

# THE MONTANA SP II

## STEREOPHILE RECOMMENDED

The MONTANA SP is made of the best components available. The cabinet materials, the drivers, the cross-over components, the wiring and the dampening materials are selected for their sonic merits and their construction quality. We know that you will enjoy the MONTANA SP for a lifetime.

### THE CABINET:

A spectacular rigid design.

The very exclusive cabinet is designed with music and superior performance in mind.

First: The cabinet is made of the dense Medite MDF. This material is made from hardwood chips that have been compressed with nothing less than 80 lbs. per square inch. The Medite MDF has a high glue density to ensure that all surfaces of the hardwood chips are covered with glue to make them bond together as a uniform mass, with absolutely no voids within the board.

Second: As a strong measure of further eliminating unwanted vibrations, the Montana SP cabinet has been reinforced with nothing less than four internal peri-metrical braces. The ultra dense cabinet includes a 1 and 3/4 inch thick laminated front baffle which gives the SP its remarkable ability to control the energy transmitted from the drivers.

Third: To be doubly sure that no vibrations remain, the SP is elevated slightly above floor level on a slim base with four heavy duty adjustable spikes that transmit energy away from the cabinet. The Montana SP cabinet is the rock solid foundation, from which the SP will convey your music to you in the most natural, beautiful, emotionally moving way.

## THE DRIVERS:

Fast and flawless performance.

A special pair of 6 ½ inch mid-bass drivers have been selected for the SP - the Vifa M1 8W0 Montana - 08. The M18 features a long stroke, low reflection basket type. It is built with an ultra low distortion vented motor system that is perfectly matched to the 40mm voice coil, wound on a heat resistant Kapton former, driving the light (17.5 gr.) doped paper cone.

The M18-W0 is a variant of driver utilized as a mid-bass driver in the SP's larger sibling, the awesome Montana XP. However, in the SP, it is loaded with a bass reflex cabinet for a deep tight bass and excellent transient capabilities. In addition, the reflex port is rectangular in shape, this enables a perfect match of the square area of the port to the maximum linear excursion of the driver. The result is a clean mid-range, because the cone does not move out of its linear operating range.

Also, the internal volume of the cabinet has been divided into two sections by a special "low frequency transparent" foam pad. This special technique enables the SP to produce the very tight upper bass normally associated with a sealed enclosure combined with ultimate low-end extension of a ported enclosure.

Because of its tight cone and its very large magnet (25oz), the M18 delivers a superior mid-range clarity which gives the Montana SP an astonishing ability to present both ambience and depth in the sound stage.

## THE TWEETER:

The perfect mate for the M18.

The SP tweeter has a specially shaped 1 inch textile dome that is hand coated several times, on both sides which optimizes the linear frequency response and achieves a better degree of resolution. The SP tweeter is supplied with a vented pole piece/magnet structure and optimal dampened rear chamber which lowers the resonance frequency of the driver and eliminates compression distortion. The attention to engineering detail sets this tweeter as an example for others to follow.

Rigid construction materials are used throughout, maximizing mechanical strength and dampening. You will hear nothing but the most accurate, detailed, and musical highs from the SP because of this Unique combination of engineering, material selection and craftsmanship used when making this tweeter. The bottom line: Precision and accuracy are in the details!

## THE CROSS-OVER:

A magical difference.

Logical and momentous ideas have been utilized in the design and construction of the SP cross-over. Absolute top-notch quality components are used throughout.

The lowpass section of the cross-over is a 6dB/oct electrical filter. When combined with the "mechanical roll-off" the drivers have, gives a perfect transition to the high pass section of the cross-over. Special attention has been given to achieving the exact DC resistance in the inductor needed to adjust the mid-range level to the level of the bass. This enables the SP to convey music in a homogenous, natural and convincing way.

The high-pass section is made with top quality Kimber polypropylene capacitors, with a high voltage rating for an unequalled transparency, openness and air in the critical high frequency range.

The internal wire used in the SP is Monster M 1.2 for the woofers, resulting in a clean, deep and tight bass and midrange. To enable an airy and ultra transparent high-frequency range. The tweeter is wired with 14 gauge, tight wound, silver coated, OFC wire with a cold extruded Teflon jacket.

The combined result is: You will hear your music just as if the performers were right with you in your living room.

## BI - WIRING

Your connection to perfection

The Montana SP is supplied with two sets of gold plated terminals. With Bi-wiring, you must run two sets of high quality cables from your amplifier to the SP. We would like to stress that bi-wiring is a must if you really want top performance. Thus you will have less interference between the two sections of the cross-over.

## SPECIFICATIONS

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| Frequency Range: | 35-22,000 Hz +/- 3 dB                           |
| Impedance:       | Nominal 6 Ohms                                  |
| Sensitivity:     | 89 dB   |
| Power Handling:  | 160 Watt Continuous (400 Watt Peak)             |
| X-over points:   | 3100 Hz   |
| Finish:          | Custom, price may vary with finish desired      |
| Size (HxWxD):    | 45"x10"x14" (platform) 45"x9"x13" (cabinet)     |
| Weight:          | 93 lbs. each (ship. 220 lbs/pair)               |
| MSRP:            | \$3,495.00 (some exotic finishes may be higher) |