



# The Professional Audio

SourceBook

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# ALESIS

## M1 ACTIVE MK2

*The M1 Active MK2 combines Alesis' expertise in reference monitor design and studio amplification to provide professional accuracy, clarity and performance in an affordable powered monitor. A bi-amplified reference monitor, the M1 Active MK2 is incredibly accurate with a wide sweet spot, high power handling and detailed high- and mid-frequency response that translates perfectly to any playback system. Ideal for desktop video and post production facilities as well as home and project recording studios.*

- ◆ Attractive mirror-imaged, charcoal-toned cabinet and shielded drivers allow placement next to computer or video monitors, while blending beautifully into your studio's decor without being obtrusive.
- ◆ Can be mounted either horizontally or vertically to fit your studio's requirements.
- ◆ The woofer and tweeter were designed for the most linear, low distortion response. The 6.5" woofer cone is formulated from non-woven carbon fiber. Used in the skins of combat aircraft wings, carbon fiber has more tensile strength and is 25% lighter than polypropylene (the most common driver material). The result is quicker transient response in the low frequency range for superb bass response as well as a vast improvement in the detail of critical upper-mid frequencies.
- ◆ Internal active crossover and custom dual amps ensure consistent performance under different studio conditions and program material. The result is a broad, extremely flat frequency response, clear imaging with a wide sweet spot, high power handling and detailed high- and mid-frequency response.
- ◆ Pure silk 1" tweeter dome's natural response prevents ear fatigue during long mix sessions. It also features an internal pole piece mounted phasing plug and is ferrofluid cooled to maintain the best balance of transient response to power handling.
- ◆ Offers a audiophile-quality 75w woofer and 25w tweeter amp along with 8th order high- and low-pass electronic crossover filters. The crossover point is a low 1500Hz, and produces an extremely wide dispersion zone as well as low midrange coloration.
- ◆ Time alignment circuitry in the tweeter section of the crossover synchronizes frequency output from the high and low drivers avoiding the time smear that's typical in less advanced powered speakers.
- ◆ Dual front-mounted ports provide fast, coherent and extended low frequency augmentation. Also, the unique offset design of the high frequency driver allows for the flattest frequency and power response in a speaker that offers such wide dispersion.



## Monitor One MK2

*An award winning studio monitor, the Monitor One has an extended dynamic range, excellent imaging and transient reproduction, powerful bass and smooth, extended high frequency detail. Ideal for high-quality monitoring in project studios and commercial recording facilities. Exclusive SuperPort speaker venting technology extends low frequency response while eliminating the "choking" effect of port turbulence.*

- ◆ 6.5" polypropylene low-frequency driver with tight, accurate bass response is matched with a 1" pure silk-dome, high-frequency transducer for smooth, accurate detail and response, and a broad sound stage
- ◆ Ferrofluid-cooled, high-frequency driver prevents ear fatigue during long mixing sessions
- ◆ 45 Hz - 20 kHz +/- 3 dB frequency
- ◆ 2kHz crossover point provides a true, flat frequency response for accurate mixes that translate to other playback systems
- ◆ The cabinet has an attractive professional finish, and is a mirror image; left/right pair for symmetrical speaker placement
- ◆ Magnetic shielding allows use next to video and computer monitors
- ◆ Radiused edges for reduced edge diffraction, along with improved porting. Thanks to exclusive SuperPort venting technology, the monitor eliminates the "choking" effect of smaller, shorter ports. The result is a low-frequency response which extends well below comparable near field monitors.



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
(800) 221-5743 • (212) 239-7765 • FAX: (800) 947-2215 • (212) 239-7549

## PROLINEAR 720DSP

### Powered Studio Reference Monitor with DSP Control

Building on Alesis' award winning speaker designs, the ProLinear 720DSP delivers unprecedented accuracy, control, and flexibility for any studio monitor application. The ProLinear 720DSP is a bi-amplified two-way reference monitor with a 7" kevlar woofer and a 1" silk-dome tweeter, with several distinct advantages over traditional studio monitors:

By integrating proprietary 28-bit DSP, the ProLinear 720DSP implements the crossover entirely in the digital domain to provide a precisely controlled response. The ProLinear 720DSP further leverages its digital control to enable users to set and store multiple EQ curves for individual speakers, or for every speaker in the studio. Settings can also be adjusted via the built-in 4-band fully parametric EQ. Additionally, by using the PC interface, users can adjust and set EQ settings remotely from a "sweet spot" listening position. No other monitor offers this degree of control, flexibility, or total performance.



- ◆ Built-in digital crossover and 4-band parametric EQ with 8 pre-sets and 8 user defined settings
- ◆ 24-bit/48kHz processing
- ◆ 80 watts (LF) / 40 watts (HF)
- ◆ Serial interface allows PC control of up to 16 speakers



## PROACTIVE 5.1

### THX-Certified Surround Sound Speaker System

The ProActive 5.1 is equipped with Dolby Digital and DTS hardware decoding for true 5.1 digital sound. The first system to deliver THX-certified surround sound to the professional audio and music industry, the ProActive 5.1 is the ideal solution for the home recording studio, with simultaneous connection to up to four audio sources including PCs, home audio and recording equipment, and other sources such as DVD players and portable audio players.

THX certification involves rigorous testing of sound performance, user interface and construction. All speakers that receive THX certification must meet stringent performance parameters, including: bandwidth, frequency balance, peak sound pressure levels and the ability to play up to their rated output level.

- ◆ THX-certified, 5.1-surround sound system with 450 watts of RMS power.
- ◆ 8" long throw subwoofer driver with a flared bass port for powerful, distortion-free bass.
- ◆ Dolby Pro Logic II for creating realistic 5.1 surround sound from stereo music, movies and games.
- ◆ Digital optical and coaxial inputs, as well as six channel analog inputs, for simple connection to nearly any audio device.
- ◆ System is controlled by a digital console with a wireless remote, for easy adjustment of the speaker controls from anywhere in the room.

# EDIROL

## DESKTOP SPEAKERS

STUDIO MONITORS

580



### DM-5

#### Bi-amp Monitors

Durable, dependable and affordable, expect superior performance from this near-field monitor. 120mm woofer is powered by a 30W amplifier, the 19mm tweeter by its own 20W amp and both have their own level control. In addition to analog input (Speakon, XLR and 1/4" in a single connection), accepts S/PDIF, coaxial and optical digital input and supports 24bit/96kHz data.

- ◆ 120mm LF driver with 30w amp, 19mm HF driver with 20w amp
- ◆ Bass-reflex ducts for rich, bass-range reproduction
- ◆ Digital in and power indicators on the front panel
- ◆ S/PDIF digital inputs (coaxial and optical) support 96 kHz sampling rate and 24-bit D/A conversion

### MA-5A/MA-5D

#### Analog & Digital Stereo Micro Monitors

Bass-reflex system powered speakers in a compact and stylish design, the MA-5A provides a wide range of dynamic sound. The MA-5D is identical but adds a digital input on the front.



- ◆ 5w x 5w, 70 mm full range speakers
- ◆ Equipped with 2 inputs (RCA/stereo mini); you can also mix 2 analog input sources
- ◆ Plug-in a variety of audio devices, such as CD/MD/DVD player and electronic musical instruments
- ◆ Bass, Treble control knobs on front panel

### MA-10A/MA-10D

#### Active Analog & Digital Desktop Monitors



Available in Blue or Black

The MA-10A is a compact active monitor featuring some remarkable specifications as well as a striking contemporary blue or black natural wood finish. Fine wooden cabinets ensure a more defined sound quality. They are magnetically shielded and provide 20 watts of genuine

power (RMS) with bass-reflex enclosure system. It is so important to monitor your audio with a good pair of speakers that can guarantee good dynamic range and frequency response.

The MA-10D offers the same great sound as the MA-10A—plus adds digital input capacity. Listen to any source—analogue or digital. Connect digital sources such as computers, MP3 players, MiniDiscs, DAT machines, CD players and cassette decks. High resolution 24-bit/96 kHz D/A converters provide great detail and impressive dynamics. Impressive performance from a very small package.

- ◆ 10w + 10w stereo amplifier powers both monitors
- ◆ Mini-stereo Line 1, RCA L/R Line 2
- ◆ 2-way bass-reflex enclosure, wood grain cabinet for better sound response (frequency response is 45Hz to 35kHz)
- ◆ Bass, Treble controls and 2 independent line volume

### MA-20D

#### Digital Stereo Near Field Monitors



Designed for the higher-end consumer and hobbyist, the MA-20D speakers are attractive Near-field Monitors with impressive sound capabilities - two 20-Watt amplifiers and a stylish black & silver design. Building on the

widely popular, MA-10 series, the MA-20D's have twice the power and all the style of the MA-10's. They include the same functionality of the MA-10D and MA-10DBK speakers; including Treble & Bass controls, two independent Volume controls, S/PDIF digital input, and a headphone out. Each speaker in a MA-20D pair is individually powered with its own amplifier and have a bigger woofer for a better low-end response.

- ◆ Superb Response for unparalleled sound quality in its price range
- ◆ 20W x 20W power in a 2-way bass-reflex design
- ◆ Power amp in each speaker for uniform stereo sound
- ◆ 4" woofer for good punch and excellent Bass Response
- ◆ 24-bit/96 kHz capable S/PDIF connections



EQUIPMENT LEASING AVAILABLE

# EVENT ELECTRONICS

## 20/20

### *Precision Direct Field Monitors*

*The 20/20 Direct Field Monitor delivers wonderfully clean, accurate, pleasing sound at a price most musicians would consider eminently affordable. Exceptionally reliable, attention to detail permeates every aspect of the design. Custom asymmetrical second-order passive crossover ensures smooth sonic transition from the woofer to the tweeter at the crossover point. The tweeter is recessed to provide flatter frequency response. The diecast aluminum trim ring which minimize acoustic discontinuity between the driver and the cabinet, is also a unique, self-aligning four-point mounting system for the woofer.*



#### *Tweeter*

- ◆ Magnetically shielded, 25mm natural silk dome provides accurate, detailed high frequency reproduction.
- ◆ Internal high frequency pole piece damping element aids in smoothing out the signal, allowing for extended listening periods.
- ◆ For improved reliability, there is a ferrofluid-cooled aluminum voice coil support that reduces heat; a special flexible lead wire minimizes wire fatigue as well as insures consistent performance.

#### *Woofer*

- ◆ The woofer provides smooth, consistent extended-range frequency response without the need of added EQ
- ◆ The driver itself is a magnetically shielded 8" mineral-impregnated polypropylene cone with a highly-damped linear rubber surround
- ◆ It also boasts a 1½" high-temperature voice coil for reliable operation at high power levels

#### *Cabinet*

- ◆ 5/8" laminated MDF cabinet filled with acoustical damping material reduces internal standing waves—a perfect acoustic complement to the transducer components.
- ◆ Front-mounted large diameter low air restriction bass port delivers direct, uncolored low frequency reproduction, even at very high volumes.
- ◆ The port is front-mounted, allowing the speakers to be placed close to walls without compromising the low end response.

STUDIO MONITORS

581

## 20/20BAS

### *Bi-amplified Precision Direct Field Monitors*



*The 20/20BAS puts world-class reference monitoring into the hands of musicians previously shut out by the high cost of those systems. Based on the 20/20 design, which in itself offers exceptional sound, the 20/20BAS takes it to the next level with an active asymmetrical fourth-order crossover—with phase response so accurate that the resulting stereo imaging simply must be heard (make that seen) to be believed. Add the custom 130w amplifier designed specifically for the woofer, followed by the 70w tweeter amp—that's 200 watts of ultra clean power per side, and then independent trim controls for each amplifier, making it easy to adjust the speakers' response to your particular monitoring*

*environment. Simply put, the 20/20 delivers exactly what you want in a reference monitor system: superbly clear, detailed, sound. Flat, uncolored, accurate frequency response. Precise imaging. Non-fatiguing to the ears.*

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# EVENT ELECTRONICS

## PROJECT STUDIO PS5/PS6/PS8

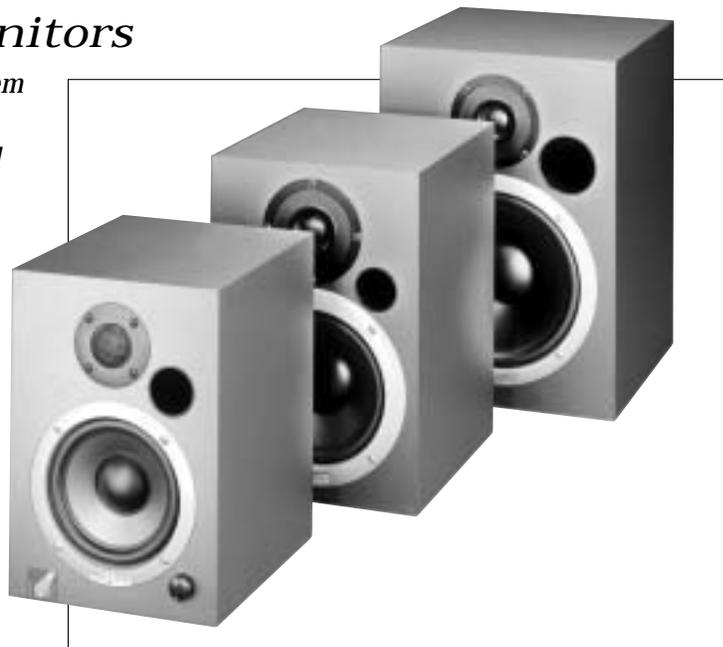
STUDIO MONITORS

582

### *Bi-Amplified Direct Field Monitors*

*It's about confidence. Confidence that your monitoring system is accurate. Confidence that what you're hearing from your speakers isn't being colored. Confidence that your mixes will sound the way you meant them to sound when they get played in the car, or in your living room – or in the office of a record company executive. The Project Studio monitors inspire that confidence, giving you the same precise, accurate sound as the award-winning 20/20 series. Not everyone has the space for full-size direct field monitors. But everyone does have the need for speakers that provide pure, accurate, detailed sound. And that's exactly what you get with the Project Studio series:*

*Full-range, non-fatiguing monitoring in a small profile format. More importantly, PS speakers provide you with monitoring you can trust, so you know that your mixes will sound the same in the outside world as they do in your studio. This is accomplished through the use of custom driver components, as well as amplifiers and electronic crossovers designed specially for those components. The result: Increased dynamic range. Higher SPL. Greater transient response. Improved damping. Smoother phase response. Lower intermodulation distortion. Oh, yes, and great sound.*



### TR5/TR8

#### *Tuned Reference Bi-amplified Direct Field Monitor Systems*



*Like their names intimate, the TR (Tuned Reference) 5 and 8 monitors are precision tuned to provide flat frequency response and uncolored sound, giving you a true sonic reference for mixing. So when you mix on a Tuned Reference monitor, you know your mixes will translate accurately to other playback systems.*

*However, you might think that this level of mix precision comes at a high price. But thanks to a powerful new ultra-efficient amplifier (actually two of them, since these are bi-amplified systems), they are able to bring you high definition, non-fatiguing monitoring at prices so low they're downright silly. But don't let the cost fool you: The TR series monitors are filled with time-tested Event technology, and designed by the same engineering team behind their full line of critically-acclaimed monitors. So pick up a pair of TR monitors today. Your mixes will thank you.*



**ONE HOUR FREE PARKING**

AT 349 W. 34th STREET (with purchase of \$100 or more)

# EVENT ELECTRONICS

	PS5	PS6	PS8	TR5	TR8
<b>LF Driver</b>	5½" magnetically shielded mineral-filled polypropylene cone with high-temperature voice coil and damped rubber surround				
<b>HF Driver</b>	1" magnetically shielded natural silk dome with ferrofluid voice coil coolant	1" magnetically shielded natural silk dome with ferrofluid voice coil coolant	1" magnetically shielded natural silk dome with ferrofluid voice coil coolant	25mm magnetically shielded natural soft dome neodymium with ferrofluid-cooled voice coil	1" magnetically shielded natural silk dome with ferrofluid-cooled voice coil.
<b>Frequency Response</b>	45-39k Hz, 53-19k Hz, ±3dB, Ref 500Hz	45 – 20k Hz, ±3dB, Ref 500Hz	35 – 20k Hz, ±3dB, Ref 500Hz	45-39k Hz; 53-19k Hz, ±3dB, Ref 500Hz	35Hz – 20kHz, ±3dB, Ref 500Hz
<b>Crossover</b>	2.6kHz active 2nd order asymmetrical	2.6kHz active 4nd order asymmetrical	2.2kHz active 4nd order asymmetrical	2.6kHz active 2nd order asymmetrical	2.6kHz active 4nd order asymmetrical
<b>LF Amplifier Power</b>	70W	70W	70W		
<b>HF Amplifier Power</b>	30W	30W	30W		
<b>Noise</b>	>100dB below full output, 20kHz bandwidth, unweighted				
<b>Input Connectors</b>	XLR and 1/4" connector accepts balanced or unbalanced sources			RCA connector; accepts unbalanced sources	
<b>Polarity</b>	Positive signal at + input produces outward LF cone displacement				
<b>Input Impedance</b>	40kΩ balanced, 20kΩ unbalanced				
<b>Input Sensitivity</b>	0.9V input produces full output with Input Sensitivity control at maximum			0.5V RMS input at the balanced ins or 0.25V RMS input at the unbalanced in produces output with Input Sensitivity control at maximum	
<b>Input Level Control Range</b>	20dB	20dB	20dB	20dB	20dB
<b>Dimensions (WHD)</b>	7½ x 10½ x 9"	8¼ x 12½ x 10"	10¼ x 14¼ x 11¼"	7.5 x 10.5 x 9"	10¼ x 14¼ x 11¼"
<b>Weight</b>	16½ lbs. each	23 lbs. each	26½ lbs. each	12.6 lbs. each	24.7 lbs. each

## S250 System Subwoofer

*The S250 Subwoofer is the core foundation of a professional full bandwidth surround sound monitoring system. With a massive 15" driver and 250W of clean, linear power, the S250 effortlessly provides the high SPL low frequency output necessary for multi-channel production work. Why a subwoofer with six inputs (discrete, active, balanced inputs, at that)? The first input is used for monitoring the Dolby Surround LFE (Low Frequency Effects) channel; signals appearing at the LFE input are fed directly to the subwoofer amplifier through a dedicated 120Hz crossover. The other five inputs are for the five mains channels. These signals are summed into an additional bass channel, used to extend the main monitors' frequency response well below their natural roll-off.*



- ◆ The dual input, dual crossover design features three operational modes, allowing you to monitor the Dolby LFE channel, extend the low frequency performance of the mains monitor channels, or do both functions simultaneously.
- ◆ Includes a variable Monitor Blend crossover control, fed by the summed mains signal; use the control to precisely and seamlessly match the subwoofer's high end with the natural low frequency roll-off of the mains monitors.

- ◆ The Variable Phase Control, also fed by the summed signal, allows you to compensate for phase differences that arise from sub /mains-to-listener placement. The result is system-wide low frequency response that is accurate, defined, and completely in your control.
- ◆ This flexibility, along with low frequency reproduction that is simply unrivaled for clarity, definition, and pure, thundering power, makes the S250 the perfect complement to today's direct field monitoring systems—including the 20/20bas, 20/20, and Project Studio models.

# FOSTEX

## PM-1

STUDIO MONITORS

584



### High Frequency Driver

The voice coil is made of super high purity copper wire to achieve very low distortion. The 1-inch soft dome tweeter employs Fostex's UFLC technology (poly urethane film laminated cloth) to achieve lightweight and high stability performance.

### Powered Studio Monitors

Listening correctly doesn't have to be expensive. With 120 watts of biamped power, a bass response that's full and dynamic, and a high end that sizzles, the PM-1 not only delivers astonishing sound—it does so at an even more astonishing price. Consisting of a 6.5" LF driver and a 1" soft dome tweeter, the PM-1 offers an impressive 50Hz to 20kHz frequency response and a biamped output power of 75w+45w @ 8 ohms. The amplifiers are precisely calibrated to match the performance of the drivers

### Low Frequency Driver

The 6.5" LF driver has been developed to output extremely pure music reproduction by employing the latest technology in cone material. The LF cone uses a mixture of cut and milled fibers that are made from aromatic polyamide. It is then impregnated with resins to simultaneously achieve high rigidity and optimum damping. The cone has an olefin film thermally adhered to its surface to control frequency response and to establish long term reliability. The center cap is made of non-wood cellulose material and is also impregnated with resin.

## PM-1 SPEAKER SPECIFICATIONS

### CABINET DIMENSIONS

8.5 x 15 x 11.25" (WxHxD) - includes heat sink

WEIGHT 22.9 lbs.

### FREQUENCY RESPONSE

Free-Field Frequency Response:

50Hz ~ 20kHz ± 2dB

Low Frequency Cutoff: 38Hz (-10dB)

High Frequency Cutoff: 23.5Hz (-10dB)

### ACOUSTIC OUTPUT

Maximum Short Term SPL:

80Hz ~ 3kHz > 105dB SPL @1m

### AMPLIFIER POWER

High Frequency 45w, Low Frequency 75w

### AMPLIFIER DISTORTION

<0.016% THD @ 30 watts/8Ω 20Hz-20kHz

### AMPLIFIER S/N RATIO

>86dB; 20Hz-30kHz not weighted

### POWER REQUIREMENTS

120v AC, 60Hz

### POWER CONSUMPTION

100 watts

## PS-3.1 Powered Monitor System

The PS-3.1 offers a complete 2-way monitoring solution, combining one 5¼" bass reflex subwoofer and a pair of matching shielded satellite speakers with 3" full-range drivers in a compact, affordable package. The subwoofer contains its own 15-watt power amplifier, a crossover network, and two 5-watt power amplifiers for powering the satellite speakers—making the PS-3.1 a self-contained system that fits nearly any studio application without the need for external amplification.

System response is 80Hz-20kHz.



◆ Satellite dimensions are 7¼ x 6¾ x 4¼" (HDW) and weigh 3.7 lbs each.

◆ Subwoofer is 10 x 11¼ x 8¼" (HDW) and weighs 14 lbs.

P95 Right Angle

Mic Stand Adapter.....14.95

P96 Right Angle

Mic Stand/Swivel.....28.95

P97

Wall Mount Bracket.....29.95



EQUIPMENT LEASING AVAILABLE

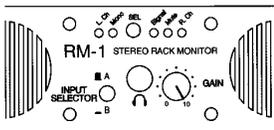
### 1 RU Stereo Monitor

The ideal solution for monitoring in tight industrial environments, the RM-1 is the perfect speaker for machine rooms, VCR monitoring, surveillance, mobile and stationary control rooms,

theme park applications or any other situation where monitoring is required and space is tight. The unit is a 1 rack space high industrial design, utilizing robust construction for around the clock operation. The aluminum front panel has a multitude of user options so that the audio output may be configured for the application at hand.



- ◆ A/B input select switch selects the A or B stereo group to output to the drivers or headphone jack. Rear panel, stereo left and right inputs let you monitor two different stereo sources from one unit.



- ◆ Dual Concentric Volume control can be used to adjust the left or right inputs independently. Front portion of the control adjusts the left channel; the rear portion of the control adjusts the right channel volume.
- ◆ Two stereo balanced +4 dB inputs with four XLR and 1/4" Neutrik combo connectors
- ◆ Front panel stereo Gain control
- ◆ On-board electronic matrix switching for: L Channel only, R Channel only, Mono, Stereo and Mute
- ◆ High intensity multi-colored LEDs for mode tallies
- ◆ Front panel headphone jack with gain control; mutes speakers when used with phones
- ◆ Signal presence indicators change with intensity of audio input
- ◆ Multi-line power conversion with on-board input transformer
- ◆ Two 15-watt in 8 ohms amplifiers
- ◆ Fully shielded to prevent interference from video monitors



### 6301 BEAV

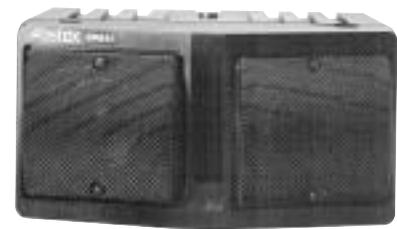
A small, portable, versatile monitor that delivers impressive sound, the 6301 BEAV can be used in pairs or alone. Ideal for use with instruments in project studios, on stage, in remote recording vehicles, video productions and multimedia presentations. The 6301 BEAV accepts any line

level input and has a built-in 10-watt amplifier (8 ohm load) that is perfectly matched to a magnetically-shielded 10cm full range driver to deliver big sound, full of clarity from such a small monitor. Manufactured from cast aluminum, these little monitors have earned a reputation for being rugged and road worthy.

- ◆ XLR and 1/4" inputs
- ◆ EXT SP terminal
- ◆ Rotary level control
- ◆ Automated protection circuit
- ◆ Optional 9610 Bracket (vertical/horizontal)

### SPA-11

The powered SPA-11s offer superb sound in compact, portable cabinets. Each incorporates a 100-watt internal amplifier with two 10cm full-range speakers, mic and line inputs as well as a level control, and they can be daisy-chained and stacked for multiple speaker coverage.



A number of mounting and stacking accessories are available to facilitate installation - both temporary and permanent. Constructed of resin-impregnated plastic for durability and superior acoustics.

#### OPTIONAL MOUNTING ACCESSORIES FOR SPA-11

P60 Vertical U-bracket .....	59.95	P63 Vertical Stacking Kit.....	29.95
P61 Horizontal U-bracket.....	59.95	P64 Horizontal Stacking Kit.....	19.95

# GENELEC

## 1029APM

### Compact 2-Way Active Nearfield Monitor

With performance comparable to much larger systems, the 1029A's excellent dispersion and precise imaging, together with its compact size, make it ideal for near field monitoring, mobile vans, home studios, multimedia and home theaters.

The amp unit includes an active electronic crossover, over-load protection circuitry and two power amplifiers, one for each driver. The 1029A has a LF extension (-3dB at 68Hz) sufficient for most monitoring applications. (If a lower cutoff frequency is required, it can be complemented with the 7050A subwoofer). Genelec's unique Directivity Control Waveguide (DCW) technology provides excellent stereo imaging and frequency balance, even in difficult acoustic environments. Versatile tone controls allow further matching of the system to its surroundings. A pair of 1029A's can produce peak acoustic levels of over 110 dB SPL at 1m. The speakers can be used vertically or horizontally, and are easy to set up and use. The 1029A's integrated design allows the amplifiers and the drivers to be calibrated as a single unit ensuring consistent quality. The rugged cast aluminum cabinet has rounded corners and a hard painted outer surface. Available in black, gray, or white cabinets. (The protective grilles and volume and power knobs are black regardless of cabinet color).



### FEATURES

#### Crossover Filters

Although more commonly used in large and expensive control room monitors, an active crossover is the ideal method for dividing the input signal between the driver units. To maintain uniform frequency balance in differing acoustic environments, special calibrated controls are included in the active crossover network. These controls include treble 'tilt', bass 'tilt' and bass 'roll-off' switches.

#### Amplifiers

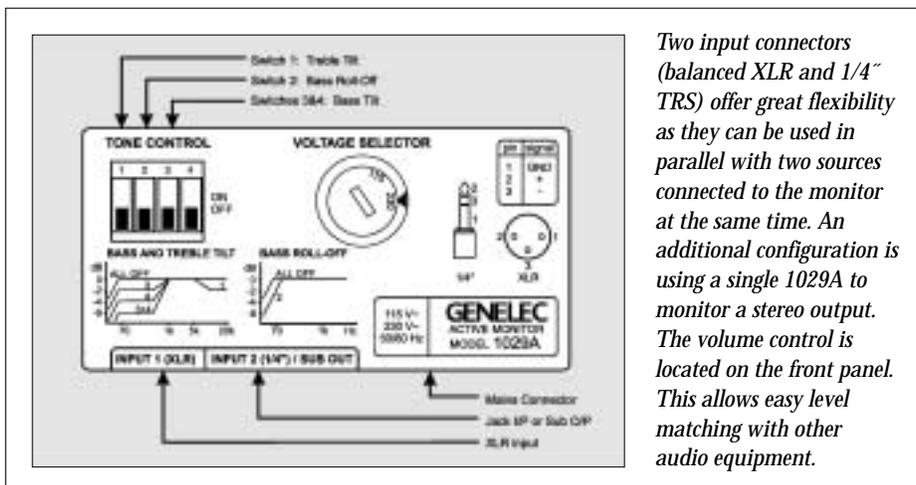
The bass and treble amplifiers produce 40 watts of output power each, with very low THD and IM distortion values. The amps are designed to ensure the highest subjective sound quality possible. The amplifier unit also contains a protection circuit that monitors the output levels and prevents any damage to the drivers. This makes the system immune to overloads and spurious signals.

#### Drivers

- ◆ A 3/4" metal dome tweeter is loaded by a DCW, and is used to reproduce the high frequencies. The DCW is integrated into the one piece cabinet front baffle.
- ◆ The 5" woofer is a bass cone driver mounted in a 4.5 litre vented cabinet. The -3 dB frequency is 68 Hz and the LF response extends down to 65 Hz (-6dB).
- ◆ Protective grills are placed in front of both drivers, and both are magnetically shielded, allowing use near video monitors.

#### Mounting Options

- ◆ On the base of the monitor is a 3/8" UNC threaded hole which can accommodate a standard microphone stand.
- ◆ There is a provision for an Omni-mount size 50 bracket, for which two M6x10mm screws are required.
- ◆ Alternatively the speaker can be hung on M4 screws with suitable heads by one of the three keyhole slots on the backpanel.
- ◆ The speaker can be hung in a horizontal or vertical position. Friction pads are provided for placement on a shelf or a stand.



Two input connectors (balanced XLR and 1/4" TRS) offer great flexibility as they can be used in parallel with two sources connected to the monitor at the same time. An additional configuration is using a single 1029A to monitor a stereo output. The volume control is located on the front panel. This allows easy level matching with other audio equipment.

### 6½" Bi-amplified Active Monitor

The Genelec 1030A is a very compact bi-amplified active monitor system, which has performance comparable to much larger systems. The vented speaker enclosure has an amplifier unit set into the back. This unit contains an active electronic crossover, over-load protection circuitry and two power amplifiers: one for each driver. The system's excellent dispersion and precise imaging together with its compact size make it ideal for near field monitoring, broadcast and TV control rooms, mobile vans, home studios and travelling engineers. Genelec's unique Directivity Control Waveguide (DCW) technology is used to provide excellent stereo imaging and frequency balance, even in difficult acoustic environments and the versatile crossover controls allow further matching of the system to its surroundings. A pair of 1030As can produce peak acoustic levels of over 115 dB SPL at 1m. The speakers may be used in vertical or horizontal orientation.



#### Same features as the 1029AMP EXCEPT—

- ◆ Bass and treble amps produce 80 and 50 watts of power each, with low THD and IM distortion values
- ◆ 3/4" metal dome driver, loaded by DCW, is used to reproduce the high frequencies
- ◆ The bass driver is a high efficiency 6-1/2" polymer composite cone driver in a 6.5 liter vented cabinet. The -3 dB frequency is 52Hz and the low frequency response extends down to 47 Hz. (-6dB)

- ◆ Like the 1029AMP there are three special calibrated controls in the active crossover network. However, in the 1030A the treble and bass 'roll-off' switches are adjustable in 2dB steps:

#### 1029AMP

- Treble tilt control operating range from 0 to -2dB @15 kHz
- Bass roll-off control operating in a -6dB step @85 kHz
- Bass tilt control operating range in 2dB steps: from 0 to -6dB @150Hz

#### 1030A

- Treble tilt control operating range in 2dB steps: from +2 to -4dB and MUTE
- Bass roll-off control operating range in 2dB steps: from 0 to -8dB @50 Hz
- Bass tilt control operating range in 2dB steps: from 0 to -6dB @100Hz and MUTE

#### Accessories:

- Vertical Wall Mount Kit.....**259.95**    Green Carry Bag for 1030 pair .....**169.95**  
 Vertical Floor Stand Kit .....**364.95**    Green Carry Bag for 1029 or 2029 pair....**84.95**

#### DCW (Directivity Control Waveguide) Technology

Incorporated in the 1029A and 1030 monitors, Directivity Control Waveguide (DCW) technology is a means of improving the performance of a direct radiating multi-way loudspeaker under normal listening conditions. One of the basic aims is to match the performance of the drivers in terms of both frequency response and directivity. This results in a smoother overall frequency response on and off axis. In addition, the improved directivity control causes more direct sound and less reflected sound to be received at the listening position. This provides improved stereo imaging and ensures that the system is less sensitive to differing control room acoustics than conventional direct radiator design. DCW Technology improves the drive unit sensitivity by +2 to +6 dB (depending on the particular application), thus also increasing the available system maximum sound pressure level.

	1029AMP	1030A
<b>SPL</b>		
Short term RMS at 1m	100dB SPL	105 dB SPL
Peak with music @1m	110 dB SPL	110 dB SPL
<b>Drivers</b>		
Bass	5"	6½"
Treble	3/4" metal dome + DCW	
Crossover Frequencies	3.3 kHz	3.5 kHz
Frequency Response	70-18k Hz	55-18k Hz
<b>Amplifier Power (1-ch)</b>		
Bass	40 W	80 W
Treble	40 W	50 W
Dimensions (HWD)	9¼ x 5¼ x 7½"	12¼ x 7¼ x 9½"
Weight	13.2 lb.	17 lb.

# GENELEC

## 2029A/2029B

STUDIO MONITORS

588

### Digital Monitoring Speakers

The 2029A and 2029B are near field monitors that combine digital audio and analog audio inputs in a single speaker system. They are ideal for working with a digital audio workstation or if you are processing audio in a modern studio where your signal is digital. The 2029A/B support all the same modes of operation as the analog 1029A. You can use them with a subwoofer. You can use them in surround audio systems. Due to their compact size, integrated construction, excellent dispersion and precise stereo imaging, they are ideal for near field monitoring, mobile vans, digital audio workstations, broadcast and TV control rooms, surround sound systems, home studios, multimedia applications and also for use with computer sound-cards. They also incorporate Genelec's Directivity Control Waveguide (DCW) technology for excellent frequency balance even in difficult acoustic environments.



### FEATURES

#### Digital Interface

- ◆ The 2029A is precision-aligned and balanced—from the single stereo 24-bit S/PDIF digital input—to the highly efficient 110dB/SPL matched drivers. The 2029A is 48kHz compatible. The 2029B offers the same precision alignment with an AES/EBU digital interface on a digital XLR-type input. The 2029B is 9kHz compatible. Both monitors incorporate extremely linear, integrated D-to-A converter circuitry to offers a precision-matched electrical interface to the active electronics and amplifiers.

#### Drivers

- ◆ The bass frequencies are reproduced by a 130 mm (5") bass driver mounted in a 4.5 litre vented cabinet. The -3 dB point lies at 68 Hz and the frequency response extends down to 65 Hz (-6 dB).
- ◆ The high frequency driver is a 3/4" metal dome. Uniform dispersion control is achieved with the revolutionary DCW Technology pioneered by Genelec.
- ◆ Magnetic shielding is standard on the 2029A/2029B. Shielding is vital for applications such as video post production, where stray magnetic fields must be minimized.

#### Integrated Construction

- ◆ As the digital interface and amplifiers are built into the speaker enclosure, the only connections required are the mains supply and the digital input signal, making them very easy to set up and use.

#### Crossover

- ◆ Their active crossover network is acoustically complementary and the slopes are 24 - 32 dB/octave. The crossover frequency is 3.3 kHz. The room response controls ('treble tilt', 'bass tilt' and 'bass roll-off') allow exact match to any installation.

#### Amplifiers

- ◆ The amplifier unit is built inside the speaker enclosure. The bass and treble amplifiers both produce 40 W of output power. The fast, low distortion amplifiers are capable of driving a stereo pair to peak output sound pressure levels in excess of 110 dB at 1 m. The unit incorporates special circuitry for driver overload protection.

#### Tone Controls

- ◆ The response of the system usually has to be adjusted to match the acoustic environment. The adjustment is done by setting the tone control switches on the rear panel. The tone control has four switches and can adjust 'treble tilt', 'bass tilt' and 'bass roll-off'. The factory settings for these are 'ALL OFF' to give a flat anechoic response.

### Digital Audio

- ◆ The quality of a digital audio signal is defined by two parameters: word length and sampling rate. The word length defines how precisely the audio signal is represented. Longer word length leads to smaller noise and distortion level. The typical word length in CD records is 16-bits. Studio recording systems use word lengths of 20-bits and above. The sampling rate determines what frequencies can be represented in the digital audio signal. A higher sampling rate allows higher frequencies to be recorded.
- ◆ Turning the digital presentation to an analog signal using a DA converter involves significant sources of error. Your digital-to-analog converter may have inferior performance. It may be misaligned with your amplifiers. The interface between the converter and the amplifier may distort the signal or it may change the frequency balance. Your monitoring volume level may need to be adjusted in the digital domain instead of analog. Genelec 2029A Digital allows you to solve all of these problems. The alignment of the whole system from the digital input connector is carefully balanced, to make sure that you hear the whole digital truth, and nothing but the truth. All you have to do is to supply the digital signal, and adjust for the volume you desire.

## SUBWOOFERS

	2029A	2029B
<b>Input Word Length</b>	16 - 24 bits	16 - 24 bits
<b>Input Format</b>	IEC958, S/P-DIF, EIJAC CP-340	AES/EBU
<b>Digital Input</b>	RCA 75Ω	XLR 110Ω
<b>Input Sampling Rate</b>		
<b>No De-emphasis</b>	25 - 55 kHz	29 - 100 kHz
<b>Using de-emphasis</b>	44.1 and 48 kHz	44.1 kHz
SPL		
<b>Short term RMS @1m</b>	100 dB SPL	100 dB SPL
<b>Peak per pair with music material</b>	110 dB SPL @ 1m	110 dB SPL @ 1m
<b>Drivers</b>		
<b>Bass</b>	5"	5"
<b>Treble</b>	3/4" metal dome + DCW	
<b>Crossover Freq.</b>	3.3 kHz	3.3 kHz
<b>Free Field Freq. Response ± 2.5 dB</b>	70 - 18k Hz	70 - 18k Hz
<b>Amplifier power /ch</b>		
<b>Bass</b>	40 W	40 W
<b>Treble</b>	40 W	40 W
<b>Dimensions (H x W x D)</b>	9" x 5 1/8" x 7 1/2"	9" x 5 1/8" x 7 1/2"
<b>Weight</b>	13.2 lb.	13.2 lb.

### Analog and Digital Cabling

Special interconnect cable connects between the XLR connectors of the two 2029A Digital monitors. The IEC958 interface cable from your digital audio source connects to one of the 2029A Digital units. In the digital audio reproduction mode the output level for both speakers pair is controlled with the right unit. The balance is automatically calibrated correctly with the proposed output level setting on the left unit.

### Mounting Options

There are several possibilities for mounting the 2029A/2029B. On the base of the monitor is a 3/8" UNC threaded hole which can accommodate a standard microphone stand. There is a provision for an Omnimount size 50 bracket, for which two M6x10mm screws are required. Alternatively the speakers can be hung on M4 screws with suitable heads by one of the three keyhole slots on the back-panel. They can be hung in a horizontal or vertical position. Friction pads are provided for placement on a shelf or a stand.

### 7050A 8" Active Dual-Input Subwoofer

The 7050A is a very compact subwoofer incorporating all the amplifier and crossover electronics needed to combine it with a Genelec 1029 or 2029 series speaker. Adding the 7050A to a 1029/2929 system creates a compact nearfield monitoring system capable of a flat frequency response from 38 Hz to 20 kHz (± 2.5 dB).



- ◆ Summed, balanced inputs on two XLR connectors
- ◆ Sensitivity can be attenuated by from 0dB to -18 dB for easy level matching with the main speakers for varying positions.
- ◆ Produces 70 W of output power, with very low THD and IM distortion.
- ◆ 8" magnetically shielded long throw cone driver is capable of producing SPLs up to 105 dB in half space.
- ◆ To make the system immune to overloads and spurious signals, the circuitry includes driver overload protection and power-on signal muting. Also incorporates thermal overload and short circuit protection.
- ◆ Like the larger 7000 series subwoofers, the 7050A features Genelec's Laminar Spiral Enclosure (LSE) cabinet construction resulting in a robust and reliable system. The handsome cast-aluminum grille protects the magnetically shielded 8" driver.

### 7060A/7070A 10" and 12" Active Multi-Channel Subwoofers

The 7060A and 7070A are powerful and precise bass monitoring tools for today's 5.1 or 6.1-channel surround sound or traditional stereo systems. With their 19Hz (7070A) or 29Hz (7060A) lower cutoff frequency, high sound pressure output capability and versatile bass management systems, they can be adapted to all low frequency monitoring situations.

- ◆ The built-in bass management unit has six signal input and output channels (L/C/R Front and L/C/R Rear), LFE input and summed signal output connectors, providing great flexibility and easy connection.
- ◆ The discrete LFE signal input is equipped with a selectable 85/120 Hz low-pass filter and a 0/+10 dB LFE sensitivity switch.
- ◆ Adjustable sensitivity, bass roll-off and phase matching controls let you tailor the response of the subs to the environment.
- ◆ Laminar Spiral Enclosure (LSE) cabinet construction ensures reliability
- ◆ Integrated 85 Hz test tone generator for accurate crossover phase alignment.

	7050A	7060A	7070A
<b>SPL (Short Term RMS @1m)</b>	100dB SPL	108dB SPL	112dB SPL
<b>Input Channels</b>	2 (for stereo only)	6	6
<b>Sum Out Outputs</b>	0	1	1
<b>Driver</b>	8"	10"	12"
<b>Bass Level</b>	0...-18 dB (variable)	+12 to -6 dB (variable)	+12 to -6 dB (variable)
<b>Bass Roll-Off</b>	n/a	0 to -6 dB (2 dB/step)	0 to -6 dB (2 dB/step)
<b>Phase Adjustment</b>	n/a	0 to 270° (90°/step) @85 Hz	
<b>Frequency Response</b>	38 Hz - 85 Hz ±3 dB	29 Hz - 85 Hz	19 - 85 (120) Hz ±3 dB
<b>Amplifier Power (1-ch.)</b>	70 W	120 W	250 W
<b>Dimensions (HWD)</b>	410 x 350 x 314 mm	527 x 462 x 360 mm	625 x 555 x 490 mm
<b>Weight</b>	33 lb.	57 lb.	110 lb.

# HAFLER

## TRM6.1/TRM8.1

STUDIO MONITORS

590

### 6- and 8-inch 2-way Professional Active Monitors

You have one goal when choosing a reference monitor. Music. Accurate music. Nothing else matters. Hafler has the same goal. They don't design for price points. They design for application and performance. However, Hafler did challenge their best engineers to design the finest sounding active near-field monitor available at an affordable price. The result was the TRM6.1 Trans•ana and TRM8.1 Trans•nova Reference Monitors – heralded by some as the finest powered monitors available.

Every component is designed and matched to deliver the most accurate music possible. They provide honest, consistent sound from top to bottom with sonic clarity usually found in much more expensive speakers. They feature built-in amplification, active crossovers, and Hafler's patented power amp circuitry – known for its accurate soundfield, in width, height and depth.



#### TRM6

Following in the footsteps of the TRM8, the TRM6 incorporates Trans•ana amplifier technology at an even more affordable price. Whether tracking, mixing, or mastering, the TRM6 delivers the consistency and accuracy that are a must in today's competitive environment.

- ◆ Discrete Hafler Class G Trans•ana mosfet amplifiers (55 watt for the woofer, 33 watt for the tweeter)
- ◆ Balanced XLR, unbalanced RCA inputs

#### They Both Feature

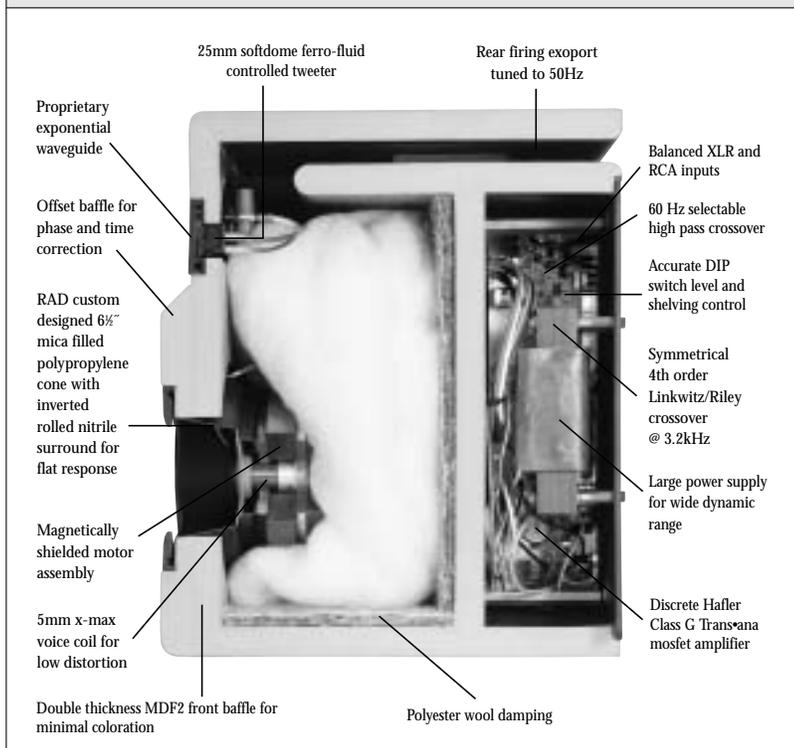
- ◆ Patented Trans•ana (TRM-6) or Trans•nova (TRM-8) output stage configured for "power gain" allows simpler front end circuitry, dramatically lower cross talk and noise
- ◆ 1" softdome ferro-fluid controlled tweeter for more open, natural sounding high frequencies.
- ◆ MOSFET outputs deliver higher output current, rugged reliability, superb sound quality
- ◆ Symmetrical 4th order Linkwitz/Riley crossover
- ◆ +/-4dB Bass and Treble shelving adjustment to match the environment
- ◆ Shielded woofer allows use near computer monitors
- ◆ Wide dynamic range at all levels (no compression)
- ◆ 3-Year Warranty

#### TRM8

- ◆ DIAMOND driver stage provides up to 14dB additional dynamic range in amplifier front end.
- ◆ Balanced XLR or 1/4", unbalanced RCA inputs
- ◆ Pre-drilled for Omni Mount

### THE REFERENCE

*Hafler designs monitors for application and performance. Every component of their TRM Series monitors is designed and matched to deliver the most accurate music possible. To Hafler's engineers, nothing else matters.*



ONE HOUR FREE PARKING

AT 349 W. 34th STREET (with purchase of \$100 or more)

## TRM10.1/TRM12.1

### M5 MONITOR

The M5 monitor is yet another example of Hafler's brilliant loudspeaker design and manufacturing capabilities. The M-5 is an unparalleled solution for broadcast and project studio environments. Portable and lightweight, it offers all the qualities of the TRM6 in a more compact, non-amplified package.

- 70Hz- 21kHz frequency response  $\pm 3$ dB
- TRM6 tweeter/waveguide for smooth response on and off axis
- Control of woofer at high output levels
- Shielded woofer magnet allows use near computer monitors
- Tweeter level control is user selectable from the front panel (3dB L-Pad)
- 4th order Linkwitz-Riley crossover at 3.2kHz
- Zobels, tweeter overload protection
- 5-way binding posts
- 1 Year Warranty

### Downfiring Trans•ana Class-G Active 10- and 12" Subwoofers

A perfect match for the TRM6.1, the TRM10.1 Subwoofer delivers a lot of punch from a small package, and offers unusual flexibility and adjustability at a great value. Extends your system's frequency range to well below 30Hz. However, when your program material demands ultra-low distortion energy at rock bottom low frequencies the TRM12.1 is a powerhouse, delivering true full range monitoring.



- ◆ Patented Trans•ana output stage configured for "power gain". Allows simple front end circuitry, dramatically lower cross talk and noise.
- ◆ Adjustable symmetrical 4th order Linkwitz-Riley crossover from 40 to 110Hz

- ◆ CLASS G: Provides higher efficiency amplification at all listening levels
- ◆ Balanced XLR, unbalanced RCA inputs
- ◆ Adjustable input level sensitivity
- ◆ 3-year warranty

	TRM6.1	TRM8.1	TRM10.1	TRM12.1
Frequency Response	55Hz-21kHz $\pm 2$ dB	45Hz-21kHz $\pm 2$ dB	30Hz-110z $\pm 2$ dB	25Hz-110z $\pm 2$ dB
Peak Acoustic Output (per pair @ 1m)	>118dB w/music	>123dB w/music	>118dB w/music	>121dB w/music
High Frequency Driver	1" (25mm) soft dome	1" (25mm) soft dome		
Low Frequency Driver	6" polypropylene cone	8" polypropylene cone	10" Cellulose Fibre cone	12" Cellulose Fibre cone
Amp Power Rating FTC	33 watts @ 6 $\Omega$ (high frequency) 50 watts @ 4 $\Omega$ (low frequency)	75 watts @ 6 $\Omega$ (high frequency) 150 watts @ 4 $\Omega$ (low frequency)	200 watts @ 4 Ohms; Trans•ana Class-G	200 watts @ 4 Ohms; Trans•ana Class-G
Signal-to-Noise	>100dB	>100dB	>100dB	>100dB
Slew Rate	100V/ $\mu$ s	100V/ $\mu$ s	100V/ $\mu$ s	100V/ $\mu$ s
CMRR	70dB typical @ 1kHz	70dB typical @ 1kHz	70dB typical @ 1kHz	70dB typical @ 1kHz
Input Impedance		47kOhms per phase balanced		
Input Sensitivity Range				
Unbalanced:	500mV to 3V	500mV to 3V	500mV to 3V	500mV to 3V
Per Phase Balanced:	275mV to 1.5V	275mV to 1.5V	275mV to 1.5V	275mV to 1.5V
Filter Type	24dB/octave Linkwitz-Riley @ 3.2kHz	24dB/octave Linkwitz-Riley @ 2.5kHz		
Power Consumption (Full Power)	405W /4.75A @ 120 VAC	405W /4.75A @ 120 VAC	405W /4.75A @ 120 VAC	405W /4.75A @ 120 VAC
Subsonic Filter	30Hz @ 12dB/octave	30Hz @ 12dB/octave		
Bass Shelving	48Hz to 200Hz, $\pm 4$ dB (-4, -2, 0, +2, +4dB)	40Hz to 200Hz, $\pm 4$ dB (-4, -2, 0, +2, +4dB)		
Treble Shelving	3.5kHz to 20kHz, $\pm 4$ dB (-4, -2, 0, +2, +4dB)	3kHz to 20kHz, $\pm 4$ dB (-4, -2, 0, +2, +4dB)		
Dimensions (WHD)	8.875 x 13.25 x 11.5"	10.25 x 15.875 x 13"	16 x 14.75 x 16"	19.5 x 18 19.25"
Net Weight	25 lbs.	35 lbs.	60 lbs.	96 lbs.

## CIRCLE 3/CIRCLE 3 ACTIVE

### *Passive and Active 4½" Nearfield Monitors*

The Circle 3 (passive version) and Circle 3 Active (powered version) are compact monitor speakers designed for nearfield use, or in critical monitoring applications where space is limited. The Circle 3 uses a highly linear, custom-designed 4.5" bass driver, built on an acoustically dead chassis to eliminate undesirable resonant effects. High frequencies are reproduced by a ferro-fluid cooled soft dome tweeter. And despite standing just over 10" high, the Circle 3 delivers a robust, full range sound with a surprisingly extended low end response.

The Circle 3 Active adds a bi-amp module delivering 60w of power to the bass driver and 30w to the tweeter. And unlike most compact active monitor designs, the Circle 3 Active's LF amplifier is not limited, as this unbalances the sound at high listening levels. Rather, the bass drivers are engineered to handle the full amp output. And controlled order crossover management makes the Circle 3's particularly easy to listen to, even on long sessions. Magnetic shielding on both versions, makes them ideal for use in any application where close proximity to a CRT monitor is required.



### **CIRCLE 1** *12" Subwoofer*

Much more than just a subwoofer, the Circle 1 is a complete speaker management system, forming the heart of a high performance, professional surround sound monitoring system. In addition to a 12" low moving mass bass driver and 160-watt amp module, the Circle 1 also features 5 channel active filtering with a mode switch making it easy to configure the system for a variety of stereo and surround monitoring applications.



- ◆ Low frequency boost control is provided to increase the level of the bass component in low level monitoring applications
- ◆ Phase control can be used to achieve optimum sub bass performance in differing room acoustics.
- ◆ XLR connectors on all inputs and outputs
- ◆ Design of the cabinet porting assists in producing a frequency response that extends down to 33Hz.
- ◆ Mode switch for different surround decoders and stereo setups

Connection to the Circle 1 is via six balanced XLR inputs and five XLR outputs. Although the Circle 1 is designed primarily for use in a surround sound system, there are many people who would like to increase the bass frequencies or overall level available from their speakers. So when two or more speakers are connected to the input channels, the Circle 1 sums the signals from the front left and right speakers and filters out their bass frequencies for reproduction from the sub-woofer, leaving the satellite channels to reproduce the mid and high-frequencies.

A switch on the back of the Circle 1 sets it for 5.1 surround sound operation where, instead of reproducing the filtered frequencies from the satellite speakers it is driven from a dedicated sub input. Additional rotary controls are provided for input sensitivity, LF Boost and Phase. With its outputs connected to five active Circle 5's, the result is a powerful, detailed and truly universal 5.1 monitoring system.



## CIRCLE 5/CIRCLE 5 ACTIVE

### Passive and Active 8" Midfield Monitors

Accurate and revealing monitors ideal for use in midfield stereo or surround sound monitoring applications, both the passive (Circle 5) and powered (Circle 5 Active) share a custom-designed 8" bass driver that is injection-molded from a specially formulated plastic compound. The rolled sheets used by other manufacturers retain a grain pattern in the molded cone, introducing unwanted compressions both with and across the grain and ultimately degrading performance. The random grain pattern in the HHB cone suffers none of these problems and resonances are minimized yet further by varying the thickness of the cone across its surface. Like the Circle 3, the Circle 5 uses controlled order crossover management to achieve an accurate sound that never tires the listener. And like the Circle 3 Active, there is no amp limiting so the full bass component of sound is present at all volume levels.



#### Circle 3

- ◆ Custom 4.5" (110mm) bass driver with acoustically dead chassis reduces any unwanted resonant effects, producing a perfectly damped impulse response. This results in both the active and passive speakers being incredibly easy to listen to, even over long periods of time.
- ◆ Ferro-fluid cooled soft dome tweeter
- ◆ Active biamp module: Bass (60 watts), Tweeter (30 watts)
- ◆ Circle 3 uses binding posts for connections, the Circle 3 Active uses XLR and RCA connectors
- ◆ No limiting on LF amplifier so the full bass component of sound is present at all volume levels—sound is always balanced
- ◆ Controlled order crossover management controls the rate at which the LF ramps down and the HF ramps up at the crossover point, resulting in an accurate, untiring sound—even on long sessions.
- ◆ Magnetically screened for use near video and computer monitors

#### Circle 5

- ◆ Custom 8" (200mm) bass driver with injection molded cone
- ◆ Ferro-fluid cooled soft dome tweeter with Polyswitch protection. Rather than attenuating HF power and unbalancing the sound in the event of overload, Polyswitch cuts the power completely until the tweeter has cooled, illuminating a warning LED in the process.
- ◆ Active biamp module: Bass (140 watts), Tweeter (70 watts)
- ◆ Circle 5 uses binding posts for connections, the Circle 5 Active uses XLR and RCA connectors
- ◆ No limiting on LF amplifier so the full bass component of sound is present at all volume levels—sound is always balanced
- ◆ Controlled order crossover management controls the rate at which the LF ramps down and the HF ramps up at the crossover point, resulting in an accurate, untiring sound—even on long sessions.
- ◆ Anti-magnet cancels magnetic fields that can distort video monitors

	Circle 3 Passive	Circle 3 Active	Circle 5 Passive	Circle 3 Active
<b>Transducer System</b>	2 way monitor loudspeaker	2 way monitor loudspeaker	Ported 2 way monitor loudspeaker	Ported 2 way monitor loudspeaker
<b>Drive Units LF:</b>	Custom 4.5" NRSC cone, 1" voice coil, high linearity low-loss suspension polymer chassis and shielding antimagnet		Custom 8" polymer cone, high compliance rigid self-sealing long throw rubber surround. 1" high temperature aluminum voice coil and antimagnet.	
<b>Drive Units HF:</b>	1" ferro-fluid cooled soft dome, high efficiency Neodymium magnet, highly focused magnetic field 1" aluminum voice coil		Custom 1.1" ferro-fluid cooled soft dome with rear damping chamber. 1.1" high temperature aluminum voice coil and antimagnet.	
<b>Frequency Response</b>	70Hz - 20kHz ±3dB	70Hz - 20kHz ±3dB	48Hz - 20kHz, +/- 3dB	48Hz - 20kHz, +/- 3dB
<b>Sensitivity</b>	83dB 1w/1m.	1V RMS	87dB 1W/1m	1V RMS
<b>Suggested Amplifier Power</b>	30 - 100w	30 - 100w	50 - 200w	50 - 200w
<b>Impedance</b>	8Ω nominal	8Ω nominal	8Ω nominal	8Ω nominal
<b>Power Handling (Program)</b>	60w	60w bass, 30w tweeter	120w	140w bass, 70w tweeter
<b>Crossover</b>	3.5kHz	3.5kHz	2.6kHz	2.6kHz
<b>Dimensions (HWD)</b>	10.6 x 6.9 x 7.8"	10.6 x 6.9 x 8.7"	16.5 x 10 x 11.8"	16.5 x 10 x 11.8"
<b>Weight (each)</b>	8.1 lbs.	11 lbs.	22 lbs.	27.7 lbs.
<b>Finish</b>	Durable black paint	Durable black paint	Durable black paint	Durable black paint

## CONTROL SERIES

The Control Series combine high performance and smooth, powerful, wide range response with a compact design and rugged construction for unprecedented versatility. Also one of the easiest systems to install, the Control Series are perfect for applications where tight corners and tough angles are all too common. A wide variety of available mounting systems allows positioning for optimum performance.



### Control 1

The Control 1 is a 150-watt, two-way miniature monitor with well balanced sound and exceptional power handling. Ideal for any installation requiring professional control monitor performance from a compact source including recording studios, mobile audio video control rooms and broadcast studios. It is also highly suitable for foreground and background music use in restaurants, discos, and A/V applications.

- ◆ Incorporating a 5 1/4" low frequency loudspeaker, 3/4" high frequency radiator and high performance dividing network, the Control 1 provides full-range, low distortion reproduction in a variety of applications
- ◆ High and low-frequency transducers are magnetically shielded, allowing use near video monitors
- ◆ Mounting versatility is enhanced by a complete line of installation accessories

### Control 5

The Control 5 is a high-performance 175 watt, two-way wide range control monitor suitable for use as the primary sound source in a variety of applications. Smooth, extended frequency response combines with wide dynamic capabilities to provide acoustic performance that makes the Control 5 ideal for recording studios, audio-video control rooms, remote trucks and broadcast studios. Clean, functional visual design also makes ideal for foreground music systems, moderate level sound reinforcement, discos and music playback systems.

- ◆ 6 1/2" low frequency driver provides solid, powerful bass response to 50 Hz
- ◆ High frequency response to 20 kHz is handled by a pure titanium 1" dome
- ◆ HF (high frequency) and LF (low-frequency transducers are magnetically shielded, permitting use in close proximity to video monitors
- ◆ The dividing network incorporates protection circuitry to prevent system damage and utilizes high quality components including bypass capacitors for outstanding transient accuracy
- ◆ Molded of dense polypropylene foam, the Control 5 enclosure offers a pleasing shape that fits easily into any environment
- ◆ Wall, ceiling, rack and tripod mounting systems allow positioning in exactly the right spot for optimum performance
- ◆ Available in black, gray or white finish

	CONTROL 1	CONTROL 5
<b>Frequency Response</b>	120Hz - 20 kHz (±3db)	75Hz - 20 kHz (±3db)
<b>Power Capacity<sup>1</sup></b>	150w	175w
<b>Sensitivity: 1 W, 1 m</b>	87dB SPL	89dB SPL
<b>Directivity Factor (Q)</b>	2.8	2.8
<b>Directivity Index (DI)</b>	4.5	4.5
<b>Nominal Impedance</b>	4Ω	4Ω
<b>LF Components</b>	5 1/4"	6 1/2"
<b>HF Components</b>	3/4"	1"
<b>Finish</b>	Black or white	Black or white
<b>Dimensions</b>	9.25 x 6.25 x 5.6"	15.25 x 9.8 x 9"
<b>Net Weight (each)</b>	4 lbs.	10 lbs.

<sup>1</sup> IEC filtered random noise (50Hz-5kHz) with a crest factor (peak to average ratio) of 6dB

### MOUNTING ACCESSORIES

- CONTROL 1**  
MTC-8  
\$10.95
- CONTROL 5**  
MTC-52  
\$59.95
- CONTROL 5**  
MTC-51  
\$69.95
- CONTROL 5**  
MTC-1A  
\$29.95

## STUDIO MONITORS

### 4200 SERIES

*The standard for over a decade, the 4206 (6.5") and 4208 (8") are console-top monitors designed specifically for near field use in multi-purpose studio environments. Starting with the unique Multi-Radial sculptured baffle, the monitors direct the axial output of the individual components for optimum summing at the most common listening distance (approx. 3 to 5'). To deliver maximum stereo imaging while reducing the potential for listener fatigue, the pure titanium dome tweeter and cone transducer are aligned to deliver both high and low-frequency information to the listening position at precisely the same instant. They monitors also deliver smooth, extended bass output with little distortion and power compression. The 4206 and 4208 are rated at 8  $\Omega$  and are magnetically shielded.*



- ◆ Multi-Radial baffle positions the drivers to achieve alignment of their acoustic centers so that low, mid and high frequency information reach the ears at the same point in time—resulting in superb imaging and greatly reduced phase distortion.
- ◆ 1" titanium HF transducers deliver smooth, extended response. The tweeter features a uniquely shaped "lens" which acts as a mechanical filter to balance energy output to within  $\pm 2$  dB to 20 kHz.
- ◆ The long linear excursion design of the low frequency transducers results in smooth extended bass output with less distortion and power compression.
- ◆ Smooth transition from low to high frequency components is achieved through carefully engineered high complexity crossover networks. Tight tolerances are maintained to achieve seamless summing and minimal distortion.

### 4400 SERIES

*For years recording, broadcast, movie and TV studios worldwide have depended on the 4400 Series as their critical listening source. Countless music recordings and movie soundtracks were created with 4400 Series monitors, while broadcast studios rely on them to deliver faithful sound reproduction, typically 24 hours a day, seven days a week. Available in two-way and three-way systems, they all utilize JBL transducer technology with SFG magnet structures, large diameter voice coils and titanium dome tweeter.*



Low frequency drivers employ Symmetrical Field Geometry (SFG) magnet structures to minimize harmonic distortion, resulting in maximum definition of bass and low midrange information. Large voice coils provide excellent transient response characteristics and outstanding power handling.

Titanium dome tweeter further minimizes distortion levels, delivering even smoother, clearer high frequency information. And the tweeters are oriented to the create "Left" and "Right" models, achieving mirror-imaged pairs for excellent imaging.

With a tight crossover network design, the 4400 Series provides absolutely smooth transitions between transducers for perfect imaging and unparalleled power response.

#### 4408A 2-way 8" Studio Monitor

Two-way compact monitor system ideal for smaller recording studios or for broadcast studio monitor control rooms.

#### 4410A 3-way 10" Studio Monitor

A three-way monitor loudspeaker system designed as a vertical line array. This system delivers incredibly fine transient response characteristics and spatial detail.

#### 4412A 3-way 12" Studio Monitor

For applications requiring maximum low frequency output from a bookshelf-sized monitor, this 3-way system tightly clusters its transducer complement for accurate close proximity listening.

## LSR SERIES

### THX-Approved Studio Monitors

The Linear Spatial Reference (LSR) philosophy is based on a set of design goals that carefully control the overall performance of the system in a variety of acoustic spaces. Instead of focusing on a simple measure such as on axis frequency response, LSR designs require much better control over dispersion via transducer design and crossover frequency selection. Critical decisions of image placement, EQ, balance and timbre are typically made within  $\pm 15^\circ$  vertically and  $\pm 30^\circ$  horizontally. This workspace is where the engineer, producer and artist make critical mixing decisions. By incorporating LSR into the system design requirements, placement rules are relaxed, a more stable stereo image is maintained and off axis coloration is minimized.

#### LSR25P Compact Bi-Amplified Monitor

The LSR25P is sized to provide an extremely accurate reference for workstations, edit suites and small control rooms.



- ◆ Combines 100 watts of low frequency power and 50 watts for the high frequency with an active crossover system
- ◆ 5.25" woofer incorporates Symmetrical Field Geometry (SFG) with integral shorting ring for maximum linearity.
- ◆ Unique Workstation Boundary Compensation control adjusts the bass and mid-bass output for optimum performance. Precisely maintains correct spatial response when used next to video monitors in typical workstation environments.
- ◆ User adjustments include level calibration and fine tuning of levels with a variable level control. XLR and RCA inputs accommodate balanced and unbalanced signals.
- ◆ Frequency response can be tailored to compensate for placement and room absorption characteristics. Select between two high frequency response contours. An 80Hz low frequency filter can be added for use with subwoofers that have their own low pass filtering.
- ◆ Integrated mounting points for horizontal or vertical suspension. Shielded for use near video monitors.
- ◆ The high frequency transducer of all three monitors is 1" composite diaphragm integrated with an Elliptical Oblate Spheroidal (EOS) Waveguide with  $60 \times 100^\circ$  dispersion which is critical to the smooth spatial response required in today's working environments.

#### LSR28P Bi-Amplified Monitor

- ◆ Combines 250 watts of low frequency power and 120 watts for the high frequency. with an active crossover system
- ◆ 8" woofer is based on JBL's patented Differential Drive technology. With dual drive coils, power compression is kept to a minimum to reduce the fatigue of spectral shift as power levels increase. An added third coil between the drive coils acts as a dynamic brake to limit excess excursion and reduce audible distortion at the highest levels.
- ◆ Adjustments include level calibration and fine tuning of levels with a variable level control. XLR and RCA inputs accommodate balanced and unbalanced signals. The frequency response of bass and treble amplitudes can also be adjusted to compensate for placement and room absorption characteristics.



#### LSR32 3-Way Studio Monitor



- ◆ 12" woofer based on JBL's patented Differential Drive technology
- ◆ The midrange is a 2" neodymium magnet structure with a woven 5" Kevlar cone. The crossover points are located at 250 Hz and 2.2 kHz. to match the directivity characteristics of the three transducers.

### LSR Measurement Techniques

LSR is the underlying design philosophy that explains why speakers that measure the same, sound different. By going beyond simple on-axis frequency measurement, LSR techniques define the ultimate performance specifications of JBL's monitoring technology—what it will sound like in your room. They go beyond the performance of an on-axis frequency response at one point in space, which other manufacturers use.

LSR uses a technique of measuring a monitor over a sphere that encompasses all energy radiated into the listening room in every direction. This data reflects 1296 times the information of a single on-axis frequency response curve. Using psychoacoustic principles allows the calculation and optimization of the entire sound field heard by the listener - this includes the direct sound field, the reflected sound field and the reverberant sound field. In place of spectral smoothing, which actually conceals data, LSR techniques expose flaws in systems such as resonances, poor dispersion and other off-axis colorations.

## LSR SERIES

### LSR12P Powered Subwoofer

The LSR12P is the ideal companion to the LSR25P, LSR28P and LSR32. It is multi-channel compatible for AC-3, DTS and other surround sound formats. It features a 12" Neodymium woofer based on JBL's patented Differential Drive technology. The cone is made of carbon fiber composite for low cabinet resonance and stable inertial ground. The integrated 250-watt power amp provides correct drive levels for optimized frequency response. Bass management for multiple formats is provided with separate left, center and right crossover functions as well as a discrete input.



STUDIO MONITORS

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- ◆ Subwoofer signals are fed by the Left, Center, Right and Discrete inputs. This unique arrangement provides excellent bass management for a wide variety of formats. The subwoofer signals can be derived from the front channels or from the discrete input with a simple remote switch contact. Alternatively, the subwoofer can be muted with full range signals routed to the front channels for comparison with or without subwoofer support. Calibrated input levels for -10 dBV and +4 dBu inputs are included.
- ◆ In addition, an input attenuator can be inserted into the circuit for continuously variable level control to fine tune subwoofer level matching. Subwoofer low pass filtering uses steep 5th order low pass filtering to minimize the possibility of localization of the subwoofer acoustic output. High pass filtering for the Left, Center and Right outputs are at 12 dB/Octave.
- ◆ There are six dip switches that allow you to optimize the LSR12P's performance. The first three switch settings adjust the calibration level of the Left, Center and Right inputs. Switch four inverts the signal polarity of the subwoofer feed. This is used to correct for placement mismatch between the subwoofer and satellite spacing. Switches five and six adjust the low frequency spectrum to compensate for boundary effects when a subwoofer is placed against walls or corners.
- ◆ A 1/4" jack is included on the back panel which allows remote control bypass of the subwoofer and selection of the discrete input. Shorting the Tip and Sleeve of the jack will remove the high pass filtering from the Left, Center and Right outputs and sources the subwoofer feed from the discrete input.

#### 4200 and 4400 SERIES SPECIFICATIONS

	4206	4208	4408A	4410A	4412A
<b>Frequency Response:</b>	65Hz-20kHz (±2dB)	65Hz-20kHz (±2dB)	50 Hz-20 kHz (±2dB)	45Hz-20kHz (±2dB)	45Hz-20kHz (±2dB)
<b>Frequency Range:</b>	42 Hz - 21kHz (-10dB)	38 Hz - 21kHz (-10dB)	35 Hz - 30 kHz (-10dB)	33 Hz - 30kHz (-10dB)	30 Hz - 30kHz (-10dB)
<b>Sensitivity (1w, 1m):</b>	87 dB SPL	89 dB SPL	89 dB SPL	90 dB SPL	89 dB SPL
<b>Nominal Impedance:</b>	8Ω	8Ω	8Ω	8Ω	8Ω
<b>Crossover Frequency:</b>	2.8 kHz	2.6 kHz	2.5 kHz	900Hz, 4.0 kHz	850 Hz, 4.0 kHz
<b>Transducer: LF:</b>	6.5"	8"	8"	10"	12"
<b>MF:</b>	—	—	—	5" cone	5" cone
<b>HF:</b>	1"	1"	1"	1"	1"
<b>Net Weight:</b>	15 lb.	9.3 lb.	26 lb.	43 lbs.	47 lbs.
<b>Dimensions (HxWxD):</b>	15" x 9 x 9 1/2"	15" x 9 x 11"	17 1/2 x 12 x 11 1/2"	23 1/2 x 14 1/4 x 11 1/4"	14 1/2 x 23 1/2 x 11.76"

#### LSR SERIES SPECIFICATIONS

	LSR25P	LSR28P	LSR32	LSR12P
<b>Frequency Response (-6dB):</b>	56Hz-22kHz	37Hz-22kHz	40Hz-22kHz	25Hz-110kHz
<b>Power:</b>	LF: 100w HF: 50w	LF: 200w HF: 70w	200w IEC	250w
<b>Sensitivity:</b>	+4 dBu /-10dBV	+4 dBu /-10dBV	90 dBu (1 W / 1m)	+4 dBu /-10dBV
<b>Distortion (96dB):</b>	<0.5% (150Hz-20kHz)	<0.5% (120Hz-22kHz)	<0.5% (120Hz-22kHz)	<1.0%
<b>Crossover Frequency:</b>	2.8 kHz	2.6 kHz	2.5 kHz	900Hz, 4.0 kHz
<b>Net Weight:</b>	17 lb.	45 lb.	47 lb.	50 lbs.
<b>Dimensions (HxWxD):</b>	6.8 x 10.6 x 9.5"	16 x 13 x 12.75"	25 x 15.5 x 11.5"	25 x 15.5 x 12"

## V-SERIES STUDIO MONITORS

STUDIO MONITORS

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### *Bi-Amplified Reference Monitors*

The V-Series are bi-amplified near-field reference monitors capable of satisfying the most critical listening requirements. Separate built-in power amplifiers for the woofer and tweeter and a true electronic crossover that tailors the power and frequency response specifically for each transducer, combine to deliver the dynamic range and performance required for everything from digital production to 5.1 surround sound. KRK's goal for the V-Series was to create monitors capable of accurately reproducing sound with unsurpassed clarity and accuracy. Other monitors tend to modify, extend, or "tilt" their response above 1 kHz to sound more "spatial, exciting and impressive". What is often overlooked is this practice tends to make you incorrectly balance your mixes to compensate for this effect, leading to poor "translation". The V-Series was designed to reproduce the signal with a minimal of frequency enhancement. Rather than attempting to defy physics, they deliver unaltered high frequencies and respectable low frequency response with exceptional accuracy from their woofer in a reasonably small cabinet.



#### *Ability to Translate -*

A mix made on a V-Series monitor will translate to other environments and other monitors with no surprises—saving you time and eliminating extra work. They monitors will perform flawlessly for years in professional and non-professional environments alike.

#### *Balanced Power -*

KRK's amplifier construction is proven, durable and straightforward. Output wattage is balanced to optimize LF and HF driver performance. V-Series monitors use a toroidal power transformer for the lowest possible hum and minimum noise artifacts

#### *Flexibility -*

They contain an active input circuit specifically designed for balanced or unbalanced input signals. They accept XLR and 1/4" phone or TRS connectors.

#### *Active Filter Crossovers -*

Each monitor cabinet contains three active filters (subsonic, low-pass and high-pass filter). These three filters work together to deliver superior linear frequency response. Active filter crossovers generate less heat resulting in no signal drift or component variations to provide a more stable image.

#### *No Compression -*

V-Series monitors contain no signal compression which artificially limits the dynamic range of the program source. Although some monitors use signal compression to make them sound louder, fuller, and to control unwanted characteristics of the raw drivers, the result is a compromised mix. V-Series design is uncomplicated without extras between you and your mix.

#### *Furniture-Grade Construction -*

The cabinetry of a V-Series monitor is constructed from 3/4 to 1" medium density fiberboard (MDF). They are specifically designed to minimize unwanted cabinet resonance. All edges and port openings are heavily radiused to reduce edge diffractions and port flutter. Finish is a neutral fingerprint proof gray Zolatone

#### *Custom Made Drivers -*

All except the V6 (uses a specially designed polyvinyl LF driver) use a woven Kevlar LF driver custom-designed for their individual cabinet volume with one goal in mind—minimal compromises, no surprises. Kevlar is one of the strongest, lightest, most rigid materials that can be used in modern speaker cone construction.

V4 ORBITAL PACK

Surround yourself in quality Hi-Fi sound at an easily affordable price. Get a 5.1 linear system, which includes five V4 monitors and one S8 subwoofer, in one complete package. The V4 has separate amplifiers for both the tweeter (15w) and the woofer (30w), which makes the sound extremely clean and virtually eliminates any distortion. The S8 subwoofer is powered with 100 watts, and includes an 8" Kevlar woofer, variable low-pass filter, phase correction switch and variable input sensitivity.

The V4 Orbital Pack is living proof that good things come in small packages!



**ONE HOUR FREE PARKING**

AT 349 W. 34th STREET (with purchase of \$100 or more)

## V-SERIES STUDIO MONITORS

### V4

There's big sound coming out of the V4 mini monitor. In KRK fashion, the V4 has separate amplifiers for both woofer and tweeter, which make it extremely clean and virtually eliminating any distortion. Video shielding is standard, making it an optimum choice for small audio workstations. A Neutrik Combo connector gives it ultimate flexibility for both balanced and unbalanced signals, it also gives you the option of using 3 different connectors (XLR, 1/4" TRS, or 1/4" Instrument). Paired with the S8 subwoofer, it just goes to show that good things do come in small packages!



### V8

For the professional who needs an active near field monitor able to satisfy the most critical listening requirements, yet be portable enough to take on location, the new V8 studio reference monitor is the answer. The V8 uses a separate power amplifier for the woofer and tweeter with an electronic crossover so that the power and frequency response is tailored to each transducer. The V8's Kevlar woofer is extremely fast and does not have audio band resonances that color the sound. Using the Neutrik Combo connector, the V8 can handle both XLR and .25" phone plug inputs, and video shielding is standard.



### V6

The exciting V6 offers the best sound per dollar in a small, active near field monitor. Featuring separate amplifiers for the woofer and tweeter, an active crossover, and video shielding as standard, the V6 is the perfect cost-effective active monitor solution for digital audio workstations. Using the Neutrik Combo connector, the V6 can handle both XLR and .25" phone plug inputs. Teamed up with the new S10 powered subwoofer, five V6's make a great



5.1 surround sound mixdown system.



### V88

Want more bass? More SPL? The V88 has two 8" woofers that will definitely shake up your studio. The V88 is actually bi-amped, with a 160 watt amplifier for the low frequencies and an additional 60 watt amplifier for the tweeter. There is no other monitor with this much output in this form factor. And of course it is magnetically shielded.

	V4	V6	V8	V88
<b>Video Shielding</b>	Standard	Standard	Standard	Standard
<b>Drivers</b>	HF 1" Fabric Dome LF 4" Woven Kevlar	HF 1" Silk Dome LF 6" Polyvinyl	HF 1" Silk Dome LF 8" Woven Kevlar	HF 1 1/2" Polymer Dome LF 2 x 8" Woven Kevlar
<b>Input</b>	XLR / 1/4" TRS Combo, 10k ohm Balanced; Pin 1+Sleeve=Ground, Pin 2 + Tip = High, Pin 3 + Ring = Low	XLR / 1/4" TRS Combo, 10k ohm Balanced; Pin 1+Sleeve=Ground, Pin 2 + Tip = High, Pin 3 + Ring = Low	XLR / 1/4" TRS Combo, 10k ohm Balanced; Pin 1+Sleeve=Ground, Pin 2 + Tip = High, Pin 3 + Ring = Low	XLR / 1/4" TRS Combo, 10k ohm Balanced; Pin 1+Sleeve=Ground, Pin 2 + Tip = High, Pin 3 + Ring = Low
<b>Controls</b>				
Variable Input Sensitivity	+6dB to -30dB	+6dB to -30dB	+6dB to -30dB	+6dB to -30dB
3 Position HF Adjust	—	—	+1dB, Flat, -1dB	+1dB, Flat, -1dB
3 Position LF Adjust	—	—	-3dB @45Hz, @50Hz, @65Hz	-3dB @39Hz, @47Hz, @55Hz
<b>Amplification</b>	HF 15 Watts, LF 30 Watts	HF 30 Watts, LF 60 Watts	HF 60 Watts, LF 120 Watts	HF 60 Watts, LF 160 Watts
<b>Frequency Response</b>	65Hz - 20kHz ±2dB	58Hz - 20kHz ±2dB	47Hz - 20kHz ±2dB	39Hz - 23kHz ±2dB
<b>Maximum SPL @ 1m</b>	101dB Music 104dB Peak	102 dB Music, 105 dB Peak	108dB Music, 111 dB Peak	112 dB Music, 115 dB Peak
<b>Dimensions (HWD)</b>	9 1/4" x 6" x 7 1/4"	13 1/2" x 9 1/2" x 10"	15 1/2" x 11" x 12"	13 1/2" x 20" x 16 1/2"
<b>Shipping Weight</b>	11 lbs.	59 lbs. per pair	38 lbs. each	52 lbs. each

## CLOSE-FIELD PASSIVE MONITORS

STUDIO MONITORS

600

### RoKit II



The same cutting-edge technology and smooth, musical sound as the K•RoK II in a compact package. KRK's most affordable monitor, the RoKit II brings KRK sound quality to desktop workstations, offline editing suites, or any environment and budget where great audio isn't just a luxury, but an absolute necessity. The RoKit II monitor features 7/8" MDF

(medium-density fiberboard) construction to control sound reflection and standing waves within the monitor. Double-layer anodized aluminum cone offer extremely low distortion. Carefully molded woofer beauty rings improve midrange frequencies, while advanced dual-port tube designs create improved air flow for rich, solid bass response. Standard magnetic shielding makes placement easy in any studio environment.

### 6000

The 6000 is a high quality compact monitor prescribed for all close-field applications. Weighing only 18 lbs. each (shielded versions are 4 lbs. more), the portable 6000 combines extremely smooth frequency response with very low distortion. Modestly priced, it derives its sonic attributes from the 7000B and shares the same special design inverted dome 1" Kevlar tweeter. The 6000 is also available fully shielded for video applications (6000/S).



### K•RoKII



The next generation of K•RoK monitors take passive near-field to a higher level. The attractive new-look cabinet offers an 8" aluminum tweeter and 1" silk dome tweeter that offers exceptional, accurate, smooth response and higher power handling without ear fatigue.

The K•RoK II monitor features 7/8" medium-density fiberboard construction to control sound reflection and standing waves within the monitor. Double-layer anodized aluminum cone offer extremely low distortion. Carefully molded woofer beauty rings improve midrange frequencies, while advanced dual-port tube designs create improved air flow for rich, solid bass response. Standard magnetic shielding makes placement easy in any studio environment.

### 7000B

The 7000B close-field monitor is the industry standard for top-of-console placement. It offers improved frequency response and lower distortion, a Kevlar woofer and tweeter, and features KRK's phase alignment design. Also very portable at 25 lbs. (each), and compact enough (14.25 x 11 x 11") to fit neatly into facilities with limited space. With a larger 7" woofer and larger cabinet, the bass response of the 7000B extends lower than the 6000. Available fully shielded for video applications (7000B/S).



#### KRK PASSIVE MONITOR SPECIFICATIONS

	RoKit II	K•RoK II	6000	7000B
Video Shielding:	Standard	Standard	Optional	Optional
Drivers:HF:	1" Silk Dome Tweeter	1" Silk Dome Tweeter	1" Inverted Dome Kevlar	1" Inverted Dome Kevlar
LF:	6.5" DLDA aluminum woofer	8" DLDA aluminum woofer	6" Polyglass	7" Polyglass
Frequency Response:	62Hz-20kHz ±2dB	52Hz-20kHz ±2dB	62Hz-20kHz ±3dB	50Hz-20kHz ±3dB
Sensitivity 1W @ 1m:	89dB	90dB	89dB	91dB
Maximum SPL @ 1m:	104dB	106dB	106dB	110dB
Nominal Impedance:	8 Ω	8 Ω	8 Ω	8 Ω
Maximum Power Handling:	120 Watts	120 Watts	75 Watts	150 Watts
Dimensions (WHD):	13 x 8 x 9"	15 x 9 x 10"	13 x 9 x 10"	14½ x 11 x 11"
Shipping Weight:	21 lbs. each	26 lbs. each	36 lbs. per pair	50 lbs. per pair

## EXPOSÉ E8T

*For those seeking perfection, the Exposé E8T is by far the most advanced studio reference monitor available. From the unusual shape to its cutting-edge components, the E8T was designed as the ultimate near-field monitor. Extremely linear frequency response and beautiful stereo imaging starts with two symmetric discrete power amplifiers and newly designed crossover circuitry. A double-woven Kevlar woofer provides commanding bass. The 1" Tioxid 5 tweeter matches titanium for mass and stiffness, but offers superior damping qualities for highs you can reach out and touch. Available in custom colors and finishes. Video shielding is standard.*



## S SERIES SUBWOOFERS



### S8

*The S8 is ideal for small areas. Construction consists of 3/4" MDF, which reduces resonance diminishing coloration to provide a more even sound. Like it's big brothers, the S12 and S10, the S8 has radiused corners and edges, and a slotted port to give you tighter bass. One of the features of the S8 is a low pass variable that enables you to tailor the crossover point to match satellite monitors. The phase switch also gives you flexibility in room placement. Matched with five V4 powered speakers, it's the perfect surround solution for limited space.*



### S12

*Virtually the same as the S10, the S12 features a cast frame 12" woofer with a special Kevlar cone. It has both vertical and horizontal internal braces, and the ports are covered with sound deadening material. Compared to the S10, the S12 has a better low frequency limit (31 Hz) and is 3 dB louder.*

### S10

*The S10 features a cast frame 10" woofer with a special Kevlar cone. Created wide instead of tall, it fits easily under your mixing console. The built-in active crossover is designed for both LCR and 5.1 systems. Look inside and you'll see incredible attention to detail; the S10 has both vertical and horizontal internal braces, and even the ports are covered with sound deadening material. These are the kind of details that add up to make the S10 the best sounding active subwoofer in its price range.*



	S8	S10	S10
<b>Drivers</b>	LF 8" Woven Kevlar	LF 10" Woven Kevlar	LF 12" Woven Kevlar
<b>Input Connections</b>	2 channel XLR 10K $\Omega$ Balanced	2 channel XLR 10K $\Omega$ Balanced	2 channel XLR 10K $\Omega$ Balanced
<b>Output Connections</b>	2 channel XLR	2 channel XLR	2 channel XLR
<b>Controls</b>	System Gain +6dB to -30dB Variable; Low Pass 50Hz-130Hz Variable; Phase Adjust Switch 0° or 180°		
<b>Line Out HP Filter</b>	80Hz fixed	80Hz fixed	80Hz fixed
<b>Amplification</b>	100 Watts	125 Watts	160 Watts
<b>Frequency Response</b>	43Hz to 50Hz-130Hz Variable	38Hz to 50Hz-130Hz Variable $\pm$ 2dB	31Hz to 50Hz-130Hz Variable $\pm$ 2dB
<b>Dimensions (HWD)</b>	10½ x 14¼ x 12¾"	13 x 18¼ x 17"	15 x 22 x 20"
<b>Shipping Weight</b>	34 lbs. each	53 lbs. each	72 lbs. each

# MACKIE

## HR624/HR824

STUDIO MONITORS

602

### 6.7" and 8.75" 2-Way Active Near-Field Monitors

One of the most accurate near-field monitors ever built, thousands of recording studios and post-production facilities rely on the HR824 to reveal details that comparable monitors simply cannot resolve. Frequency response is an astonishing 38Hz to 20kHz  $\pm 1.5$ dB. To achieve such a sweet spot and smooth response, the HR824 uses technology not found in typical vented-box near field monitors. A cast zinc exponential waveguide disperses sound evenly and integrates the output of the HF and LF drivers. Its servo-coupled LF transducer works in conjunction with a rear-firing passive transducer to extend low octaves and eliminate vent noise. The HR824 uses two separate high-current amplifiers with discrete circuitry. And it is fully stuffed with dense foam to fully damp internal vibrations before they can escape through the LF transducer.

Employing the same acoustic technology as the HR824, but in a compact version, the HR624 is ideal for rear surround sound channels in existing HR824 front left/right systems or as a main monitor system in control rooms and editing suites where space is at a premium. When using the HR624 as the primary monitor in project rooms or off-line editing suites, mixes will flawlessly transfer to an "A" room that employs HR824's. The HR624 is flat  $\pm 1$ dB from 55Hz to 20kHz.



### HR626

#### Dual 6.7" Active Studio Monitor

The latest addition to the HR series, the 140-watt HR626 employs a D'Appolito woofer-tweeter-woofer design (one 6.7" woofer on each end of the cabinet with the dome tweeter in the center) to provide a bottom end coupled with low-level accuracy of the mid range—the essential component for establishing vocal placement within a mix. Placing the HR626 in a vertical position provides extremely accurate reference monitoring for mid-to large-sized studios.

Additionally, with its symmetrical

left-right sound field, the HR626 can be placed horizontally making it a perfect center channel for 5.1 and 7.1 surround sound studio or home theater systems.

THX PM3 certified, the HR626 uses a high-frequency Waveguide-loaded 1" dome tweeter for crisp, evenly dispersed highs along with dual 6.7" low frequency drivers that are able to provide extended low-frequency response while preserving the speed and accuracy of a single 6" design.

Like the HR624, the HR626 incorporates dual FR Series amps (100w to the woofer, 40w to the tweeter), 1/4" XLR balanced and RCA unbalanced inputs, sensitivity control, 80Hz high-pass filter,  $\pm 2$ dB high frequency shelving filter, Acoustic Space control and Auto On switch. Front panel provides a Standby/Mute switch along with power and overload LEDs. 5/8" internally braced MDF cabinet is extremely rigid and non-resonant.

#### HR624/HR824 Features

- ◆ Wave guide technology matches the high frequency dispersion pattern to the bass transducer for a seamless midrange transition. Furthermore, the high frequency transducer is recessed, providing acoustic alignment of high and low frequencies.
- ◆ 1" high-frequency aluminum dome driver with ferrofluid-cooled voice coil.
- ◆ High frequency shelving control adds or attenuates frequencies above 10kHz by 2dB
- ◆ 6.7" (HR624) or 8.75" (HR824) RCF Precision low frequency transducer with mineral-filled polypropylene cone, die-cast magnesium frame and extra-long-throw voice coil are servo-coupled with a dedicated 100-watt or 150-watt amplifier
- ◆ 40-watt (HR624), 100-watt (HR824) high frequency amplifier. Proprietary Fast Recovery circuitry prevents latching when the amps are driven at their maximum.
- ◆ Low frequency switch with 49Hz (full range) and 80Hz roll-off settings (HR624); 37Hz (full range) 47Hz and 80Hz roll-off settings (HR824)



For Any Inquiries Regarding Your Order, Call Our Customer Service:  
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# MACKIE

## HR624/HR824

- ◆ Magnetic shielding
- ◆ Input sensitivity control, ideal for dealing with sensitive artists or insensitive clients
- ◆ Overload LED indicates when protection circuitry kicks in
- ◆ Acoustic space switch allows bass optimization when placed freestanding (full space), against back walls (half space), and corner placement (quarter space)
- ◆ 1" MDF (Medium Density Fiberboard) front board. Internal cavity is filled with high-density foam to absorb the internally-projected midrange before it can exit through the low frequency transducer cone
- ◆ Three mode power switch: On, Auto On (with front panel clipping LED and a signal present/power indicator), and standby
- ◆ XLR and TRS jacks accept virtually any line-level input from a mixing console
- ◆ Power cord and all inputs (balanced XLR and 1/4" TRS, unbalanced RCA) are mounted on a downward-facing, vertical panel. This allows speaker placement close to walls and eliminates strain on the connectors.

### HRS120/HRS150

#### 12" 500-watt and 15" 950-watt Active Subwoofers

*The HRS120 is not only designed to work perfectly with the HR624/824 monitors, but with any active system where fast, precise low-frequency reproduction and flexible monitoring and control options are required. Rather than creating boomy "home theater"-style bass, the HRS120 delivers extremely accurate low end (flat to 21 Hz and just 3dB down at 19Hz). If your mixes are heavy in bass and beats, such as rap, hip hop and techno, the HRS150 with 950 watts of power driving the 15" downward firing woofer and dual 12" passive radiators is the perfect choice.*



- ◆ The subs can be defeated while keeping the satellite speakers in high-pass-only mode, or switch out the subwoofer and open up the satellite speakers to their full frequency range
- ◆ A 110/Hz elliptical filter for Dolby AC-3, THX Crossover Defeat switch, and 0dB/+10dB Output Level switch for AC-3/THX Dot1 operation make the HRS120 a serious tool for sound production
- ◆ The HRS150 provides simple switches for THX low cut filter and LFE gain allowing accurate THX mixing and monitoring. Additional filter options allow for AC-3 and DTS applications.
- ◆ Left and right inputs are provided for a 24dB per octave variable crossover ranging from 55-110 Hz allowing the subs to match crossover points with any monitors.

	HR824	HR624	HR626
<b>Frequency Response</b>	39Hz - 20kHz $\pm$ 1.5dB	52Hz - 20kHz $\pm$ 1.5dB	42Hz - 20kHz $\pm$ 1.5dB
<b>Maximum SPL @ 1m</b>	120dB	115dB	118dB
<b>LF Transducers (Low Frequency)</b>	8.75" with die-cast magnesium frame polypropylene cone	6.7" with die-cast magnesium frame polypropylene cone	6.7" with die-cast magnesium frame polypropylene cone
<b>HF Transducers (High Frequency)</b>	1" viscous edge-damped aluminum dome with ferrofluid-cooled voice coil	1" viscous edge-damped aluminum dome with ferrofluid-cooled voice coil	1" viscous edge-damped aluminum dome with ferrofluid-cooled voice coil
<b>Transducers (Passive)</b>	6x12" elliptical flat piston with variable thickness filleted rubber surround	6x9" elliptical flat piston with variable thickness filleted rubber surround	6x9" elliptical flat piston with variable thickness filleted rubber surround
<b>Amplifier (LF Power)</b>	150 watts, 4 $\Omega$ load, 350w peak	100 watts, 4 $\Omega$ load	100 watts, 4 $\Omega$ load
<b>Amplifier (HF Power)</b>	100 watts, 6 $\Omega$ load, 210w peak	40 watts, 8 $\Omega$ load	40 watt, 8 $\Omega$ load
<b>S/N Ratio (LF)</b>	> 102 dB, referenced to 150 watts into 4 $\Omega$	>101dB, referenced to 100w into 4 $\Omega$	>101dB, referenced to 100w into 4 $\Omega$
<b>S/N Ratio (HF)</b>	> 102 dB, referenced to 100 watts into 6 $\Omega$	>93dB, referenced to 40w into 8 $\Omega$	>93dB, referenced to 40w into 8 $\Omega$
<b>Crossover Type</b>	Modified Linkwitz-Riley 24dB/oct @ 2kHz	Modified Linkwitz-Riley 24dB/oct @ 3kHz	Modified Butterworth 18dB/oct @ 1.8kHz
<b>Enclosure</b>	3/4" MDF with 1" MDF front panel	5/8" MDF with 1" MDF front panel	5/8" MDF with 1" MDF front panel
<b>Controls</b>	Acoustic Space EQ: flat/-2dB/-4dB @40Hz High Frequency EQ: flat/ $\pm$ 2dB@10kHz LF Roll-off EQ: flat/47Hz (4th-order Chebyshev filter)/80 Hz (4th-order Butterworth filter)		Acoustic Space EQ: flat/-2 dB/-4 dB @ 40 Hz High-Frequency EQ: flat/ $\pm$ 2 dB @ 10 kHz; LF Roll-off EQ: flat/80 Hz (2nd-order Butterworth filter)
<b>Dimensions (HxWxD)</b>	15.75 x 10 x 12.2"	13 x 8.25 x 12.5"	8.8 x 19.6 x 12.4"
<b>Weight</b>	33 lbs.	25 lbs.	31 lbs.

# M-AUDIO

## SP-5B/SP-8B

STUDIO MONITORS

604

### *Active Near-Field and Reference Studio Monitors*

*If you have limited space or budget, the sound of the SP-5B near-field monitors will amaze you. You get the same engineering criteria and component quality that goes into the SP-8B reference monitors: two-way bi-amped power, magnetic shielding, swivel-mounted tweeter, high-quality crossover network electronics and Sub-Frequency Port. The 5" mineral-filled polypropylene woofer and 3/4" silk tweeter accommodate a smaller cabinet design that allows placement just about anywhere—all with a frequency response of 48Hz to 22kHz. Backed by 75 watts of power, these babies scream.*



*The SP-8B offers two-way bi-amped near-field technology delivering 100 watts of professional sound at a fraction of the cost of similar-sized monitors. The 8" mineral-filled polypropylene woofers and 1" silk tweeters work in conjunction with 4th-order Linkwitz Riley crossover networks and custom cabinet designs to yield smooth frequency response across the audio spectrum. The Sub-Frequency Port even pumps out frequencies down to 33Hz. Magnetic shielding minimizes interference with computer monitors and the unique swivel-mounted tweeter design even allows you to fine-tune your sweet spot.*

#### **Why Studiophile Monitors?**

You can have all the best gear in the world and still turn out inferior mixes unless you have monitors that tell your ears what's really happening. With that in mind, M-Audio designed the Studiophile line—world-class reference monitors that deliver exceptional quality at amazingly affordable prices. Choose from the SP-8B with 8" woofer or the bookshelf-sized SP-5B with 5" woofer. Add the optional SP-8S subwoofer to either and you've got all the bass you need to rattle the rafters.

The key to the Studiophile line's accurate sound is the synergistic design and integration of all elements, thus providing superior performance and fidelity over component systems. Specially designed network and power amplifiers properly distribute low, mid, and high frequencies to reduce distortion and power loss. M-Audio further optimized the active circuitry to deliver flat frequency response, smooth transition in the crossover region, and maximized power handling.

The silk tweeters are swivel-mounted, allowing you to adjust their position for ultimate control over imaging and sweet spots. The tweeters also incorporate magnetic shielding to minimize reaction time, as well as ferro-fluid and internal damping technologies to minimize resonance. The woofers feature a magnetically shielded mineral-filled polypropylene cone with a high-temperature tolerant voice coil and damped rubber surround. And the cabinet designs produce amazing bass for these sized enclosures thanks to a Sub-Frequency Port designed to discharge extreme low frequencies.

#### *Studiophile Standard Features*

- ◆ Active design with integral crossover and amplification
- ◆ Silk high-frequency drivers incorporate ferrofluid cooling and internal damping technologies to minimize resonance
- ◆ Low-frequency drivers feature mineral-filled polypropylene cones with high-temperature tolerant voice coils and damped rubber surrounds
- ◆ Electronic time alignment of drivers delivers controlled dispersion for superior three-dimensional imaging
- ◆ All drivers are magnetically shielded for desktop music production
- ◆ Protected from RF interference, over temperature, turn on/off transients
- ◆ The tweeter is swivel mounted so that you can adjust the position and direction. This unique feature accommodates various loudspeaker-mounting positions, allowing great control over imaging.
- ◆ The Sub-Frequency Port discharges extreme low frequencies under 30Hz. The monitors take advantage of this port to generate extreme low frequencies despite the small footprint of the enclosures.



**EQUIPMENT LEASING AVAILABLE**

# M-AUDIO

## BX5/BX8

### Reference Monitors

The latest in the popular Studiophile series, the BX5 and BX8 deliver exceptional quality and professional sound. They offer 5.25" (BX5) and 8" low-frequency drivers (BX8), 1" high-frequency drivers, and 75 or 130 watts of bi-amped near-field technology at a fraction of the cost of other monitors of this quality. The 1" natural silk high-frequency drivers employ a flush design and electronic time alignment with the low-frequency driver, resulting in controlled dispersion for superior three-dimensional imaging. The tooled rear Sub-Frequency Ports reduce low-frequency turbulence and optimize driver excursion for amazing bass in a small footprint.



STUDIO MONITORS

#### Monitors that adapt to your needs

Your monitors should be able to adapt to any changes in placement or work environment. That's just what the BX5 and BX8 do. Since a monitor's bass response can change depending upon proximity to walls, their Acoustic Space control section allows you to optimize their performance—no matter whether you need to put them on stands, on a bookshelf or in the corners. You can also adjust the high-frequency response to compensate for reflective surfaces like glass. The presence control gives you an automatic mid-range boost for added flexibility. There's even a variable low-frequency roll-off to optimize response at crossover points when adding a subwoofer like the SP-8S.



Acoustic Space Control Section

605

	SP5B	SP8B	BX8
Type	2-way near field	Two-way near-field	Two-way studio reference
Frequency Response	33Hz - 22kHz	33Hz - 22kHz	37Hz - 20kHz
Crossover Frequency	2.7kHz	1.8kHz	1.8kHz
Power	LF: 42w; HF: 33w	LF: 55w; HF: 45w	LF: 65w; HF: 65w
S/N Ratio	>100dB below full output, 20kHz bandwidth	>100dB below full output, 20kHz bandwidth	>100dB below full output, 20kHz bandwidth
Input Impedance	30k $\Omega$ balanced, 15k $\Omega$ unbalanced	20k $\Omega$ balanced, 10k $\Omega$ unbalanced	20k $\Omega$ balanced, 10k $\Omega$ unbalanced
Dimensions (HWD)	9.8 x 6.2 x 7.9"	15 x 9.8 x 11.8"	15 x 9.8 x 11.8"
Weight (per unit):	11 lbs.	20.3 lb.	20.3 lb.

### SP8S Subwoofer

While the SP-8B and SP-5B offer as much or more bass response as you'll find in any monitors of similar size, the addition of an SP-8S subwoofer puts 120 watts of truly bone-shaking bass in your face. In fact, so many consumers have subwoofers that you're not really mixing accurately without having a sub yourself. M-Audio's unique Stereo Bass Management System splits the signal at the variable crossover frequency, routing everything below to the sub and everything above to the mains. The SP-8S is so affordable, it makes an excellent companion to other monitors as well.



#### What's Stereo Bass Management?

When subwoofers are added to many systems, all frequencies are routed to both the main monitors and the sub. The sub typically has a low-pass filter to roll off the highs—as does the SP-8S. The problem is that both the main monitors and the sub are still trying to put out the same low frequencies, thereby compromising fidelity. Our Stereo Bass Management System solves that and delivers optimal quality. The SP-8S accommodates the stereo outputs from your mixer, and your main monitors then connect to outputs on the sub. The SP-8S's internal crossover network splits the signal at a user-defined crossover frequency (50-180Hz), routing everything below it to the internal sub and everything above it to the main outputs. This significantly improves fidelity because the sub and mains aren't tripping over each other to reproduce the same frequency—and each component only has to reproduce frequencies to which it is ideally suited.

# NHT PRO

## A-20/C-20

### Powered Studio Monitors

*NHTPro believes a studio monitor shouldn't deliver "good" sound, but complete sound. Like a fine sports car, the goal isn't comfort, but total feedback about road and driving conditions. When all is said and done, your studio monitor is what links flesh and blood into the recording console, enabling you to make the expert decisions that mean exceptional product.*

*Through it all - miking decisions, mixing decisions, processing decisions - your monitors must remain unflinchingly accurate and unerringly consistent. There is little point in developing new monitors and then adhering to traditional design decisions. This is why you'll find that many important aspects of NHTPro's modular monitoring systems, while sharing basic functional elements with other speakers, are unconventional.*

#### Modular Amplification

The first element that distinguishes NHT monitors from other powered monitors is their use of "external" amplifier/crossover modules. The benefits of powered systems are widely recognized, but it often goes unnoticed that integrating the crossover and amplifier into the speaker enclosure can produce performance and convenience penalties. NHT's external approach maintains the advantages of a unified system, while overcoming the limitations of single box designs. Dynamic headroom and sustained power output capabilities are on par with the finest rack-mounted amplifiers, with response tailored exactly to the monitors. Controls are easy to reach, logical to use, and designed for positive, repeatable setting.

#### Crossovers

They use passive components that are small, electrically well-behaved and can be made to naturally "track" changes in the driver frequency for consistent response at high listening levels. Furthermore, single amp systems can be designed with a lower residual noise floor than bi-amped ones, due to a much simpler signal path, and to the introduction of bandwidth filtering just prior to the driver terminals. Each modular system comes with matched, controlled-parameter, low impedance XLR speaker cables.

#### Features

- ◆ Dedicated 250-watt/channel, fully discrete mono (C-20), stereo (A-20) amplifier
- ◆ 6.5" high excursion, treated paper cone woofer
- ◆ 1" metal-dome, fluid-cooled tweeter
- ◆ Magnetic shielding (partial on the A-20)
- ◆ Power, clipping indicator
- ◆ Matched impedance cable(s) included
- ◆ Angled speaker cabinets improve detail imaging (A-20 only)
- ◆ Headphone output (A-20 only)

#### Controls

- ◆ Inputs: XLR and 1/4" TRS (parallel)
- ◆ Outputs: XLR
- ◆ 5-position input sensitivity: (+11, +4, -3, -10dB, mute)
- ◆ 5-position LF compensation for boundaries
- ◆ 5-position HF compensation for near, mid, and far field
- ◆ Power: On/Off
- ◆ Diagnostic display: SPL, line VAV, heat sink temperature



#### A-20 System

When your work demands the absolute in resolution, the A-20 is your ally in excellence. By providing both frequency and time domain performance that sets new standards of accuracy, the A-20 reveals the minute differences in sound character that distinguish the very finest recordings. Details of microphone selection and placement, processing and equalization, reverberation and acoustic signature, signal purity and integrity, are revealed without emphasis or disguise.



C-20 amplifier

#### C-20 System

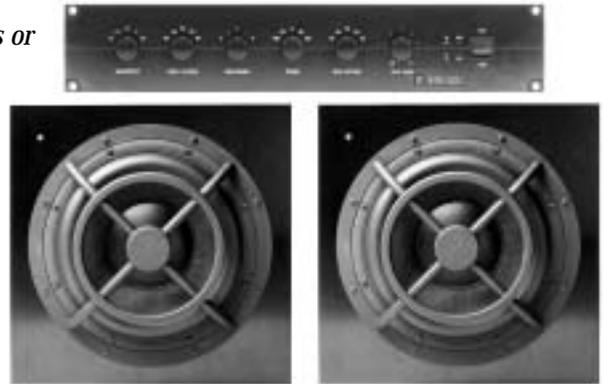
The C-20 is a powered center channel monitor designed for surround recording. Combined with the A-20 system and B-20 powered subwoofer, the C-20 forms the basis of a matched, balanced reference-quality 5.1 monitoring solution. The C-20 is an exact duplicate of A-20 stereo monitoring system in a monaural configuration. The 250-watt amplifier is housed in a space saving 1RU chassis with the same input and control set. It employs the same A-20 driver configuration in an acoustic suspension design. However, the enclosure is rectangular for proper center channel dispersion.

# NHT PRO

## B-20

### Powered Subwoofer System

Designed to integrate seamlessly with NHTPro's flagship A-20 monitors or any larger powered monitoring system, the B-20 produces remarkable, musical bass from a compact and flexible design. With output >100dB at 30Hz, the B-20 adds full frequency response and dynamics to near, mid and far-field monitoring environments. Offering a fully featured set of controls, the system can be seamlessly integrated with most monitors and most rooms. And the remote control included in the B-20 system integrates it into any sort of mix or production, offering on the fly stereo/mono switching and system in/system bypass, which also engages or defeats the high pass filter.



#### FEATURES

- ◆ The B-20 is a 3-piece system consisting of two acoustic suspension subwoofers mated to a dedicated external stereo amplifier. The system maintains nearly perfect transient response, and whether in stereo or mono mode delivers flat bass response with minimal room interaction and remarkable system coherence.
- ◆ Employs two custom designed, extremely long throw paper cone woofers with massive surrounds. Excursion for the woofer is 2" peak to peak and 1.6" linear allowing high output with low distortion.
- ◆ Each 14" square B-20 cabinet is constructed of 1" MDF bonded to high-pressure laminate both internally and externally creating a rigid, sonically-neutral environment for each driver. Cones are provided to decouple the woofer from the floor if required.
- ◆ The system's control amplifier is similar to other NHT Pro modular designs. This approach offers superior heat dissipation and eliminates potential vibration induced problems allowing higher power levels and improved headroom. As a result, the B-20 Control Amplifier, featuring dual-mono construction with discrete output devices, delivers 250W RMS/CH (400W peak), while taking up only two rack spaces.
- ◆ Ergonomically, this modular design puts the B-20's user controls, all of which are located on the front of the amplifier, within reach of the listening position providing ease of setup and fine adjustments.

#### Controls

- ◆ A five-position low frequency compensation circuit is provided for adjusting the system's bass response for corner placement (three boundaries), mid-room placement (zero boundaries), or anywhere in between. Lets you maintain a consistent, flat power response in a variety of positions or differing locations.
- ◆ High and Low Pass filters provide the ability to seamlessly match the subwoofers to the monitors and add improved system dynamics. High pass settings are 35Hz, 60Hz, 85Hz and 100Hz. The low pass settings are 70Hz, 85Hz, 95Hz and 105Hz. In addition each filter circuit includes a Bypass setting.
- ◆ Five-position input sensitivity control (+11dB, +4dB, -3dB, -10dB, and Mute) provides for noise free gain matching with virtually any output device, but also allows the listener to easily turn off the monitors when other playback systems are desired.
- ◆ Five position (-180, -90, 0, 90, 180°) phase compensation control for such variables as room placement, listening position and the types of monitors being used. Phase positions are
- ◆ Subwoofer gain control matches the B-20 output level to that of the monitors. The B-20 gain circuit offers a 20dB range of adjustment.

	B-20	S-00
Type	Modular, active stereo subwoofer system	Integrated, Self-powered Subwoofer
Configuration	Acoustic suspension	Acoustic suspension
Woofer	Two, 10" ultra-long excursion (1" linear, peak-to-peak), treated paper	8" treated paper cone
Amplifier Power	250w RMS/channel, 400w peak	125W (continuous rms/ch), 250W (500ms peak)
Response	29Hz - 100Hz @1M	39Hz - 110Hz @ 1M ± 3dB
-6dB LF Cutoff	25Hz (in-room response)	
Peak Acoustic Output	110dB SPL @ 40Hz	108dB SPL @ 60 Hz
Control Amp Dimensions / Weight	3.5 x 19 x 13.375" (HWD) / 37lbs.	
Subwoofer Dimensions / Weight:	14 x 14 x 16" (HWD, including grill) / 38lbs (each)	13.25 x 10.25 x 13" (HWD) / 30 lbs.
Monitor Enclosure Materials	1" mdf w/ HP laminate (internal + external)	

# NHT PRO

## M-00

### Powered Mini-Monitor

Versatile, powerful, compact and portable, the M-00 combines the refined sonics of a high-end mini-monitor with rugged construction, high output, logical controls and a wide range of input options, making it ideal for location work, multimedia, the control room, editing suite, surround monitoring and desktop audio production. The M-00 packs substantial output, surprising bass response and startling accuracy in a remarkably small monitor. The fully magnetically shielded M-00's are sold individually, providing application flexibility in mono monitoring, two-channel, 5.1 or daisy-chained configurations for use in "light" commercial installations.



- ◆ Paper cone 4.5" woofer with a two-layer voice coil allows sustained high temperature operation, while the 1" ferro-fluid cooled, fabric dome tweeter employs a sophisticated "under-hung" motor design for improved transients and lower distortion.
- ◆ Cast aluminum-zinc alloy enclosure is structurally rigid, minimizing audible resonance and sonic coloration. The enclosure also acts as a massive heatsink, allowing the use of a high voltage, discrete power amplifier.
- ◆ Fully discrete power amp provides 75W RMS continuous (150W peak) output. Magnetically shielded as well to allow use in direct proximity to computer monitors.
- ◆ XLR, TRS and phono input jacks, allow easy direct connection to a variety of devices while minimizing the need for adapters.
- ◆ Also provides noise free connection to a wide variety of devices, via its +4dB/-10dB input sensitivity switch.
- ◆ XLR and TRS inputs are paralleled so that multiple M-00's can be daisy chained on a single channel
- ◆ Capable of near-field and mid-field listening positions depending on your listening proximity, with a simple flip of the switch.
- ◆ The M-00 has mounting bosses and threaded holes for use with the popular OmniMount 50/53 Series bracket systems. May also be wall or ceiling mounted .

	A-20	M-00
<b>Type</b>	Modular, self-powered near/mid/far-field monitor	Integrated, self-powered near/mid-field monitor
<b>Woofer / Tweeter</b>	6.5" treated paper / 1" aluminum dome	4.5" treated paper / 1" soft fabric dome
<b>Amplifier Power</b>	250w (continuous rms/ch), 400w (100ms peak)	75w (continuous rms/ch), 150w (100ms peak)
<b>Peak Acoustic Output</b>	117dB SPL (100ms pink noise @ 1M)	111dB SPL (100ms pink noise @ 1M)
<b>THD @ 90dB SPL</b>	< 0.4% (100Hz - 10KHz @ 1M)	< 1.0% (100Hz - 10KHz @ 1M)
<b>Dimensions (HWD)</b>	14 x 7.5 x 11.9"	9 x 5.7 x 7.3"
<b>Weight</b>	17 lbs.	14 lbs.

### S-00 Powered Subwoofer



For those wanting a full-range compact surround monitoring system, the S-00 is a compact, subwoofer designed for use with the M-00 or other small powered monitors. The S-00 features a 125-watt high voltage built-in amplifier incorporating low and high pass filters and a footswitch for bypass. Its driver is a long-throw treated paper 8" woofer providing output down to 39Hz. Less than one cubic foot in volume, the S-00's cabinet is constructed from 3/4" MDF, providing a structurally sound and fully acoustically neutral cabinet. A durable powdercoat finish protects it in portable uses.

- ◆ Switchable high pass filter, variable low pass filter
- ◆ Detented variable subwoofer output control
- ◆ Defeatable Auto Power-On sensing circuit with front LED indicator
- ◆ Two-position input sensitivity (+4, -10dB) control
- ◆ Subwoofer + highpass filter defeat via footswitch
- ◆ Balanced TRS outputs; parallel balanced TRS, XLR, and unbalanced phono inputs

# SAMSON

## RESOLV 50A



### Active Reference Monitors

The Resolv 50a has a compact cabinet that will fit anywhere. It features 70 watts of bi-amped power; with 50 watts driving a 5.25" midrange driver, and 20 watts driving the 1" ferro-fluid titanium high frequency driver. It has an active crossover, 1/4" and RCA inputs and the compact cabinet is ported, carefully tuned and wall mountable (with optional bracket).



## RESOLV 65/RESOLV 65a

### Passive/Active Reference Monitors

Ideal for professional, project and personal recording, as well as multimedia setups, the Resolv 65 (passive) and 65A (powered) sound full and balanced with an uncompromised transparent midrange, leaving room to accurately mix vocals, snare hits and reverb trails.

◆ They feature 6.5" copolymer butyl surround Woofer, a 1" titanium diaphragm, high-frequency driver and gold plated binding posts all mounted in a ported tuned cabinet.

◆ The Resolv 65 and 65a utilize a midrange contour control. In the nominal position, the monitors are clinically accurate, but by dialing in the control, you can tailor the frequency response from Hi-Fi to an aggressive midrange, emulating classic near field monitors.

◆ Otherwise identical, the Resolv 65a is powered by a dual power amp. (75 watts low and 25 watts high) perfectly matched to the drivers. The active crossover allows precise control of the crossover frequency.



## RESOLV 80a

Ideal for mid- to large-sized control rooms where high volume and serious bass response is required. Bi-amped, with 75 watts driving an 8" woofer and 25 watts driving a 1" ferro-fluid filled titanium tweeter. The Resolv 80a has 1/4", RCA and XLR inputs. The 80a features a four-position adjustable midrange control.

## RESOLV 120a Active Subwoofer

Taking care of the low end is the Resolv120a powered subwoofer. A powerful 120 watt low frequency amplifier drives a heavy-duty 10" transducer, reproducing tones between 40-180 Hz. The unit has a built-in active crossover, a phase switch, an auto sleep mode and a convenient mute switch jack allowing the user to easily switch on and off the subwoofer on the fly.



	Resolv 50a	Resolv 65a	Resolv 80a	Resolv 120a
LF Amp	50 watts @1k into 4Ω	75 watts @1k into 4Ω	75 watts @1k into 4Ω	120 watts into 4Ω
HF Amp	20 watts @10k into 4Ω	30 watts @10k into 4Ω	25 watts @10k into 4Ω	—
Frequency Response	60 Hz to 30 kHz	40 Hz to 20 kHz	40 Hz to 20 kHz	30 Hz to 150 Hz
Dimensions (HWD) / Weight	12 x 8 x 9.5" / 14 lbs.	13" x 8.5 x 9" / 18 lbs.	16 x 11 1/4 x 13" / 21 lbs.	14.5 x 14.5 x 17.5" / 39 lbs.

# TANNOY

## SYSTEM 600/800

STUDIO MONITORS

610

### 6.5" and 8" Dual Cocentric Near-Field Monitors

Compact, professional near-field reference monitors, the System 600 and System 800 offer the advantages of point source operation in a very cost-effective design. Their advanced 6.5- and 8" Dual Concentric drivers incorporate a high performance tweeter positioned immediately behind the center of the bass cone. This design produces all frequencies from a single point, mirroring the way sound is produced in real life. The accurate phase response achieved delivers a realistic soundstage along with a smooth and natural sound which is unfatiguing over long listening periods. The speakers are also capable of high volume levels without compression and deliver an excellent transient response. In addition, the attractive octagonal shape of their cabinet with their original rounded edge corners front panel contributes to the excellent acoustic performance of the cabinet. And though they are designed to be located on top of the mixing console, in a landscape format, they can be used in portrait mode without any drawback, if the situation calls for it.

Capable of producing accurate, high quality sound for a wide range of applications, the System 600 is the ideal choice for those who want consistent performance in a compact enclosure at a very sensible price. A slightly larger version, the System 800 uses an 8" Dual Concentric driver for extended bass and higher monitoring levels. Finally, for those who need to use the near-fields near video monitors, shielded versions of the System 600 and System 800 are available.



### Proto-J

The Proto-J is the latest playback monitor from Tannoy. It has an extremely detailed, dynamic sound with a wide, flat frequency response - all of which are essential for monitoring with reliable accuracy. The 3/4" soft dome HF unit is seamlessly matched to a 6.5" long throw bass unit by the precision low-loss crossover network. The drive units are discretely mounted on a 3/4" MDF baffle. The front edges of the vented enclosure are chamfered to reduce high frequency diffraction. The back panel features two 5 way binding post inputs and integral inserts to accommodate OmniMount 50 Series wall brackets that allows wall mounting for easy and flexible 5.1 surround sound installs. Proto-J is designed to compliment the Tannoy PS 110B 5.1 Subwoofer as a complete package.



### Dual Concentric Design

Conventional monitor designs lock you into a tiny 'sweet spot' monitoring position. Move to adjust a fader and the sound changes. Not with Tannoy's Dual Concentric monitors. The patented Point Source design creates a coherent wavefront that is consistent both on and off axis. The result is a high performance reference monitor which you can trust, providing consistent accurate sound over a wide mix position.

The System 600 and 800 monitors use the Dual Concentric design, in which the woofer and tweeter are mounted on the same axis. Their 6.5- or 8" polypropylene woofer crosses over at 1.6 kHz to the tweeter centered in the woofer cone. This design forms a point source, which results in sharp stereo imaging. It also prevents the lobing often seen with staggered drivers. If you sit anywhere off-axis — up, down, left or right — the response is consistent. The speakers can be placed horizontally or vertically with the same response. The shape of the woofer cone acts as a hyperbolic waveguide for the tweeter sound waves, producing a spherical wavefront. And since the low- and high-frequency signals are aligned in time, the phase response is uniform and the transient response is tight.



EQUIPMENT LEASING AVAILABLE

## SYSTEM 600A/800A

### Active 6.5" and 8" Dual Cocentric Near-Field Monitors



#### System 600/800 Features

- ◆ Ferrofluid cooling in the tweeter lets it handle high power. Diaphragm is made of aluminum/magnesium for stiffness and low mass. Around the diaphragm is a nitrile rubber surround with a narrow roll that eliminates resonances below 25 kHz, and cannot be destroyed by fatigue.
- ◆ Signal input is via a Neutrik combi connector, which combines a three-pin XLR-type with a TRS locking 1/4" phone jack.
- ◆ Made of 36mm thick rigid MDF, damped to prevent breakup. The cabinet is covered in black vinyl wrap, while the front baffle is painted midnight blue.
- ◆ Cabinet is shaped like an elongated octagon, with beveled edges that reduce diffraction.
- ◆ Two panels in the cabinet are fitted with magnetic shielding plates
- ◆ Each speaker weighs 23.1 lb. and measures a compact 9 x 14 x 11" (HxWxD)

#### System 600A/800A Step-up Features

- ◆ Two EQ switches on the back control the bass and treble response (LF /HF contour)
- ◆ The LF settings are free-field and half-space. If your speakers are placed relatively far from nearby surfaces, use the free-field setting. If the speakers are near a wall or console, use the half-space setting
- ◆ HF adjustments are +2/0/-2 dB shelving
- ◆ Selectable input level (-10 dBV and +4 dBu)
- ◆ On the front of the cabinet are two bass-reflex ports and a power-on LED

Combining the proven quality of the System 600 and 800 with two amplifiers and fully optimized electronic crossover in a single compact package, the System 600A and System 800A provide the complete solution to active monitoring, yet are in the same price range as some passive speakers. The System 600A and System 800A offer all the advantages of point source operation in a cost-effective design, combined with the benefits of active speaker technology: a highly optimized active crossover section; ideal matching between amplifiers and transducers; higher output for lower distortion. Active user controls are also provided to allow further bass extension (LF contour) and greater flexibility.

#### System 600A

Active reference monitor, with two 70W amplifiers and electronic crossover. Unique cabinet shaped for optimum acoustic performance. Ideal for left-center-right in a project studio surround system.

#### System 800A

8" Dual Cocentric drive unit, with two 90W amplifiers and electronic crossover. A complete monitoring package with the ability to exploit the full performance of today's digital recording equipment.

	System 600	System 800	System 600A	System 800A
<b>Description</b>	Nearfield reference monitor 6.5" Dual Concentric unit	Nearfield reference monitor 8" Dual Concentric unit	Active nearfield reference monitor 6.5" DC unit. 70w + 70w Active crossover. Shielding option	Nearfield reference monitor 8" DC unit. 90w + 90w Active crossover. Shielding option
<b>Frequency Response</b>	52Hz - 20kHz	47Hz - 20kHz	44Hz - 20kHz	44Hz - 20kHz
<b>Power Handling RMS/Program</b>	80w/160w	90w/180w	—	—
<b>Built-in Amp power RMS</b>	—	—	HF 70w + 70w	HF 90w + 90w
<b>Input Sensitivity</b>	—	—	-10dBu or + 4dBu	-10dBu or + 4dBu
<b>Sensitivity anechoic/half space</b>	90dB/93dB	92dB/95dB	—	—
<b>Impedance</b>	8Ω	8Ω	10kΩ balanced	10kΩ balanced
<b>Dispersion</b>	90° conical	90° conical	90° conical	90° conical
<b>Dimensions</b>	8.7 x 14.2 x 10.5"	10.8 x 17.7 x 10.5"	8.7 x 14.2 x 11.4"	10.8 x 17.7 x 11.4"
<b>Weight</b>	16.5 lbs.	23 lbs.	20.9 lbs.	28.6 lbs.

# TANNOY

## REVEAL/REVEAL ACTIVE

### 6.5" Two-Way Nearfield Studio Monitors

The Reveal combines a number of speaker cabinet innovations with a distinctive speaker enclosure. Ideal for multimedia, project studios, an editing desk, or a broadcast production room, the Reveal has an extremely detailed, dynamic sound with a wide, flat frequency response – all essential for monitoring with reliable accuracy. The 1" soft dome HF unit is seamlessly matched to a 6.5" long throw bass unit by the precision low-loss crossover network. The drive units are mounted on a massive 1.5" thick baffle, curved to minimize diffraction and creating the loudspeakers distinctive styling. Both drive units are magnetically shielded to allow the system to be used close to video monitors. Housed in an attractive red/gray finish, the Reveal's compact dimensions (13.75 x 8.75 x 10.75" HWD) and shielding make them ideal for studios where space is at a premium.

The same monitor as the plain Reveal, the Reveal Active adds two 50-watt amplifiers and fully optimized electronic crossover in exactly the same sized cabinet. By integrating power in the cabinet, the amps are ideally matched to the drivers and distortion is lower at the same volume level compared to passive speakers. Like the Reveal, the Reveal Active is compact (same dimensions) and shielded. However they are a different color (gray with an azure blue front) and slightly heavier (each speaker is 18.7 lbs. vs. each 15.4 lb. plain Reveal speaker).

	Reveal	Reveal Active
<b>Description</b>	Playback monitor; 6.5" LF; 1" softdome tweeter	Active nearfield monitor; 6.5" LF shielded; 1" softdome tweeter; 50w + 50w Active Crossover
<b>Frequency Response</b>	65Hz - 20kHz	62Hz - 20kHz
<b>Power Handling RMS/Program</b>	50w/100w	—
<b>Built-in Amp power RMS</b>	—	HF 50w + LF 50w
<b>Input Sensitivity</b>	—	0.775Vrms (0dBu)
<b>Sensitivity anechoic/half space</b>	87dB/90dB	—
<b>Impedance</b>	32kΩ balanced	6Ω
<b>Dispersion</b>	90°	90°
<b>Dimensions</b>	13.4 x 8.3 x 10.2"	13.4 x 8.3 x 10.2"
<b>Weight</b>	15.4 lbs.	18.7 lbs.



### PS110B

#### 10" Active Subwoofer

The PS110B delivers extended bass to small nearfield monitors and provides LF (low frequency) impact to create either subtle or exciting effects. Use with passive and active nearfield monitors such as the Reveal or System 600, where the high pass outputs from the sub allow greater performance from the monitors—great for studios where space is at a premium. In multi-channel environments, the PS110B is ideal for the LFE (low frequency effects) channel in surround sound environment. A single PS110B can be used in small to medium-sized rooms, while multiples can be used in larger environments.



### PS350B

#### 10" Active Subwoofer

Featuring Tannoy's unique "True Bass Management" the PS350B allows referencing of mixes in full-range stereo or 5.1 surround at the top of a foot switch. The unit offers balanced Left, Center, Right, and LFE (sub in) XLR inputs, with Left, Center and Right balanced XLR outputs. Controls include phase switching, master gain, bass boost, LFE all pass/LFE X-over low-pass, and variable crossover adjustment. With powerful and articulate low frequency performance, the PS350B is the perfect tool for today's modern format studio.



	PS110B	PS350B
<b>Description</b>	Active sub-bass system. 10" long excursion driver	
<b>Frequency Response</b>	31Hz - 150Hz	29Hz - 300Hz +/-3dB
<b>Built-in Amp power RMS</b>	110w	350w instantaneous
<b>Input Sensitivity</b>	Continuously variable	Continuously variable
<b>Input Impedance</b>	10Ω, 2 channel	10Ω, 2 channel
<b>Dispersion</b>	omni-directional	omni-directional
<b>Dimensions</b>	17.5 x 11.2 x 15.9"	20 x 18.06 x 20"
<b>Weight</b>	33 lbs.	51 lbs.

# TANNOY

## SYSTEM 1000/1200

### 10" and 12" Dual Concentric Mid-Field Monitors

Incorporating 10" and 12" Dual Concentric drivers in the same unique cabinet design as the System 600/800, the System 1000 and System 1200 are professional systems designed for a wide range of midfield monitoring applications from music/project studios to broadcast and multimedia. They are capable of high volume levels without compression and deliver excellent transient response. Their unique Dual Concentric design produces all the frequencies from a single point, mirroring the way sound is produced in real life. The accurate phase response achieved delivers realistic soundstage, along with a smooth and natural sound which is unfatiguing over long listening periods. The System 1000 can be used as a near or mid-field reference monitor, the System 2000 as a midfield or for main monitoring in smaller studios. Both are also available with shielding option.



STUDIO MONITORS

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### SYSTEM 15 DMT II/ 215 DMT II

#### 15" Dual Concentric Main Monitors

The System 15 DMT II is a main monitor system for recording and post-production studios where the requirement is for high performance, natural sound reproduction. With a single coherent wavefront thanks to the 15" Dual Concentric point source driver, sound presented to the engineers is remarkably distortion free. And with the enlarged monitoring position provided by this remarkable drivers wide dispersion, monitoring with the System 15 DMT II is particularly fatigue free.

The System 215 DMT is the ultimate realization of the Tannoy Dual Concentric principles in a studio monitor. The 15" Dual Concentric driver, with its wide dispersion characteristics, provides an enlarged 'sweet spot' monitoring position, while the complementary 15" bass driver reproduces the true impact of low frequencies. A superb, natural sounding monitoring system for those studios where only the best is good enough.

	System 1000	System 1200	System 15 DMT II	System 215 DMT II
<b>Description</b>	Midfield reference monitor. 10" Dual Concentric unit	Main reference monitor. 12" Dual Concentric unit	Midfield reference monitor. 15" Dual Concentric unit	Midfield reference monitor. 12" Dual Concentric unit, 380mm, 15" LF
<b>Frequency Response</b>	45Hz - 20kHz	40Hz - 20kHz	38Hz - 25kHz	35Hz - 25kHz
<b>Power Handling RMS/Program</b>	100w/200w	180w/350w	200w/400w	250w/500w
<b>Sensitivity anechoic/half space</b>	94dB/97dB	95dB/98dB	98dB/101dB	101dB/104dB
<b>Nominal Impedance</b>	8Ω	8Ω	8Ω	4/8Ω
<b>Dispersion</b>	90° conical	90° conical	90° conical	90° conical
<b>Dimensions</b>	13 x 21.3 x 11.7"	15.6 x 25.6 x 16.1"	33.1 x 21.7 x 17.3"	30.9 x 35.7 x 22.8"
<b>Weight</b>	36.4 lbs.	59.5 lbs.	99.2 lbs.	187 lbs.

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# TANNOY

## ST50/ST100

### SuperTweeters

Tannoy's SuperTweeters were designed to provide the extended high frequency response demanded by modern program material and sources such as SACD (Super Audio CD), DVD-Audio and DTS which have driven the requirement for loudspeakers with extended frequency bandwidth performance. By allowing the listener to experience a far wider range of bandwidth information of instruments than is currently possible with conventional loudspeakers, the ST50 and ST100 complete the musical picture. They not only have the ability to resolve fine detail of high frequency notes but also effectively enhance the listening experience even at lower frequencies.



### FEATURES

Music contains transient information and rich harmonics beyond the range of human hearing for pure tones. Even bass notes have leading edge transients reaching 30kHz with other instrumentation extending yet further.

Operating between the roll-off point of the high frequency unit of your existing loudspeakers and 54 kHz, the SuperTweeter will accurately reproduce the leading edge of individual notes allowing the listener to experience the entire bandwidth information of instruments.

Extending the frequency response by two octaves, corrects time and phase response within the bandwidth of normal human hearing. Taking these acoustical phase anomalies beyond the range of human hearing adds realism to the soundstage by improving imaging and placement of instruments. The SuperTweeter provides an increased immediacy, airiness and impact - making music sound more natural and true to life.

With the universal nature of the crossover design the SuperTweeter concept has been extended to match the majority of quality loudspeakers, whether they are from Tannoy or from other manufacturers. Adjustments are provided for crossover frequency and sensitivity level to allow system matching.

Discrete drivers, widely used in loudspeaker design will benefit greatly from the addition of a SuperTweeter. The spatial imaging and detail accuracy will be enhanced without the impression that another information source has been added—such is the integration of the SuperTweeter into the system.

The ST50 is constructed from solid aluminum die-castings coated with a soft feel, non-reflecting finish. Not only are they designed to visually blend in with all types of speakers, but they also provide an instant acoustic upgrade that is unavailable in any other way.

The ST100 comes in solid black ash and with a Performance Platform. Includes specific crossover and frequency control settings suited to all types of speakers, regardless of manufacturer. In addition the ST100 is optimized for use with older Tannoy Dual Concentric models, many going back over 40 years to the original 15" Monitor Red derivatives.

- ◆ High stiffness titanium dome minimizes effects of dome break-up and extends frequency response.
- ◆ Neodymium magnet system also extends frequency response by minimizing eddy current losses in voice coil.
- ◆ Copper clad aluminum voice coil on aluminum former for high power handling.
- ◆ Provision for driver magnet system earthing, to avoid interference and information masking caused by radio interference.
- ◆ Gold plated terminals for optimum signal transparency.
- ◆ Radio frequency quality inductors in crossover for good high frequency characteristics.
- ◆ Non-inductive resistors to avoid losses associated with normal wire wound types.
- ◆ High quality polypropylene film capacitors, selected for high frequency use.
- ◆ Unique Tannoy Performance Platform gives stable support and variable adjustment for the ideal listening position.

	ST-50	ST-100
<b>Recommended Amplifier Power</b>	Up to 200 Watts	Up to 250 Watts
<b>Power Rating to DIN IEC 268</b>	110 Watts RMS 450 Watts Peak	135 Watts RMS 550 Watts Peak
<b>Max. Sensitivity (2.83V @ 1m)</b>	93 dB	95 dB
<b>Nominal Impedance</b>	8 Ohms	8 Ohms
<b>Frequency Response (-6 dB)</b>	To 54 kHz, usable output (-18 dB) to 100 kHz	
<b>Driver Type</b>	25mm 25 micron titanium dome, 24-carat vapor deposited gold finish with neodymium magnet	
<b>Crossover Frequency</b>	14, 16 or 18 kHz adjustable	
<b>Level Adjustment</b>	85dB, 89dB, 93dB	87dB, 89dB, 91dB, 93dB, 95dB
<b>Finish</b>	Black with gold anodized Performance Platform	Black Ash



### Powered 8" Studio Monitors

From the classic NS1000 through the ever-popular NS10M series, thousands of pros worldwide have chosen Yamaha speaker systems for critical monitoring applications because of their exceptionally accurate, natural reproduction and reliability. With the MSP10 Studio, Yamaha takes monitor performance to new levels.

The monitor features an 8" long-throw woofer housed in a compact bass reflex design cabinet to provide deep and tight low end reproduction. The 1" pure titanium dome tweeter with wide dispersion waveguide horn provides a smooth, high frequency response well past 40kHz— perfect for 24-bit/96kHz masters and a well-articulated stereo image. Other features include trim switches for easy room matching, XLR inputs and magnetic shielding.

Designed for post-production, broadcast, professional recording and project studios, the MSP10 Studio has a 120-watt power amp for the low/mid driver and a 60-watt amp for the tweeter. It also adds a low-cut filter for optimum matching with high-performance subwoofers like the SW10.



- ◆ Custom-designed 8-inch woofer and 1-inch titanium-dome tweeter feature advanced magnetic structures that achieve exceptionally low distortion.
- ◆ Tweeter operates in conjunction with a waveguide horn that achieves broad, uniform high-frequency dispersion for optimum balance regardless of listening position. Advanced driver and enclosure design also ensures smooth, uniform dispersion across the system's full reproduction range.
- ◆ 120-watt power amplifier for the low/mid driver and a 60-watt power amplifier for the tweeter (total power of 180 watts).
- ◆ Building the amplifiers into the speaker cabinet allows for the best possible damping, for tight, controlled bass and fast transient response for accurate high frequency reproduction. The overall result is exceptionally smooth, natural response over the crossover range with an absolute minimum of distortion at all frequencies.
- ◆ 3-position LOW (0, -1.5, -3 dB at 50 Hz) and 3-position HIGH (+1.5, 0, -1.5dB at 10 kHz) frequency TRIM switches enable adjustment of the bass and treble, letting you optimize system response in a wide range of acoustic environments.
- ◆ Balanced XLR input for compatibility with professional equipment. Also allows the speakers to be placed at the end of long cable runs without being susceptible to hum and induced noise.
- ◆ Sensitivity control dial lets you adjust the volume according to the output sensitivity of the connected device.
- ◆ Magnetic shielding allows placement near all types of video and computer equipment
- ◆ High-pass filter cuts frequency ranges below 80 Hz for optimum matching with a high-performance subwoofer system.
- ◆ Clip indicator if the output level is too high
- ◆ Wall-mounted with optional wall brackets

### SW10 Powered Subwoofer



If you need the kind of bass response normally associated with a large speaker system, without giving up the compact convenience and positioning ease of the MSP10 Studio, simply add an SW10 Subwoofer for solid, accurate bass response down to well below the audible limit. The SW10 features a long-stroke 10" woofer which achieves exceptionally smooth, low-frequency reproduction, while a built-in amplifier delivers 180-watts of power. A variable low pass filter (40 to 120 Hz) makes it easy to achieve optimum crossover with just about any main speaker system, and a built-in phase switch allows instantaneous phase reversal without having to modify cables or connections. The SW10 features three balanced XLR-type inputs and outputs (the outputs feed the audio signal through to the main speakers) for direct connection to professional equipment. Finally, heavy wood construction ensures that the engineer hears the audio signal, not the cabinet.

## MSP3



### Powered Monitor Speakers

Engineered for today's multimedia environments, the compact, two-way powered MSP3 provides high quality, cost-effective monitoring for home studio, computer-based recording and educational applications as well as personal computers, gaming systems and music keyboards without integrated speakers.

Utilizing many of the same technologies found in the MSP5 and MSP10 Studio professional level monitors, the internally powered MSP3 provides 20W of output power to a 4" woofer that reproduces a surprisingly tight low end, and a 3/4" dome tweeter with a smooth, high frequency response to 22 kHz. For added flexibility, there are balanced XLR and 1/4" phone jacks and unbalanced RCA connectors on each speaker. In addition, each MSP3 has trim switches that allow both the low and high frequency response to be custom-tailored, allowing installation in a wide range of environments. Full magnetic shielding allows positioning near sensitive recording equipment and media.

- ◆ Designed for use in personal music production systems, a built-in 20-watt amplifier drives both the 4" cone and 3/4" tweeter
- ◆ Magnetic shielding and compact size allow placement near video monitors
- ◆ Balanced XLR, 1/4" and unbalanced RCA inputs for versatile connectivity
- ◆ Separate volume controls for Line 1 (RCA) and Line 2 (XLR/phone) inputs plus High and Low tone controls for sound tailoring
- ◆ Incorporates Yamaha's Waveguide Technology for uniform dispersion of the tweeter's high frequencies
- ◆ Mic stand mountable with optional BMS10A Microphone Stand Adapter



MSP5 Speakers shown with YST-SW305 Subwoofer

## MSP5

### Powered Monitor Speakers

High quality, powered monitors have traditionally demanded premium prices. The bi-amplified MSP5 monitor speakers deliver extraordinary sound quality, at an equally attractive price! The ideal choice for a wide range of professional recording and post production applications including 5.1 surround mixing. Ultra-compact enclosures allow easy placement. Small face print makes them very accurate for "point source" listening. Hookup is quick and easy with both XLR and 1/4" inputs. 67 combined watts of audio power in a monitor this size, let alone near this price, was previously unheard of -- until now. Titanium offers excellent response, separation and durability. The MSP5's dome tweeter, surrounded by a wave guide horn offers a broad coverage area of 120°. Upgrading to studio level monitoring has never been easier.

- ◆ With two separate amplifiers, incredibly lower distortion is realized. 67 watts (40 to the woofer and 27 to the tweeter) generates a much larger sound field than would normally be expected from a system of this size.
- ◆ Flat frequency response out to 40kHz makes the MSP5 great for mastering, where high sample and bit rates are the norm.
- ◆ XLR-balanced and 1/4" unbalanced inputs
- ◆ The smooth circular horn surrounding the tweeter delivers uniform dispersion without distortion or coloration.
- ◆ Complete magnetic shielding and compact size permits easy placement near all types of audio, video and computer equipment.
- ◆ 4-position low frequency (+1.5, 0, -1.5, -3 dB at 60 Hz) and 3-position high frequency (+1.5, 0, -1.5dB at 15 kHz) frequency TRIM switches enable adjustment of the bass and treble, letting you optimize system response in a wide range of acoustic environments.

### Advanced Active Servo Processing Subwoofer

A compact, high performer, this affordable subwoofer can be purchased separately or as part of a monitor system. The YST-SW005 features Advanced YST for dynamic bass response, 55W high power output, switchable high cut filter, auto standby with sensitivity selector and two input connections to deliver powerful, high quality bass with superb efficiency and convenient operation.

Available in a complete system, the MSP3 Speaker Bundle includes two MSP3 powered monitors and one YST-SW005 complete with cabling and instructions to make hook up fast and easy.



YST-SW005 Subwoofer shown with MSP3 Speakers—MSP3 Speaker Bundle

- ◆ Advanced Yamaha Active Servo Technology (Advanced YST) for powerful bass response
- ◆ 55W high output power
- ◆ 6-1/2" multi-range driver
- ◆ Magnetic shielding
- ◆ Switchable high-cut filter (high or low)
- ◆ Auto standby with sensitivity selector (high, low or off) and LED indicator
- ◆ Two input connections: Speaker Level or Line Level (pin jack)
- ◆ Low 0.8W standby power consumption for exclusive power transformer.

	MSP3	YST-SW005	MSP5	YST-SW305
<b>GENERAL</b>				
Type	Amplified, 2-way, bass-reflex powered speaker	Amplified, bass-reflex subwoofer system	Bi-amplified, 2-way, bass-reflex powered speaker	Amplified, bass-reflex subwoofer system
Crossover Frequency	4kHz	100Hz or 200Hz switchable LPF	2.5kHz	40Hz to 140Hz continuously variable LPF
Overall Frequency Response	65Hz-22kHz (-10dB)	30Hz-200Hz (-10dB)	50Hz-40kHz (-10dB)	20Hz-160Hz (-10dB)
Dimensions (W x H x D)	5 1/8 x 9 1/8 x 6 1/8"	7 x 14 1/2 x 14 1/2"	6 1/2 x 11 x 8 1/2"	9 1/8 x 14 1/2 x 12 1/8"
Weight	9.70 lbs.	18 lbs.	16.5 lbs.	44 lbs.
<b>SPEAKER SECTION</b>				
Components	LF: 4" cone; HF: 7/8" Dome	6.5" long throw woofer	LF: 4 1/2" cone; HF: 1" titanium dome	2x 8" long throw, high compliance
Enclosure	Bass reflex design; Magnetic shielding construction	Bass reflex design; Magnetic shielding construction	Bass reflex design; Magnetic shielding construction	Bass reflex design; Magnetic shielding construction
<b>AMPLIFIER SECTION</b>				
Output Power	20W at 1kHz, RL=4Ω	55W at 100Hz, RL+5Ω	Bi-amplified system LF: 40W at 400Hz, RL=4Ω HF: 27W at 10kHz, RL=6Ω	200W at 100Hz, RL+5Ω
Input Sensitivity	Line 1: -10dB Line 2: +4dBdB	30 mV	Line 1: -10dB Line 2: +4dBdB	30 mV
Input Impedance	Line 1 and Line 2: 10kΩ	12kΩ	Line 1 and Line 2: 10kΩ	12kΩ
Controls	Level: Line 1 & Line 2 Tone Control: Low & High	Level control, high cut filter (low or hi), Auto standby switch, Power ON/OFF	Level: Line 1 & Line 2 Tone Control: Low & High	Level control, high cut filter (continuously variable), Auto standby switch, Power ON/OFF
Power Indicator	Green LED: Power ON	Green LED: Power ON; Red LED: Power OFF	Green LED: Power ON	Green LED: Power ON; Red LED: Power OFF
Power Requirement	AC120V 60Hz	AC120V 60Hz	AC120V 60Hz	AC120V 60Hz
Power Consumption	30W	60W	60W	80W

# YAMAHA

## MS101II/MS202II

STUDIO MONITORS

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### 10- and 20-Watt Powered Speaker Systems

*Designed for home and portable recording, multimedia, MIDI studios and PA applications, the MS101II and MS202II pack lots of power and outstanding response in small packages. They feature 10 watts of power with a single 4" full-range driver (MS101II) or 20 watts of power with two 4" full-range drivers (MS202II) in a bass-reflex enclosure. Frequency response is 70Hz to 18 kHz. Each has multiple inputs, and offers comprehensive Low, High EQ and volume controls. Fully shielded, they can be used in close proximity to computer or video monitors without affecting the picture.*



- ◆ Independent Low and High EQ controls allows sound to be tailored to the listener's requirements and the acoustic environment. The low end is enhanced by an internal EQ circuit that boosts the bass without muddying the sound.
- ◆ Full magnetic shielding allows use in close proximity to video or computer monitors
- ◆ The MS101II has two line inputs (RCA in the rear, 1/4" mono phone jack in the front) as well as a 1/4" mono output in the rear
- ◆ The MS202II has a 1/4" mic input plus three line inputs (RCA in the rear, two 1/4" mono phone jacks in the front) as well as a 1/4" mono output in the rear

## MS60S

### 60w Powered Speaker System

*Designed for a wide range of applications, including small sound reinforcement, and on-stage or studio monitoring, the 60-watt MS60S is the ideal "small-venue" portable amplification system. Multiple input configuration and controls permit direct and trouble-free connection with any setup.*



- ◆ Completely portable, the MS60S has a built-in carrying handle and weighs only 22 lbs. It can also be placed horizontally or vertically.
- ◆ 60 watts of power with an 8" low-frequency driver and horn-type high frequency driver. A sturdy metal grille protects the drivers.
- ◆ The amplifier comes with Active Servo Technology for a truly BIG sound from a small box
- ◆ Three inputs (balanced XLR mic/line level, and two unbalanced 1/4" phone inputs) allow use with a mixer/line level source, guitar/bass/keyboard source, and Mic source... all at the same time
- ◆ Sound can be tailored using the two-band EQ circuit, giving you 5dB of cut/boost at the low end, and 8dB of cut/boost in the treble
- ◆ Volume levels can be adjusted for proper balance between all three sources using the Input 1, Input 2, and Master Volume Level controls

## MSR100

### 8" 100-watt Powered Speaker

*A mixer, power amplifier, and speaker system combined in a single, compact unit, the MSR100 is perfect for small events and club gigs. Compact in size but big in sound and versatile features, the MSR100 packs a powerful sonic punch — making it ideal as a personal stage monitor; a utility speaker for electronic drums, keyboards, guitars, and vocals; or a small-scale FOH PA system.*



- ◆ An 8" custom woofer handles the low end, while a 1" pure titanium diaphragm compression driver delivers the high frequencies. Horn provides a wide 90° x 40° sound dispersion for optimum coverage.
- ◆ Built-in mixer provides 3 inputs (balanced XLR mic/line level with a -50dB/+4dB pad switch, and two unbalanced 1/4" phone inputs)
- ◆ Each input has its own level control, with a Master Level control for overall output. Two-band EQ gives further control over the final sound. A CLIP indicator alerts you when the input signal is too high.
- ◆ Stand upright for conventional sound reinforcement, or lay it on its angled side for use as a floor monitor. A variety of mounting options let you place it on a pole, suspend it from the ceiling, attach it to a wall, or even safely stack multiple units on the floor.



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## SPEAKER ACCESSORIES

### BAS10 Free Angle Clamp

The BAS10 frees up desk or counter space by elevating the speakers up to 14" above the work surface. Its clamp allows horizontal mounting or it can be rotated 90° clamping to an upright on the desk or table. The ball and socket then positions the speaker at most any angle. The BAS10 Free angle clamps are sold as pairs, and include screws to attach them to Yamaha speaker systems.....**64.95**

### BMS10A Mic Stand Adaptor

The BMS10A adapter mounts speakers of up to 11 lbs to a microphone stand. It fits the 5/8"-27 thread standard and comes with a 3/8"-16 European thread adapter. The BMS10A comes with two 5mm screws to attach Yamaha speakers equipped for mounting and is sold as a single unit.....**26.95**

### BWS20 Series Wall/Ceiling Mounting Brackets

The BWS20 Series allow mounting of speakers weighing up to 15.4 lbs. Designed for use with the Yamaha MS10II, MS202II, MS20S, and MSP3, these brackets will also work with other speaker systems. Hardware is included.

Designed for maximum safety, all adjustment points are connected in a way that keeps them from coming apart, even if all the adjustment screws are missing! Screws to attach these brackets to the speaker are included. Additional hardware to attach these brackets to the wall or ceiling is required. Thick steel flanges on these brackets are both welded AND riveted to assure their strength.

**BWS20-120:** 4 3/8" .....**69.95**

**BWS20-190:** 7 1/6" .....**72.95**

### BWS50 Series Wall Mount Brackets

The BWS50 Series allow mounting of speakers up to 44 lbs. Designed for the Yamaha MS60 and NS10MC speakers, these mounting brackets can easily adapt to other speaker systems as well. Collars on both ends of the bracket allow 360° rotation. Additionally, the joint in the shaft of the bracket swivels over 200° (in 6-degree increments). Flexibility like this allows an endless possibility of mounting positions, in order to attain the desired coverage.

**BWS50-190:**  
Wall Mount Bracket for MS60S (pair) .....**124.95**

**BWS50-260:**  
Wall Mount Bracket for MS60S (pair) .....**139.95**



### SM SPKR BRKT Multi-Angle Mount

This bracket provides a low cost solution for mounting smaller (up to 15 lbs.) speaker systems. An ingenious radiused mounting plate allows up to a 140-degree range of rotation. The wall and speaker components separate for ease in mounting to their respective surfaces before being joined. Two 5mm screws attach to Yamaha speakers equipped for mounting are included. Other speakers can also be accommodated. Includes steel cables for extra safety.....**49.95**

### Varistand Height Adjustable Speaker Stands

The Varistand all steel design gives solid support for small monitor speaker systems. While designed to support the MSP5 monitors (with the AP5 adapter plate); the mounting platform of the Varistand accepts many different bolt patterns.

The base of the stand is hollow, allowing the addition of sand or lead ballast to increase stability. The ingenious T-shaped base has a very small footprint, allowing the user to place them into tight spots behind desk and consoles.

Stands are height adjustable with one knob, and extend from 27" to 42". Maximum recommended weight is 20 lbs. per stand .....**139.95**

### STS-10 Speaker Stand

Supports loudspeakers on any flat surface. Unique ball and socket design allows the speaker to be secured at any angle. Two 5mm screws are provided for attachment of the MS10II, MS202II, MS20S and MSP3 .....**Call**

**AP5 Steel Adapter Plate:** All-steel plate permanently mounts the MSP5s (pair) to SM SPKR BRKT or the VARISTAND.....**24.95**

**BFS60:** MS60S Foldback Adapter .....**35.95**

**BWS251-300:**  
Wall Mount Bracket for MSP10 (pair) .....**129.95**

**STS2:**  
Tilt Back Stand for MS10II and MS202II.....**24.95**

**RK60:** Rack Mounting Kit for MS60S.  
Permanently mount your MS60S in a standard 10" equipment rack. Constructed completely of heavy gauge steel, it is designed to attach easily to the MS60S with screws that are supplied with the speaker .....**49.95**