Open (NO), Normally Closed (NC) Contact Rated Load: 0.3A at 125VAC, 1A at 30VDC Watchdog Output: Phoenix/Combicon, 3.5mm pitch for failsafe control Opto-isolated Output Current: 14mA maximum Withstanding Voltage: 80V maximum (Off) Series Impedance: 220Ω (isolated) Imput Signal Processing per Channel Delay: Up to 5120ms of input delay E0: 4 Band Parametric Gate: Downward Expander Insert Processing: Two selectable Input Processing blocks per input Insert Prypes: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer Ducker: 24 level priority ducker Routing/Mixing: 24x1 mixer per output channel Output Signal Processing: One selectable Output Processing block per output. Insert Prypes: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™ Crossover Configurations: 1x1, 1x2, 1x3, 1x4 Crossover Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™ Crossover Types: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave E0: 6 Band Parametric Limiter: dbx PeakStopPlus™ Delay: Up to 5120ms of output delay Miscellaneous: Control: Ethernet, RS-232, Optional dbx ZC Wall Panels Dower Requirements: 100V to 240VAC 50/60Hz, 75 Watts Dimensions (H(U) x W x D): 3.5° (2U) x 19° x 15° (89mm x 483mm x 381mm)	
Relay Contact Closure: Connector: Phoenix/Combicon, 3.5mm pitch Contacts: Common (C), Normally Open (NO), Normally Closed (NC) Contact Rated Load: 0.3A at 125VAC, 1A at 30VDC Watchdog Output: Phoenix/Combicon, 3.5mm pitch for failsafe control Opto-isolated Output Current: 14m A maximum Withstanding Voltage: 80V maximum (Off) Series Impedance: 220Ω (isolated) Input Signal Processing per Channel Delay: Up to 5120ms of input delay EQ: 4 Band Parametric Gate: Downward Expander Insert Processing: Two selectable Input Processing blocks per input Insert Types: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer Ducker: 24 level priority ducker Routing/Mixing: 24x1 mixer per output channel Output Signal Processing per Channel: Insert Processing: One selectable Output Processing block per output. Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™ Crossover Configurations: 1x1, 1x2, 1x3, 1x4 Crossover Types: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave EQ: 6 Band Parametric Limiter: dbx PeakStopPlus™ Delay: Up to 5120ms of output delay Miscellaneous: Control: Ethernet, RS-232, Optional dbx ZC Wall Panels Power Requirements: 100V to 240VAC 50/60Hz, 75 Watts Dimensions (H(U) x W x D): 3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	
Connector: Phoenix/Combicon, 3.5mm pitch Contacts: Common (O, Normally Open (NO), Normally Closed (NC) Contact Rated Load: 0.3A at 125VAC, 1A at 30VDC  Watchdog Output: Phoenix/Combicon, 3.5mm pitch for failsafe control Opto-isolated Output Current: 14m M maximum Withstanding Voltage: 80V maximum (Off) Series Impedance: 220Ω (isolated)  Input Signal Processing per Channel Delay: Up to 5120ms of input delay EG: 4 Band Parametric Gate: Downward Expander Insert Processing: Two selectable Input Processing blocks per input Insert Types: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer Ducker: 24 level priority ducker Routing/Mixing: 24x1 mixer per output channel Output Signal Processing per Channel: Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™ Crossover Configurations: 1x1, 1x2, 1x3, 1x4 Crossover Configurations: 1x1, 1x2, 1x3, 1x4 Crossover Configurations: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave EQ: 6 Band Parametric Limiter: dbx PeakStopPlus™ Delay: Up to 5120ms of output delay  Miscellaneous: Control: Ethernet, RS-232, Optional dbx ZC Wall Panels Dower Requirements: 100V to 240VAC 50/60Hz, 75 Watts Dimensions (H(U) x W x D): 3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	
Contacts: Common (C), Normally Open (NO), Normally Closed (NC) Contact Rated Load: 0.3 A at 125VAC, 1A at 30VDC Watchdog Output: Phoenix/Combicon, 3.5mm pitch for failsafe control Opto-isolated Output Current: 14mA maximum Withstanding Voltage: 80V maximum (Off) Series Impedance: 220Ω (isolated) Imput Signal Processing per Channel Delay: Up to 5120ms of input delay E0: 4 Band Parametric Gate: Downward Expander Insert Processing: Two selectable Input Processing blocks per input Insert Types: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer Ducker: 24 level priority ducker Routing/Mixing: 24x1 mixer per output channel Output Signal Processing per Channel: Insert Processing: One selectable Output Processing block per output. Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™ Crossover Configurations: 1x1, 1x2, 1x3, 1x4 Crossover Types: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave E0: 6 Band Parametric Limiter: dbx PeakStopPlus™ Delay: Up to 5120ms of output delay Miscellaneous: Control: Ethernet, RS-232, Optional dbx ZC Wall Panels Diwensions (H(U) x W x D): 3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	Phoenix/Combicon, 3.5mm pitch
Contact Rated Load:  Watchdog Output:  Phoenix/Combicon, 3.5mm pitch for failsafe control Opto-isolated  Output Current:  14mA maximum  Withstanding Voltage:  Series Impedance:  220Ω (isolated)  Input Signal Processing per Channel  Delay:  Up to 5120ms of input delay  EC:  4 Band Parametric  Gate:  Downward Expander  Insert Processing:  Inw selectable Input Processing blocks per input  Insert Types:  Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric  Sub-Harmonic Synthesizer  Ducker:  24 level priority ducker  Routing/Mixing:  24xI mixer per output channel  Output Signal Processing per Channel:  Insert Processing:  One selectable Output Processing block per output.  Insert Processing:  One selectable Output Processing block per output.  Insert Types:  Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™  Crossover Configurations:  1x1, 1x2, 1x3, 1x4  Crossover Types:  Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave  EC:  6 Band Parametric  Limiter:  dbx PeakStopPlus™  Delay:  Up to 5120ms of output delay  Miscellaneous:  Control:  Ethernet, RS-232, Optional dbx ZC Wall Panels  Dower Requirements:  100V to 240VAC 50/60Hz, 75 Watts  Dimensions (H(U) x W x D):  3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	
Output Current:       14mA maximum         Withstanding Voltage:       80V maximum (Off)         Series Impedance:       220Ω (isolated)         Input Signal Processing per Channel       Delay:         Delay:       Up to 5120ms of input delay         EQ:       4 Band Parametric         Gate:       Downward Expander         Insert Processing:       Two selectable Input Processing blocks per input         Insert Types:       Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer         Ducker:       24 level priority ducker         Routing/Mixing:       24x1 mixer per output channel         Output Signal Processing per Channel:         Insert Processing:       One selectable Output Processing block per output.         Insert Types:       Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™         Crossover Configurations:       1x1, 1x2, 1x3, 1x4         Crossover Types:       Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave, 4dB/Octave         EQ:       6 Band Parametric         Limiter:       dbx PeakStopPlus™         Delay:       Up to 5120ms of output delay         Miscellaneous:       Control:       Ethernet, RS-232, Optional dbx ZC Wall Panels	
Withstanding Voltage: 80V maximum (Off)  Series Impedance: 220Ω (isolated)  Input Signal Processing per Channel  Delay: Up to 5120ms of input delay  EQ: 4 Band Parametric  Gate: Downward Expander  Insert Processing: Two selectable Input Processing blocks per input  Insert Tiypes: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer  Ducker: 24 level priority ducker  Routing/Mixing: 24x1 mixer per output channel  Output Signal Processing per Channel:  Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™  Crossover Configurations: 1x1, 1x2, 1x3, 1x4  Crossover Configurations: 1x1, 1x2, 1x3, 1x4  Crossover Types: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave  EQ: 6 Band Parametric  Limiter: dbx PeakStopPlus™  Delay: Up to 5120ms of output delay  Miscellaneous:  Control: Ethernet, RS-232, Optional dbx ZC Wall Panels  Power Requirements: 100V to 240VAC 50/60Hz, 75 Watts  Dimensions (H(U) x W x D): 3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	Phoenix/Combicon, 3.5mm pitch for failsafe control Opto-isolated
Series Impedance: 220Ω (isolated)  Input Signal Processing per Channel  Delay: Up to 5120ms of input delay  EC: 4 Band Parametric  Gate: Downward Expander  Insert Processing: Two selectable Input Processing blocks per input  Insert Types: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer  Ducker: 24 level priority ducker  Routing/Mixing: 24x1 mixer per output channel  Output Signal Processing per Channel:  Insert Processing: One selectable Output Processing block per output.  Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™  Crossover Configurations: 1x1, 1x2, 1x3, 1x4  Crossover Types: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave  EQ: 6 Band Parametric  Limiter: dbx PeakStopPlus™  Delay: Up to 5120ms of output delay  Miscellaneous:  Control: Ethernet, RS-232, Optional dbx ZC Wall Panels  Power Requirements: 100V to 240VAC 50/60Hz, 75 Watts  Dimensions (H(U) x W x D): 3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	14mA maximum
Input Signal Processing per Channel         Delay:       Up to 5120ms of input delay         EQ:       4 Band Parametric         Gate:       Downward Expander         Insert Processing:       Two selectable Input Processing blocks per input         Insert Types:       Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer         Ducker:       24 level priority ducker         Routing/Mixing:       24x1 mixer per output channel         Output Signal Processing per Channel:       Insert Processing:         Insert Types:       Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™         Crossover Configurations:       1x1, 1x2, 1x3, 1x4         Crossover Types:       Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave         EQ:       6 Band Parametric         Limiter:       dbx PeakStopPlus™         Delay:       Up to 5120ms of output delay         Miscellaneous:         Control:       Ethernet, RS-232, Optional dbx ZC Wall Panels         Power Requirements:       100V to 240VAC 50/60Hz, 75 Watts         Dimensions (H(U) x W x D):       3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	80V maximum (Off)
Delay: Up to 5120ms of input delay EQ: 4 Band Parametric Gate: Downward Expander Insert Processing: Two selectable Input Processing blocks per input Insert Types: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer Ducker: 24 level priority ducker Routing/Mixing: 24x1 mixer per output channel Output Signal Processing per Channel: Insert Processing: One selectable Output Processing block per output. Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™ Crossover Configurations: 1x1, 1x2, 1x3, 1x4 Crossover Types: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave EQ: 6 Band Parametric Limiter: dbx PeakStopPlus™ Delay: Up to 5120ms of output delay Miscellaneous: Control: Ethernet, RS-232, Optional dbx ZC Wall Panels Power Requirements: 100V to 240VAC 50/60Hz, 75 Watts Dimensions (H(U) x W x D): 3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	
EQ: 4 Band Parametric Gate: Downward Expander Insert Processing: Two selectable Input Processing blocks per input Insert Types: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer Ducker: 24 level priority ducker Routing/Mixing: 24x1 mixer per output channel Output Signal Processing per Channel: Insert Processing: One selectable Output Processing block per output. Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™ Crossover Configurations: 1x1, 1x2, 1x3, 1x4 Crossover Types: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave EQ: 6 Band Parametric Limiter: dbx PeakStopPlus™ Delay: Up to 5120ms of output delay Miscellaneous: Control: Ethernet, RS-232, Optional dbx ZC Wall Panels Power Requirements: 100V to 240VAC 50/60Hz, 75 Watts Dimensions (H(U) x W x D): 3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	
Gate: Downward Expander  Insert Processing: Two selectable Input Processing blocks per input  Insert Types: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer  Ducker: 24 level priority ducker  Routing/Mixing: 24x1 mixer per output channel  Output Signal Processing per Channel:  Insert Processing: One selectable Output Processing block per output.  Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™  Crossover Configurations: 1x1, 1x2, 1x3, 1x4  Crossover Types: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave  EQ: 6 Band Parametric  Limiter: dbx PeakStopPlus™  Delay: Up to 5120ms of output delay  Miscellaneous:  Control: Ethernet, RS-232, Optional dbx ZC Wall Panels  Power Requirements: 100V to 240VAC 50/60Hz, 75 Watts  Dimensions (H(U) x W x D): 3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	
Insert Processing: Two selectable Input Processing blocks per input Insert Types: Advanced Feedback Suppression, Automatic Gain Control, Compressor, De-Esser, 12-Band Notch EQ, 12-Band Parametric Sub-Harmonic Synthesizer  24 level priority ducker  24 level priority ducker  24 synt mixer per output channel  Output Signal Processing per Channel:  Insert Processing: One selectable Output Processing block per output.  Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™  Crossover Configurations: 1x1, 1x2, 1x3, 1x4  Crossover Types: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave  EQ: 6 Band Parametric  Limiter: dbx PeakStopPlus™  Delay: Up to 5120ms of output delay  Miscellaneous:  Control: Ethernet, RS-232, Optional dbx ZC Wall Panels  Power Requirements: 100V to 240VAC 50/60Hz, 75 Watts  Dimensions (H(U) x W x D): 3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	
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Sub-Harmonic Synthesizer  Ducker: 24 level priority ducker  Routing/Mixing: 24x1 mixer per output channel  Output Signal Processing per Channel:  Insert Processing: One selectable Output Processing block per output.  Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™  Crossover Configurations: 1x1, 1x2, 1x3, 1x4  Crossover Types: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave  EQ: 6 Band Parametric  Limiter: dbx PeakStopPlus™  Delay: Up to 5120ms of output delay  Miscellaneous:  Control: Ethernet, RS-232, Optional dbx ZC Wall Panels  Power Requirements: 100V to 240VAC 50/60Hz, 75 Watts  Dimensions (H(U) x W x D): 3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	
Ducker: 24 level priority ducker  Routing/Mixing: 24x1 mixer per output channel  Output Signal Processing per Channel:  Insert Processing: One selectable Output Processing block per output.  Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™  Crossover Configurations: 1x1, 1x2, 1x3, 1x4  Crossover Types: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave  EQ: 6 Band Parametric  Limiter: dbx PeakStopPlus™  Delay: Up to 5120ms of output delay  Miscellaneous:  Control: Ethernet, RS-232, Optional dbx ZC Wall Panels  Power Requirements: 100V to 240VAC 50/60Hz, 75 Watts  Dimensions (H(U) x W x D): 3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	
Routing/Mixing: 24x1 mixer per output channel   Output Signal Processing per Channel: One selectable Output Processing block per output.   Insert Processing: One selectable Output Processing block per output.   Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™   Crossover Configurations: 1x1, 1x2, 1x3, 1x4   Crossover Types: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave   EQ: 6 Band Parametric   Limiter: dbx PeakStopPlus™   Delay: Up to 5120ms of output delay   Miscellaneous: University of the processing block per output and 24 dB/Octave, Linkwitz-Riley 12 and	
Output Signal Processing per Channel:   Insert Processing: One selectable Output Processing block per output.   Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™   Crossover Configurations: 1x1, 1x2, 1x3, 1x4   Crossover Types: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave   EQ: 6 Band Parametric   Limiter: dbx PeakStopPlus™   Delay: Up to 5120ms of output delay   Miscellaneous:   Control: Ethernet, RS-232, Optional dbx ZC Wall Panels   Power Requirements: 100V to 240VAC 50/60Hz, 75 Watts   Dimensions (H(U) x W x D): 3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	
Insert Processing: One selectable Output Processing block per output.  Insert Types: Gain, Automatic Gain Control, Ambient Noise Compensation, Auto-Warmth™  Crossover Configurations: 1x1, 1x2, 1x3, 1x4  Crossover Types: Bessel 6, 12, 18 and 24 dB/Octave, Butterworth 6, 12, 18 and 24 dB/Octave, Linkwitz-Riley 12 and 24 dB/Octave  EQ: 6 Band Parametric  Limiter: dbx PeakStopPlus™  Delay: Up to 5120ms of output delay  Miscellaneous:  Control: Ethernet, RS-232, Optional dbx ZC Wall Panels  Power Requirements: 100V to 240VAC 50/60Hz, 75 Watts  Dimensions (H(U) x W x D): 3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	
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EQ: 6 Band Parametric  Limiter: dbx PeakStopPlus™  Delay: Up to 5120ms of output delay  Miscellaneous:  Control: Ethernet, RS-232, Optional dbx ZC Wall Panels  Power Requirements: 100V to 240VAC 50/60Hz, 75 Watts  Dimensions (H(U) x W x D): 3.5" (2U) x 19" x 15" (89mm x 483mm x 381mm)	*
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