

# LOADING DOCK

## TC Electronic XO24 Loudspeaker Manager

[www.tcelectronic.com](http://www.tcelectronic.com)

The TC Electronic XO24 is a digital loudspeaker management controller with flexible routing. In addition to two inputs and four outputs, it offers a routing engine that sends any input to any output. Each

signal path includes crossover filters, four-band parametric EQ, delay, limiting, and an additional four-band "Speaker Tuning" parametric EQ.

All functions of the XO24 are directly accessible via a "one-click" user interface on the front panel. The unit also includes 20 factory and 100 user presets.



## Allen & Heath PL10 Interface, Software

[www.allen-heath.com](http://www.allen-heath.com)

The Allen & Heath PL-10 compact mixer interface is for use with the company's iDR range of programmable DSP distributed audio products. A new version of iDR System Manager software is also being released.

Similar to the PL-6 fader panel, the PL-10 offers eight rotary encoders, LED ladders, and 16 configurable switches that make it possible to mix live events within the iDR system. The new software (version 3.5) supports the PL-10, including the ability to program personal monitor and foldback mixing.



## Community Tandem Drive2 Loudspeakers

[www.loudspeakers.net](http://www.loudspeakers.net)

The Community Tandem Drive2 Series of portable loudspeakers includes two full-range models that can be combined with either of two subwoofers. The two subs - TD215S with two 15-inch drivers and TD218S with two 18-inch drivers - can be topped off with either the TD212 or the TD215 (full-range, two by 12-inch and two by 15-inch cone-woofer-loaded, respectively) using steel mounting poles.

Each Tandem Drive2 enclosure is protected with TufCoat finish and includes ErgoGrip handles. The low-frequency drivers offer the company's patented Cool-Coil technology. All also include DynaTech protective circuitry. Both full-range loudspeakers are bi-ampable without the need for an external crossover and include a midrange cut-boost switch. Several rigging/mounting options are available.

## dbx DriveRack 4800 System Processor

[www.dbxpro.com](http://www.dbxpro.com)

The dbx DriveRack 4800 is outfitted with 96 kHz processing engine and standard digital I/O. It offers selectable DSP inserts on the inputs and outputs, considerable EQ, delay, dbx compression and limiting, bandpass and crossover filters. An ergonomically designed front-panel includes full color screen.

Utilizing four analog and AES/EBU inputs, with eight analog and AES/EBU outputs, the DriveRack 4800 incorporates Harman's new HiQnet protocol. A HiQnet control backbone can be used to monitor and control signal routing as well as the processing of multiple DriveRack 4800 units from various locations via standard Ethernet equipment including routers and wireless access points.



## Avlex MIPRO MI-808 Wireless IEM System

The MIPRO MI-808 wireless in-ear monitoring (IEM) system, distributed by Avlex, includes a UHF-band stereo receiver and transmitter. The system is frequency-agile over a 24 MHz bandwidth with 16 selectable pre-programmed non-interference frequencies.

The MI-808 receiver utilizes dual-antenna true diversity that helps prevent signal dropouts and enhances signal stability. The receivers operate in user-selectable mono or stereo output modes and also provide selectable limiting for aural protection. Three choices of "ear buds" are offered, and a durable magnesium alloy case is also supplied.

[www.avlex.com](http://www.avlex.com)



## Meyer Sound MILO Expansion

Meyer Sound has expanded the MILO curvilinear line array line by offering three coverage patterns. The new MILO 60 provides a 60-degree horizontal pattern, while the new MILO 120 extends coverage to 120 degrees horizontal by 20 degrees vertical (nominal). The original MILO offers a 90-degree horizontal pattern.

[www.meysound.com](http://www.meysound.com)



All three MILO versions are self-powered, four-way systems. Peak output is 140 dB SPL for MILO and MILO 60, and 138 dB SPL for MILO 120. All share the same frequency range of 60 Hz to 18 kHz, with extended upper range provided by a dedicated very-high-frequency section (4.2 kHz to 18 kHz) that utilizes multiple 2-inch diaphragm compression drivers. The three models can be configured in mixed arrays of one or more types, or used in homogenous arrays of a single type.

## FBT PSR Series Loudspeakers

The FBT PSR Series of active, powered loudspeakers includes five models, with three more models scheduled to be released later this year. The series includes full-range loudspeakers with varying coverage pattern, as well as a subwoofer and floor monitor.

All offer the company's HDD (High Dynamic Device System), an "intelligent" amplification system that combines PWM low-frequency amplifiers and Class-G high frequency amplifiers along with proprietary digital signal processors, with system control via a PC and dedicated software. A wide range of parameters can be controlled, including time domain equalization, frequency domain equalization, dynamic low frequency equalization, delay times, volume and energy control, on/off, input sensitivity, and user memory presets.

[www.fbt.it](http://www.fbt.it)



## Midas Siena Mixing Console

[www.midasconsoles.com](http://www.midasconsoles.com)

The Midas Siena is a mixing console available in six frame sizes, ranging from 24 to 64 channels. Siena offers 16 dedicated aux sends that can be configured as stereo pairs if required. It offers the same low-noise microphone preamps and four-band EQ section found on the Midas Verona.

Other capabilities include switchable insert points on all outputs, and a solo tracking system that allows the solo outputs to be shown on the Klark Teknik Helix EQ system.

## Eventide H8000A Ultra-Harmonizer Processor

[www.eventide.com](http://www.eventide.com)

The Eventide H8000A Ultra-Harmonizer is an eight-channel processor with four channels of 24-bit analog I/O with a dynamic range of greater than 110 dB as well as four channels of AES/EBU, ADAT and S/PDIF, all 24-bit. It comes loaded with nearly 1,500 of the company's preset algorithms.

MIDI Virtual Racks offer up to five stereo or mono effects processors combined, allowing up to 50 individual parameter settings to be linked to 10 preset parameter changes, within the preset-algorithm, and without any program change latency. Users can modify the preset-algorithms or create their own unique algorithms using the front panel or the VSIG shareware PC graphic editor/development tool, available at the company web site.





### TAPCO Blend 6 Mixer

[www.tapcogear.com](http://www.tapcogear.com)

The TAPCO Blend 6 is a six-channel analog mixer with two high-headroom, low-noise microphone preamps. It also offers two mono mic/line/instrument channels, two stereo line channels and a two-band EQ per channel.

The Blend 6 feature set is rounded out with 48-Volt phantom power, two aux sends, an eight-segment LED metering, as well as separate phones and control room levels.

### Nady U-1000 Series Wireless Microphone Systems

[www.nady.com](http://www.nady.com)

The Nady Systems U-1000 Series includes two versions of UHF PLL synthesized wireless microphone systems, which operate at 600 MHz to 900 MHz, utilizing 25 MHz bands to cover the 1,000 optional channels. AutoSearch scanning finds available clear channels and the company's proprietary AutoTransfer function provides automatic download of set-up information data from receivers to transmitters via a supplied USB cord.

The U-1000 is a single 1U receiver, while the U-2000 includes dual receivers in the same 1U size, for use with two U-1000 transmitters. A choice of interchangeable transmitters is available, including the UH-1000 handheld and the UB-1000 lavalier/headset mic and instrument bodypack. All of the transmitters use AA batteries and provide multi-function LCD displays and function keys.



### FiberPlex LightViper 1808 Digital Audio Snake

[www.lightviper.com](http://www.lightviper.com)

The FiberPlex LightViper 1808 is a bi-directional digital snake system using fiber optics. It consists of two 1U electronic rack-mount units (VIM-1808 and VIM-0808) and a requisite fiber optic cable. The VIM-1808 accepts either four AES3 digital inputs or eight line level analog inputs. The outputs consist of four AES3 digital outputs and eight line level analog outputs.



The VIM-1808 offers both clock input and output, while the VIM-0808 offers clock output only. In addition, the VIM-1808 will facilitate RS422 serial data control along the same fiber optic cable with the addition of an optional dongle.

### Shure PGX Series Wireless Systems

[www.shure.com](http://www.shure.com)

The Shure PGX Series offers eight wireless system options, divided between handheld and bodypack transmitters. Microphone element choices include PG58, SM58, Beta 58A, and SM86 condenser. Bodypack options include the PGX guitar (for guitar and bass) PGX lavalier vocal (with SM93), PGX instrumentalist (with Beta 98), and PGX headworn vocal (with WH20). Transmitters provide eight hours of continuous operation from a pair of AA batteries.

PGX systems offer the company's proprietary, microprocessor-controlled Predictive Diversity reception and full frequency agility across an 18 MHz bandwidth. Up to nine systems can be operated simultaneously per band, with the option of operating 12 systems by using multiple frequency bands. Systems come with padded carrying case.



### Rane MA 4 Four-Channel Power Amplifier

[www.rane.com](http://www.rane.com)

The Rane MA 4 is a four-channel power amplifier providing 100 watts per channel in a 1U chassis, with total weight of eight pounds. The unit offers a universal-voltage, power-factor-corrected power supply. Remote fault reporting and power sequencing are also incorporated.

Automatic internal redundancy switching is included. Advanced dynamics control adjusts for sensitivity setting, load Z and temperature. The MA 4 also offers adjustable high-pass filters and remote level control. A four-channel 70/100-Volt transformer option is available in a separate 1U chassis.



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## JBL DP Series Power/Processing Modules

[www.jblpro.com](http://www.jblpro.com)

JBL DP (DrivePack) Series power modules are outfitted with integral digital signal processing, and are designed to couple with the company's VerTec line array loudspeakers. The VT4888DP three-way mid-size line array element and VT4882DP mid-size subwoofer are the first products available with the DP3 DrivePack unit pre-configured from the JBL factory.

The amplifiers offer sister company Crown's BCA (Balanced Current Amplification) technology, incorporating Class-I circuitry. The units include an auto-sensing Universal Power Supply and a passive, cooling design. The standard input module from dbx provides analog audio inputs and onboard DSP, with the modular

input bay design allowing for insertion of optional networked modules such as the DPCN (CobraNet-compatible) input modules that link seamlessly into Harman's new HiQnet system.

## Radial HS-1 Mic Splitter/Mute Switch

[www.radialeng.com](http://www.radialeng.com)

The Radial HS-1 HotShot is a combination microphone signal splitter and mute switch that allows a vocalist to depress a foot switch to mute his/her mic and redirect the signal to the monitoring system and/or intercom.

The passive floor-box is equipped with XLR mic input, momentary footswitch, and main and monitor XLR outputs. When the switch is depressed, the HotShot turns off the FOH output to allow confidential communication to stage monitors, in-ear monitoring systems and intercom.



## Mackie Onyx 400F FireWire Interface

[www.mackie.com](http://www.mackie.com)

The Mackie Onyx 400F is a 10-channel, 192 kHz-capable FireWire audio interface outfitted with specially designed Onyx microphone preamps as well as on-board DSP matrix mixing. It is intended for live and DAW recording situations. Front panel controls on the Onyx 400F include control-room output level, dual independent headphone outputs with dedicated level control, dual instrument inputs, and four-segment metering for the mic inputs.



The rear panel offers four combo mic/line inputs, balanced TRS sends and returns for the first two mic inputs, four line inputs, eight line outputs, control room outputs, Word Clock I/O, MIDI I/O, SPDIF I/O and two FireWire ports. The Onyx 400F is bundled with Tracktion, the company's recording and MIDI production software, as well as Mackie Final Mix mastering toolkit.

## Yamaha STAGEPAS 300 Portable PA

[www.yamaha.com/proaudio](http://www.yamaha.com/proaudio)

The Yamaha STAGEPAS 300 is a portable PA system with dual compact two-way loudspeakers and an eight-channel (four mono, two stereo) mixer. Each loudspeaker contains an 8-inch woofer and 1-inch compression driver driven by a 150-watt (x 2) Class-D power amplifier. Both molded loudspeaker enclosures include pole-mount adaptors and rear compartments that house the mixer, cabling, mics and accessories. An optional case is also available.

The mixer offers balanced XLR connectors, mic/line switches and balanced 1/4-inch jacks, two-band channel EQ and switchable 24-bit digital reverb. RCA connectors with separate level control for a tape recorder or CD player are located on the front panel, plus stereo-out and monitor connections.



## Whirlwind DIRECT-JT DI Box

[www.whirlwindusa.com](http://www.whirlwindusa.com)

The Whirlwind DIRECT-JT is a passive DI box outfitted with Jensen JT-DB-EPC transformer for wide frequency response and commensurate noise rejection characteristics. The 1/4-inch input jacks can be used as "INPUT/THRU" or can be combined with the "COMBINE" push-button to sum stereo feeds to a single channel.



There are also button selects between amplifier/speaker or instrument/line level input signals, while a PAD button engages a 15 dB pad for reducing hot input levels. A REVERSE/IN PHASE button reverses the polarity from pin 2 hot to pin 3 hot for correcting non-standard equipment and mis-wired cables or creating special effects. A ground-lift

switch helps eliminate hum and buzz. It's housed in an aluminum case with recessed switches.