



### MicroPannerMAX

Need an economical way to add five-channel panning to your existing mixing console? MicroPannerMAX gives you straightforward, three-knob, surround panning. No bells and whistles here... just the industry standard panning circuit used by SSL™, Neve™, Dolby™ and others!

### ManagerMAX

Done right, bass management overcomes the shortcomings of typical 5.1 systems. Only ManagerMAX 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. The defeatable LFE filter allows auditioning the effect of encoders.

### FilterMAX

The LFE filter in ManagerMAX is also available as a standalone unit. FilterMAX allows you to audition the effect of digital encoders on the LFE channel and makes a great LFE record filter, too! The seventh order low-pass filter is as close as you will get to digital brick-wall filtering in the analog world.

### BalancerMAX

Ideal for interfacing between professional and semi-pro surround equipment, cost effective BalancerMAX converts six channels of consumer level I/O to +4 balanced inputs and outputs. Extra headroom and newly patented balancing circuits perform to the MAX!

### CheckMAX

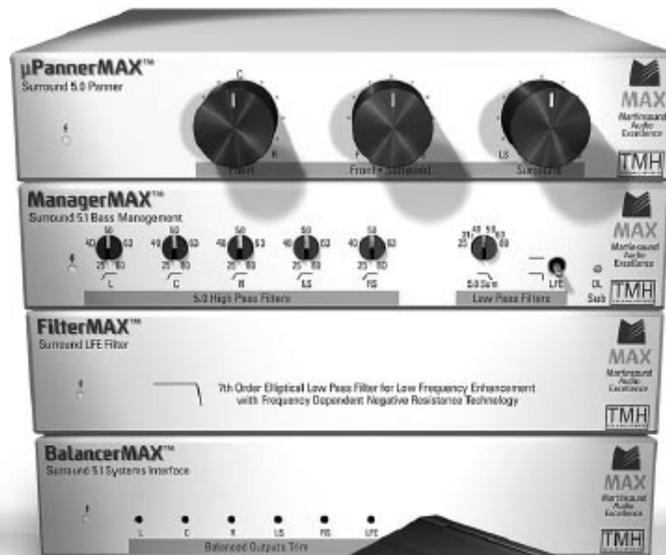
The perfect monitor setup tool, CheckMAX tapes feature precise computer-generated signals for system calibration, speaker location verification and many other parameter tests. Surround setup becomes so easy your mother could do it!

### Free Surround Sound Report

With the right information you can confidently add surround sound capabilities to your production environment. Request your free copy of Surround Sound Secrets. Phone us now at (800) 582-3555 or visit our website at [www.martinsound.com](http://www.martinsound.com).



## MAX Surround Solutions



## TMH® Qualified MAX Surround Solutions

### Affordable State-of-the-art Surround Sound Tools

Martinsound MAX products are surround sound solutions designed to secure any studio's future by augmenting current stereo mixing and monitoring systems, maximizing the value of existing production equipment through the addition of multichannel capabilities. Working in conjunction with the TMH Corporation and Tomlinson Holman, the architect of the TMH Qualified standard, Martinsound is proud to introduce to the MAX line a series of affordable TMH Qualified modular units, each designed for a specific application. Whether used singly, cascaded together using the six-channel link connectors, or complementing other MAX products, these compact 1U half-rack units make a great addition to any surround sound system.

#### TMH ManagerMAX Surround 5.1 Bass Management

Bass management is critical in overcoming the inherent shortcomings of low frequency reproduction in typical 5.1 listening environments. Even in the control room, high-end full range monitors may benefit from the redirection of subsonic information to a subwoofer that is positioned for optimal low frequency reproduction at the mix position. And as every home theater system 5.1 decoder incorporates bass management, it is critical to utilize it during the production process.

ManagerMAX does bass management right, utilizing five continuously adjustable 2nd order high-pass filters that work synergistically with the natural roll-off of your speakers, along with a six-position 4th order low-pass filter for the redirected low frequencies. A defeatable LFE filter is included that emulates the typical brick-wall filtering in digital surround encoders, making it easy to audition the effect of the LFE encoding process. The redirected bass and LFE channel are summed, giving consideration for the in-band gain required for the LFE, making it a snap to setup the subwoofer. Accurate 5.1 surround sound monitoring is an easy reality with ManagerMAX.

#### TMH BalancerMAX Surround 5.1 Systems Interface

BalancerMAX provides level matching for 5.1 applications, making it ideal for combining pro audio and prosumer equipment in surround sound systems. Extra headroom and dynamic range that easily meets the most demanding production requirements makes the affordable BalancerMAX the perfect choice for dubbing stages to project studios.

A simple tool designed for multiple uses, BalancerMAX gives you six channels of +4dBu/-10dBv and -10dBv/+4dBu interface. The fully balanced +4dBu inputs and outputs appear on industry standard DB25 connectors while the single-ended -10dBv inputs and outputs appear on six-channel link connectors. With BalancerMAX at the beginning and/or end of a chain of cascaded TMH Qualified MAX units, typically redundant circuitry is minimized and allows all units to be easily used in a wide range of production environments. And the -10dBv/+4dBu interface provides precision level alignment from the front panel, enabling currently available DVD players to playback at reference level in a professional environment.

#### TMH MicroPannerMAX Surround 5.0 Panner

The multichannel panning limitations of many analog consoles can now be economically overcome with MicroPannerMAX. The straightforward three-knob design uses one knob to pan between the three front channels, another to pan between the two surround channels, and a third for panning between the front and surround channels, making placement and dynamic pans a breeze when mixing in surround. Utilizing the six-channel link connectors to cascade multiple units, no more than five return inputs are ever needed on your mixing console. MicroPannerMAX will strengthen your position in the surround sound market.

#### TMH FilterMAX Surround 0.1 LFE Filter

FilterMAX, a standalone version of the LFE filter in ManagerMAX, can be used for recording and monitoring. Aligned to match the LFE filter found in digital encoders, FilterMAX allows one to check the correlation of post-encoded LFE content to the main audio channels when mixing.

The 7th order elliptical type filter employs a frequency-dependent negative resistor ladder that uses active parts to replace the traditional LCR circuit. This advanced topology is preferred in high order filters due to its low sensitivity to variations in component values, while exhibiting minimal ripple (+/-1dB) with fantastic cut-off. Enhanced circuitry delivers low distortion with 22dB of headroom, a signal-to-noise ratio greater than 100dB, and dynamic range in excess of 120dB. And the unique patented balanced input circuit maintains high common-mode rejection even with sources that cause other transformerless designs to exhibit poor rejection.

#### TMH CheckMAX Surround Alignment and Diagnostic Tools

Also available from Martinsound are TMH Qualified CheckMAX alignment and diagnostic digital tapes. Featuring mathematically precise computer-generated signals for surround system calibration, imaging verification, headroom testing and other parameter tests, CheckMAX is a must for getting surround setups right.

### About Tomlinson Holman and TMH Corporation

Tomlinson Holman's distinguished career in audio, video and film spans over 33 years, during which he has been awarded numerous U.S. and corresponding foreign patents that have been licensed to over 45 companies. He and computer engineer Friederich Koenig founded TMH Corporation in 1995 to develop the next 20 years of entertainment technology. TMH conducts research and licenses technology to companies that market products that conform to the rigorous demands of the TMH Qualified Standards.

### The MAX Family of Solutions

Martinsound's MAX family of multichannel and surround solutions can be added in any combination to your existing production system to extend its capabilities, allowing you to diversify and attract more business. So, whether you require a specific standalone solution or want to increase the capabilities of a comprehensive music recording, post production, or broadcast surround sound system, TMH Qualified MAX products help you preserve your existing investment. Phone us now at (800) 582-3555 or visit our website at [www.martinsound.com](http://www.martinsound.com) for more information on the MAX family of surround solutions, including:

#### MultiMAX EX

Multiformat Monitor Controller

#### PanMAX

Automated Surround Panner

#### ForMAX

Surround Monitoring Formatter

#### MonitorMAX

Stereo Monitor Controller

#### RecordistMAX

Recorder Monitor System

#### VuMAX

Surround VU Meters

#### ManagerMAX

Surround 5.1 Bass Management

#### BalancerMAX

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#### MicroPannerMAX

Surround 5.0 Panner

#### FilterMAX

Surround 0.1 LFE Filter

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