

# AUDIO HORIZONS

New Ideas In Professional Audio From Martinsound

Spring 2002

## Do More With New MAX Products

25 YEARS

Martinsound  
HELPING YOU STAND OUT

Seven great new products join our expanding line of MAX surround solutions, including MonitorMAX, PanMAX and an entire range of budget-conscious, TMH Qualified MAX products.

We are especially excited about our new partnership with TMH Corporation and its president, surround sound pioneer Tomlinson Holman. "TMH Corporation finds solutions to industry-wide problems and makes the results available to manufacturers worldwide to improve their products," comments Tom. "The TMH Qualified logo offers independent assurance that a product is easy to use and interface and has the high quality audio and video. TMH Qualified products often break through performance barriers with unique technology and the Martinsound products live up to this ideal. We are delighted to be working with Martinsound to give a wider market greater access to a comprehensive range of high performance surround solutions."

Tom has designed and engineered five new monitor, pan, interface and setup tools that help studios make the transition from stereo to surround. Friederich Koenig, Holman's business partner and founder of the International Alliance for Multichannel Music (IAMM), adds, "These products

are results of many years of planning and research on the best ways to initialize the surround infrastructure needed to produce commercial surround software with ease. Martinsound's proven commitment to quality surround and their reach into the global marketplace made them a natural choice to expand the availability of these enabling products."

**ManagerMAX** bass manager overcomes the inherent shortcomings of a typical 5.1 speaker system. It adjusts to your choice of monitors, with six variable filters to optimize the transition from the main speakers to the subwoofer, delivering exceptionally smooth bass extension letting you hear what consumers will hear with no compromise.

**FilterMAX** is the LFE filter from ManagerMAX in a standalone unit. It allows you to audition the effect of digital encoders on the LFE channel and makes a great LFE record filter too.

**MicroPannerMAX** 5-channel surround panner gives you the industry standard, three-knob, Holman-designed surround panning circuit used by SSL, Neve, Dolby and others.

**BalancerMAX** systems interface is ideal for interfacing between professional and semi-pro surround equipment. This cost-effective unit converts six channels of consumer level I/O to +4 balanced inputs and outputs.

**CheckMAX** Test Tapes are the easy to use setup tool featuring precise computer-generated signals for



TMH Qualified products join the MAX line

system calibration, speaker location verification, and many other parameter tests.

Designed to augment current stereo mixing and monitoring systems, these TMH Qualified products along with the entire MAX line of surround solutions can maximize the value of your existing production equipment. Contact Martinsound to learn how easy and inexpensive it can be to secure your surround future. ■

## MultiMAX EX Helps Revive The Dead

TALK TO US

Mail the Reader Response  
Phone (800) 582-3555  
[www.martinsound.com](http://www.martinsound.com)

MultiMAX EX multiformat monitor controller was central to the remixing of

two classic Grateful Dead classics, *American Beauty* and *Workingman's Dead*, for 24/96 DVD-Audio 5.1 release. The band's former drummer, Mickey Hart, oversaw the remix projects with his engineer, Tom Flye at the Grateful Dead's Club Front studio, near San Francisco.

Staff engineer Jeffrey Norman comments on the choice of the Martinsound surround monitor controller for Hart's remixes: "We do want to have our room set up for surround sound, and at this point we're not looking at getting a new console since we have a Neve VR Series board. The MultiMAX EX really fit the bill, sounds very good, and it made sense to use it."

Deadheads can expect more surround sound releases from the legendary tape collection, often

referred to simply as The Vault, warehoused at Club Front. "We're going to be doing more surround sound," reveals Norman, who is looking forward to using MultiMAX EX on future projects.

MultiMAX EX offers a comprehensive yet cost-effective solution to any studio wishing to diversify into surround sound by augmenting the monitor section of their console or workstation with the facilities necessary to handle complex surround sound mixes in all popular formats.

Features include precise level control of multiple speaker systems, with solo, mute and dim control. A pink noise generator and individual level trims make speaker calibration easy. MultiMAX EX also adds management of surround encoder and decoder monitoring and downmix compatibility checks.

Learn how MultiMAX EX and the entire MAX range of surround solutions products can help you maximize your investment in your existing equipment by adding the multichannel,



MultiMAX EX and Remote

multiformat functionality you need to stay competitive. Ordering our free Surround Sound Secrets report today and ask about the newly introduced DVD Training Video that presents detailed information on the best methods and practices for producing surround projects. ■

# PanMAX Delivers Surround Panning



Mail the Reader Response  
Phone (800) 582-3555  
www.martinsound.com

## Automated surround panning adds excitement to your mix, but many

mixing consoles and digital audio workstations offer limited functionality when it comes to 5.1 surround sound, let alone address other major surround formats. Martinsound's MultiMAX introduced serious multiformat monitor control, allowing users the ability to mix in a variety of surround formats on their favorite mixing system. But placement of audio in the surround mix was still dependent upon rudimentary group assign and stereo pan controls.

PanMAX, Martinsound's new automated multiformat surround sound panner offers users a sophisticated panning solution. Now, engineers can easily make repeatable complicated dynamic motion and parameter changes in any type of audio production, including film and video post production, music recording, broadcast and live performance sound. And just like MultiMAX, PanMAX works with your favorite mixing system.

Integrated with any existing 8-bus analog or digital console or workstation, PanMAX provides automated pan control for a wide assortment of standard multichannel production formats up to 8 channels wide, including Dolby 5.1 and EX, DTS 5.1 and ES, SDDS, IMAX and IMAX PSE, LCRS

and Quad. And pans done in one mix format are automatically optimized when outputting the mix to different formats.

A base PanMAX system consists of a two input, eight output, dual panner processor and a remote controller. The system is expandable by adding panner processors, providing up to 14 inputs. A single remote can address any panner on the system bus, so the number of remotes can be as few as one or as many as the number of panners in a system. The system offers automated control of sound positioning, storing over 24,000 positions in memory and locking to SMPTE timecode to ensure frame-accurate playback.

The remote control unit features a joystick, three 60mm faders for setting level/vertical, divergence and stereo image width parameters, plus system control keys. A high-resolution LCD screen indicates all system parameters, including joystick, loudspeaker and fader positions, the selected surround sound format, and SMPTE timecode position, as well as the coordinates of the sound position of the processor. panner. The sound positions for all panners and their respective ID numbers may be shown simultaneously.

PanMAX also offers automated frame-accurate step recording of dynamic sound movements, interpolating between the reference points to produce smooth and continuous sound motion. The system provides user selection of various



One PanMAX Remote can control up to 14 panners.

panning curves, auto-mute where no automation is recorded, and an offset function for adjustments against timecode, for example in synchronization with picture actions.

Integrated as a simple standalone surround panning system or as part of a more comprehensive multiformat panning, monitoring and metering package, PanMAX can help you preserve your investment in your studio equipment by adding surround panning functionality to your existing mixing system. ■

# MonitorMAX Joins The MAX Line



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## Digital audio workstation users have inspired a new product. Intrigued

by MultiMAX, DAW users asked for a stereo unit that specifically addressed their unique production environment monitoring needs. Martinsound is pleased to introduce MonitorMAX, a stereo monitor controller that provides much needed stereo source and monitor selection along with talkback functions to any studio environment. Sporting flexible routing to multiple outputs, MonitorMAX can provide solutions for a variety of monitoring needs. Additionally, MonitorMAX may be integrated with any MultiMAX to extend the capabilities of Martinsound's popular multiformat monitor controller, providing a complete surround

monitoring solution for tracking, overdubbing, and mixing.

The MonitorMAX system comprises a 1U rack-mounting unit housing all of the necessary connections and electronics, including a talkback mic preamp, plus a remote controller. The remote features Monitor and Cue routing switches for up to 10 stereo sources, talkback, and level controls, plus an LCD window to display levels, mode information, and Setup menus.

Both professional and consumer level stereo sources are easily accommodated, with eight stereo +4dBu balanced inputs and two stereo RCA inputs. Sensitivity of the RCA inputs is set at -10dBv, but may be adjusted via a Setup menu in 0.1dB increments over a 20dB range, to interface a wide range of consumer equipment.

The Cue and Monitor paths have separate

Continued on next page



MonitorMAX Remote provides crucial monitoring and talkback features for any studio environment.

### Audio Horizons is published semi-annually by:

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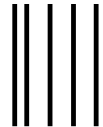
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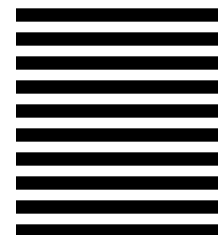
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## Introducing Doug Osborne



**Martinsound**  
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Martinsound is pleased to welcome a new director of sales and marketing. *“Doug’s reputation and experience in this industry promises great things to come for Martinsound and our position in professional audio,”* says company president, Joe Martinson.

*“I’m excited to join a company with such a stellar past, viable product line and innovative plans for the future,”* says Doug, who will lead the company’s sales and marketing efforts for all Martech, MAX and Flying Faders products.

Doug’s experience includes time at BGW

Systems and M+K Professional; the loudspeaker manufacturer specializing in high-end professional surround sound monitor systems. Also a working musician, he lives and breathes multichannel audio and has working knowledge of a wide range of multiformat recording and post production applications.

So whether you’re planning to attract surround production business by upgrading with our MAX products or book more mixing projects by installing Flying Faders automation, Doug’s your man. Call him at (800) 582-3555, extension 121, or send him an email at [dosborne@martinsound.com](mailto:dosborne@martinsound.com).



### MonitorMAX from previous page

banks of source select switches for independent operation. A Setup menu allows source selection for either path to be adding or interlocking (canceling the previous selection), so that any or all inputs may be selected and monitored in the control room or routed to studio headphones or loudspeakers. Mute, Dim and Mono switches are provided for the Monitor Source section, together with switch selection of an alternate pair of control room monitors, while the Cue Source section includes a Mute switch.

Separate rotary controls adjust the levels of the Cue and Monitor outputs. Alternatively, when

talkback is engaged the rotary controls adjust the talkback levels to the Cue and Monitor outputs. The Monitor rotary control is also used for navigating menus and setting parameters.

Multiple talkback routing options allow MonitorMAX to be used in a variety of situations. Along with the easy-to-reach Talkback switch, two additional talkback switches may be connected. The talkback switches can be individually enabled and each provide different routing via a Setup menu. When activated, the talkback mic is routed accordingly and while dimming the outputs 20dB.

Designed for integration with DAWs, small

mixers, and as an enhancement to surround sound systems utilizing a MultiMAX multiformat monitor controller, MonitorMAX provides the essential monitor and talkback functions needed to get the job done without the real estate of a mixing console.

Maximize your investment with Martinsound’s MAX Solutions. Added individually or in any combination, the MAX range augments any stereo production system to cost-effectively add multichannel and multiformat panning, monitoring, formatting and metering without the need to replace existing equipment.

## Flying Faders Is Flying High



Mail the Reader Response  
Phone (800) 582-3555  
[www.martinsound.com](http://www.martinsound.com)

We’ve seen a great upswell of interest in Flying Faders upgrades recently. It can be really hard to give up work habits, monetary investments, or great sound, and a Flying Faders Just Mix upgrade can help preserve all of these in your classic console.

Mr. Ray Charles has chosen to rejuvenate his Quad 8 console with Flying Faders automation; Larrabee East in Hollywood is outfitting not one but two classic Neve desks (replacing an existing automation system in one) with Flying Faders based on client demand; and Jam Productions, Martina McBride’s studio in Nashville, is upgrading their

Neve 8078 with Flying Faders automation.

As more productions are done in the all-digital realm the value of a full-bandwidth console has never been better appreciated, and nothing brings more life to your existing console investment than Flying Faders.



2. Fold This Panel Down

# AUDIO HORIZONS

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New Ideas In Professional Audio From Martinsound

Martinsound helps its customers stand out in professional audio by designing, manufacturing, selling, and renting innovative and superior audio products.

Change Service Requested

## Reader Response



**Martinsound**  
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Audio Horizons | Spring 2002

To stay on our mailing list or request information, please fill out this form. Cut off this back page, fold it so "Business Reply Mail" shows, tape closed, and mail it!

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- Continue to send me this newsletter, Audio Horizons.
- Send me your E-Newsletter: Brief news of interest to audio pros
- I want to join the Flying Faders Users' Group

**Send me a free Report:**

- Surround Sound Secrets
- How The MSS-10 Takes Hassles Out Of Tracking and Mixing

**Send me product information on:**

- MultiMAX EX Multifomat Monitor Controller
- ForMAX Surround Monitoring Formatter
- VuMAX Precision VU metering
- PanMAX Automated Surround Panner
- RecordistMAX Machine Room Monitoring Controller
- MonitorMAX Stereo Monitor Controller
- ManagerMAX Surround Bass Manager
- BalancerMAX Surround Systems Interface
- FilterMAX LFE Filter
- MicroPannerMAX 5 Channel Surround Panner
- CheckMAX Test Tapes
- MSS-10 Natural Sound Microphone Preamplifier
- Flying Faders Moving Fader Automation
- ACX Flying Faders Console Expander

**1. Please check ONE that best describes your job:**

- President/Owner
- Facility/Studio Manager
- Chief Engineer
- Staff Engineer/Technician
- Independent Engineer/Technician
- Producer
- Musician/Artist
- Sales
- Administrator
- Other: \_\_\_\_\_

**Post Production**

- TV/Radio
- Film
- Video
- Advertising

**Sound Reinforcement**

- Production
- Contractor/Installer
- Venue/Facility

**Institutional**

- Education/Training
- Government
- Other: \_\_\_\_\_

**Mastering/Authoring**

- DVD-A
- DVD-R
- DVD-V
- Other: \_\_\_\_\_

**Other Business:** \_\_\_\_\_

**Multi-Media**

- Games
- Interactive
- Internet

**Equipment**

- Manufacturer
- Dealer
- Rental

**3. Please check your level of purchasing authority:**

- Authorize
- Specify
- Influence/Recommend
- End user

**4. Please indicate the annual budget for audio equipment for your business:**

- Under \$25,000
- \$25,000 to \$75,000
- \$75,000 to \$300,000
- Over \$300,000

**Broadcast Production**

- TV
- Radio
- Remote

1. Fold This Panel Up

Cut Here