

# SPEAKER PROCESS CONTROLLERS AND DELAYS



## **ASHLY Protea System II Crossover/Processor**

A fully programmable four-input/eight-output 24-bit digital crossover/system processor. Programming is either by front panel controls and 2X20 character display, Protea System PC software or MIDI. Balanced input channels provide four parametric equalizers, time delay and gain control. The balanced outputs provide Linkwitz-Riley, Butterworth and Bessel high and low pass filters I/O may be monitored globally or individually. The I/O consists of 4 XLR inputs, 8 XLR outputs, MIDI in, MIDI out, RS232.

LIST 4.24C .....2475.00

**CALL FOR PRICE**



## **ASHLY Protea System II 4.24G Digital EQ/Processor (4 Channel)**

Ashly has upgraded the Protea line of processors. Now with a lower noise floor (<90dBu), longer delay (1.364 sec.) and a wider dynamic range (110dB, 112 typ). All four channels provide for 28 band EQ, programmable compressor/limiter, delay, and 24dB high and low pass filters. Full control is accomplished through the large backlit display, and optional 4.24RD remote control, or uses your computer's RS-232 port and free downloadable software. Full password protection to keep the unwanted out. Slave units are also available in 2 and 4 channel versions with no front panel control.

LIST 4.24G .....Equalizer/processor .....2249.00  
4.24RD .....Remote control w/display .....859.00  
4.24GS .....4-channel slave .....1619.00  
2.24GS .....2-channel slave .....1049.00  
4.24D .....DSP processor 4x8 channel .....1889.00

**CALL FOR PRICE**



## **DCX2496 Ultra-Drive Pro Loudspeaker Management System**

An indispensable tool for precise set-up of multiple loudspeaker systems. Three analog/one AES/EBU input, six analog outputs, parametric EQ's for all inputs and outputs, limiters, a crossover (Butterworth, Bessel and Linkwitz-Riley) with selectable roll-off (6 to 48 dB/octave) and control software enabling single or multi remote control via PC through RS-232 and RS-485 interfaces and PCM-CIA storage. XLR balanced I/O.

LIST DCX2496-ULTRADRIVE .....299.99

**CALL FOR PRICE**



## **dbx Driverack 260**

The 260 provides full bandpass and crossover configurations as well as independent output processing and a full time RTA for live sound applications. Contractors will appreciate its control inputs for wall-panel logic control and advanced feedback suppression (AFS™). It features 2-independent channels of processing with a linkable 28-Band Graphic Equalizer, stereo compressor module, feedback eliminator and the 120A subharmonic synthesizer on the input, with a 6-channel output system that includes parametric EQs, PeakStopPlus® limiters (to provide protection against speaker blowouts) and alignment delay. I/O-2-XLR inputs/6-XLR outputs & XLR RTA mic input.

LIST DRIVERACK-260 .....1299.95

**CALL FOR PRICE**



## **dbx Driverack-2201 2x2 Controller**

The perfect tool for any fixed-install application. With a full complement of processing features and Mic/Line inputs, provides both system and microphone processing. Featuring the Advanced Feedback Suppression (AFS) algorithm, equalization, dynamics processing, delay, matrix mixing, and bandpass filters. Piloted from the intuitive DriveWare GUI that offers both Configuration and Control of the processing modules. Modules can be accessed, edited and saved as part of programs. Processing modules can be linked between the channels for true stereo processing. If independent processing is desired, parameters can be copied from one channel to the next to ensure that setup is quick and easy. Stored programs can be loaded from either the front panel or from wall mounted Zone Controllers which can also be used for output muting or adjusting output volumes.

LIST DRIVERACK-2201 .....849.95

**CALL FOR PRICE**



## **dbx Driverack-PA Speaker Control Processor**

This is the perfect way to model your speaker system at an entry level price. Drawing it's features from the legendary 480 Driverack system, it features 12 feedback notch filters, dual 28 band graphic EQ, compressor, sub harmonic synthesizer, 2x3, 2x4, 2x5 or 2x6 crossover configurations, stereo multiband parametric & output limiters, alignment delay, has on-board JBL speaker & Crown amp tunings and much more in a 1 RU package. I/O - 2 balanced XLR inputs and 6 balanced XLR outputs. The RTA mic input on the front panel is balanced XLR with phantom power.

LIST DRIVERACK-PA .....749.95

**CALL FOR PRICE**



## **dbx Driverack 4800EQ & Loudspeaker Management System**

The DriveRack 4800 is the flagship of the next generation of the famous DriveRack family, with 4 inputs and 8 outputs with both analog and AES/EBU XLR connectivity and a CobraNet option for large installations. The 96 kHz DSP engine is capable of offering signal routing, EQ, and bandpass filters, classic dbx® Dynamics, feedback suppression and also insert processing, all with extremely low latency and extended frequency response. It has full color, intuitive front panel controls, an easy to use GUI and optional wall panel controllers.

LIST DRIVERACK-4800 .....4999.95

**CALL FOR PRICE**



## **dbx ZONEPRO Series Digital Zone Processors**

ZonePro digital zone processors provide flexible signal routing, DSP processing, and multiple control interfaces for commercial audio applications. Designed for superior performance and flexibility, they offer Euroblock connectors for balanced signals and RCA connectors for consumer equipment. The routing module provides primary source selection and source ducking for paging & priority override. Other features include gain control & EQ on all inputs, AutoWarmth for low-frequency extension, and a multitude of DSP options. ZonePro 1260 & 1261 offer more inputs & outputs as well as Ethernet control options. The ZC-series controllers provide smart control options for any application.

LIST ZONE-PRO-640

6 inputs/4 outputs w/ panel controls..1299.95

LIST ZONE-PRO-641

6 inputs/4 outputs .....1099.95

LIST ZONE-PRO-1260

12 inputs/6 outputs w/ panel controls1799.95

LIST ZONE-PRO-1261

12 inputs/6 outputs .....1599.95

ZC-1 .....Volume control attenuator.....79.95

ZC-2 .....Volume & mute control.....79.95

ZC-3 .....Source/scene/paging control.....89.95

ZC-4 .....Source control / program change .....99.95

ZC-6 .....Programmable volume control, push button up/down.....79.95

ZC-7 .....Programmable push button page control.....89.95

ZC-8 .....Programmable source/push button volume control .....89.95

ZC-9 .....Source control .....89.95

ZC-BOB .."Home run"/parallel wiring hub breakout box .....119.95

ZC-FIRE ..Muting/source control for fire safety/ alarm system .....99.95

**CALL FOR PRICE**



# SPEAKER PROCESS CONTROLLERS AND DELAYS



## QSC DSP-30 2.2 XLR Digital Processor

The DSP-30 combines easy-to-use, customizable, two-channel digital signal processing (DSP) with a simple mode selection interface that requires only two buttons. It can be used with all amplifiers. Sampling frequency is 48 kHz with 24-bit resolution. Dynamic range is greater than 95 dB. The DSP-30's powerful processor enables a wide range of signal processing functions including (per channel configurable) crossovers, EQ, time delay, tone or noise generation, mixing, or subsonic filters. The DSP-30 is as flexible as your system's needs. Simply use the powerful PC-based Signal Manager software to easily configure multiple processing functions and signal flow with "drag-and-drop" tools. The DSP-30 provides eight fully configurable user presets.

LIST PRICE ..... \$530.00  
**DSP30-QSC ..... \$530.00**

**CALL FOR PRICE**



## RANE RPM Series DSP Control Processors

The RPM 88, RPM 44, and RPM 22 are 100% drag and drop configurable DSP-based devices, set up and controlled using Rane's new Drag Net software. Industry standard 10Base-T Ethernet is used to communicate between Drag Net devices and any ethernet equipped PC running Microsoft Windows. Drag Net offers the ultimate in signal processing flexibility, allowing you to draw the system you need without signal flow restrictions. All I/O, including the AES3 I/O, has its own, 100% user-defined signal processing path. The RPM's analog balanced, studio-grade analog inputs (selectable mic or line level), feature software-controllable mic preamps with an equivalent input noise (EIN) of -128 dBu, satisfying even the most demanding audio applications. Euroblock connectors are provided for audio I/O, logic I/O and the RW 485 port. Grounding screws for direct connection to the metal chassis are provided for solving EMI problems due to shield wiring. Also found on the rear panel are standard XLR-type connectors for the AES3 I/O, an RJ-45 ethernet connector for computer control and an IEC AC power input.

LIST PRICE ..... \$1249.00  
**RMP2 ..... DSP processor 2x2 line level ..... \$1249.00**  
*DSP processor w/o AES inputs*  
**RPM2M ..... RMP2 with mic/line ..... \$1249.00**  
*level inputs w/o AES*  
**RPM22 ..... DSP processor 2x2 I/O channels ..... \$1249.00**  
**RPM26Z ..... DSP processor 2x6 I/O channels ..... \$1199.00**  
**RPM44 ..... DSP processor 4x4 I/O channels ..... \$2149.00**  
**RPM88 ..... DSP Processor 10 I/O channels ..... \$3499.00**  
**MRS4 ..... Memory recall switch ..... \$85.00**  
**LR54 ..... Level recall switch ..... \$99.00**  
**VR2 ..... Volume remote ..... \$42.00**

**CALL FOR PRICE**



## Sabine Power-Q

This two channel multi-processor combines the functions of 9 separate products in one easy to use 2U package. Features include a 31 band graphic equalizer, 12 band FBX Feedback Extremator, RTA with reference mic in, 12 band parametric equalizer, full featured compressor/limiter and noise gate/expander and digital delay. The automatic FBX and room EQ and the intelligent EAR feature, which removes constant ambient rumblings from the system EQ, speed setup times. A slave unit for computer control and a digital input output upgrade are available as options.

LIST PRICE ..... \$1799.95  
**POWER-Q ..... 2-channel unit ..... \$1799.95**  
**PQSLAVE ..... 2-channel slave unit ..... \$1549.95**  
**DA-I/O ..... Digital I/O option ..... \$409.95**

**CALL FOR PRICE**



## SHURE DFR11EQ5 DSP Processor

A computer controlled digital equalizer with limiter and delay in a compact 1/2 rack unit. DFR software runs on Windows platforms and is required to set parameters. Both 1/4" and XLR in and out, 9-pin D-Sub RS232 connection and DIN loop through connections. Features include 10 notch filter automatic feedback reduction, 10-band parametric EQ or 1/3 octave graphic EQ, 10 onboard scene presets.

LIST PRICE ..... \$780.00  
**DFR11EQ5 ..... DSP processor ..... \$780.00**  
**DRS10 ..... Digital remote switch ..... \$176.67**

**CALL FOR PRICE**



## SHURE P4800 Sound System Processor

Designed for flexible, reliable, back-end signal processing in both installed audio systems and professional live sound applications in Houses of Worship, Theaters, Clubs, Conference Rooms, and Meeting Halls. It features a 4X8 matrix mixer with flexible drag-and-drop processing blocks, and includes processing blocks for automatic feedback reduction, equalization, crossovers, compression/limiting, automatic gain control, gating, and digital delay. Other features include 4-analog inputs, 8-analog outputs, Phoenix block connectors, a universal switching power supply, and 128 on-board presets. The DRS-10 Digital Remote Switch provides remote access to 10 presets stored onboard the P4800. Requires Windows PC system w/serial port or USB-to-serial adapter.

LIST PRICE ..... \$2665.01  
**P4800 ..... Digital system processor ..... \$2665.01**  
**DRS10 ..... Digital remote scene switch ..... \$176.67**

**CALL FOR PRICE**



## SHURE DFR22 Audio Processor with Feedback Reduction

Using Shure's drag and drop control software, the DFR22 provides an effective 2X2 audio processor at an affordable price point. Features include; automatic feedback detection and reduction, parametric, graphic & shelving EQ's, compressor/limiter, automatic gain control, gate/duck & downward expansion, 2-way crossover w/subwoofer processor, delay processor, 2X2 matrix mixer & splitter. The software allows complete control of all parameters, and systems can be saved to disc for job site loading. I/O includes XLR & pin block inputs/outputs, control input, RS232 input, and Shure-Link I/O.

LIST PRICE ..... \$999.00  
**DFR22 ..... \$999.00**

**CALL FOR PRICE**



## Symetrix 322 DSP Engine

A breakthrough price for small installed sound systems. Two inputs and two outputs and 24-bit DSP provides all the processing needed between a mixer and power amplifier. Using AudioWork-space Designer in a Windows computer custom setups can be created with drag and drop. Parametric EQ, high-pass, low-pass and shelving filters, crossover, mixer, alignment delay, bus routing and multi-band comp/limiter functions. Control includes four user contact closure presets, remote analog control or four internal parameters including volume, RS232 and RS485. Half-rack sized with screw terminal I/O.

LIST PRICE ..... \$599.00  
**322-SYMETRIX ..... DSP engine ..... \$599.00**  
**RM3-SYMETRIX ..... Rack Panel ..... \$27.00**

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# CROSSOVERS



## ART 311 2-way Crossover

A stereo 2-way or mono 3-way crossover with 24dB/Oct filters. Both XLR and 1/4" TRS connectors on the rear. Both the high pass and low pass filters have mute switches. The tuning range is 80 to 9.2kHz. Phase and CD horn boost curve switching is available. Now features a separate controllable subwoofer output. LIST

311-ART.....129.00

**CALL FOR PRICE**



## ASHLY XR Series Active Crossovers

All Ashly crossovers are based upon the same powerful state-variable filter circuit, which guarantees that two adjacent frequency band outputs always remain in phase. They feature variable continuous tuning, a response control, and a unique output stage which maintains low noise at any level setting. These models also include a 200:1 tuning range, output mute switches, and both TRS and XLR connectors, 24dB/Octave slopes, output mutes, 20Hz third order high pass filter, and come with a five year warranty. LIST

XR1001.....Stereo 2 way / Mono 3 way.....429.00  
XR2001.....Stereo 3 way / Mono 4 & 5 way.....649.00  
XR4001.....Stereo 4 way.....759.00

**CALL FOR PRICE**



## BEHRINGER CX3400 Super X Pro Stereo Crossover

The CX3400 is an active frequency crossover enabling 2 or 3-way stereo or even 4-way mono operation. Each band features two 24-dB Linkwitz-Riley filters, as well as individual IGC limiters (with phase reverse), while the integrated delay enables flexible time alignment. Polarity switches for each output allow quick and easy runtime compensation for various driver and horn types. Also features a 25 Hz subsonic filter per input, low sum out for subwoofers, and switchable EQ for constant directivity horns. I/O are gold plated balanced XLR connectors. LIST

CX3400.....159.99

**CALL FOR PRICE**



BEHRINGER developed the CX2310 in response to the call for a professional yet easy to use crossover. With state-of-the-art circuitry such as ALPS potentiometers, ultra-low noise op amps and fully balanced inputs and outputs, the CX2310 offers absolute precision and control. Additionally, the Super X Pro CX2310 features a separately adjustable subwoofer output, to allow either 2-way stereo or 3-way mono operation. Other features include state variable Linkwitz-Riley filters, flat summed amplitude response, and a phase reverse switch for each output. LIST

CX2310.....109.99

**CALL FOR PRICE**



## dbx 223/234 Crossovers

These crossovers allow either stereo or mono configurations. All feature a summed subwoofer output, phase reverse switch, individual level controls, 24dB per octave Linkwitz-Riley filters, and mode indicator LED's. 2 year parts and labor warranty. 'XL' versions have XLR balanced I/O connectors. LIST

223-DBX.....Stereo 2-way/Mono 3-way.....206.95  
234-DBX.....Stereo 3-way/Mono 4-way.....269.95  
223XL-DBX.....Stereo 2 way/Mono 3-way.....242.95  
234XL-DBX.....Stereo 3 way/Mono 4-way.....314.95

**CALL FOR PRICE**



## EV AC ONE Audio Controller

The AC One is more than just a 2/3-way active crossover; it includes processing that improves SPL around the crossover frequency. Features include 2-channel XLR inputs (A and B), unprocessed 2-channel output for expansion, hi/lo XLR outputs for A&B, mono subwoofer XLR output, adjustable crossover, 3-band EQ, low-cut, subwoofer output level, output mutes, and more. LIST

AC ONE.....495.00

**CALL FOR PRICE**



## RANE AC24 Digital Crossover

The AC 24 stereo 4-way Crossover combines conventional analog controls and DSP signal processing. The AC 24 is ideal for those who want the features and accuracy of DSP, but prefer not to use a PC for control. One knob = one function -- no confusion. The AC 24 combines Rane's exclusive phase compensated, 4-way Linkwitz-Riley-Plus crossover filters with independent time delay and limiting for each output. Inputs are 1-XLR per channel, and outputs are 4-split & 1-sum XLR per channel. All connections are active balanced. LIST

AC24.....999.00

**CALL FOR PRICE**



## RANE AC22B/AC23B State Variable Time Correcting Crossovers

Built in 2ms delay sets these crossovers apart. It allows for driver phase alignment. They also feature 24dB per octave Linkwitz-Riley filters, individual band muting switches, and internal configuration switching. I/O is via active balanced XLR connectors. LIST

AC22B.....Stereo 2-way/Mono 3-way.....449.00  
AC23B.....Stereo 3-way/Mono 4 or 5 way.....559.00

**CALL FOR PRICE**



## RANE SAC22 Stereo 2-way Crossover/SAC23 Stereo 3-way Crossover

Rane crossovers are legendary in the audio industry and these two crossovers carry on the tradition. Accurate 31 position crossover frequency selector keeps left and right channel crossovers identical. 24 dB per octave Linkwitz-Riley filters guarantee in-phase outputs. Separate Mono subwoofer output with front panel control. Balanced XLR inputs and outputs. Internal power supply. LIST

SAC22.....Stereo 2-way crossover.....299.00  
SAC23.....Stereo 3-way crossover.....399.00

**CALL FOR PRICE**

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- CONTRACTORS
- AV DEALERS
- RETAILERS
- SYSTEM INTEGRATORS
- SECURITY INSTALLERS

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