

THE MONTANA SPX

PERFECT TONALITY AND IN TOTAL CONTROL

Made in the USA the **Montana SPX** is built with the very best materials available. The cabinet materials, drivers, cross-over components, the wiring and the dampening materials are selected for their sonic merits and construction quality. A lifetime of musical enjoyment is possible with this hand-crafted limited edition, full range loudspeaker.



THE CABINET

A spectacular, no compromise shape.

Like all Montana Loudspeakers, the Montana SPX is constructed with the superior Medite MDF. This material is made from hardwood chips covered in glue and bonded using extremely high pressure. Medite MDF has a very high glue density to ensure full coverage of the chips and prevent internal voids, therefore making it a superior building material for Montana cabinets.

All cabinet walls are made from 1" MDF board compared to the standard 3/4" used by most other builders. In addition, to ensure that the SPX cabinet is in full control of the energy transmitted from the drivers, the front baffle is laminated with a 3/4" board resulting in a 1 3/4" thick baffle. A 1" thick spiked platform anchors SPX to the floor.



The cabinet is shaped like an asymmetrical hexagon. There are several advantages to this construction method: 1) no parallel surfaces within the cabinet which eliminates standing waves that would otherwise create distortion, and 2) no multiple board within the cabinet will have the same resonance frequency, effectively eliminating amplified resonance vibrations from the cabinet. To even further eliminate unwanted distorting vibrations, it has been reinforced with nothing less than four internal peri-metrical braces. This produces a clean more detailed sound free from the cabinet colorations that plague lesser designs.

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THE DRIVERS

Perfect tonality and in total control.

A special 7" mid-bass driver has been created for the SPX - the Vifa M18WH-Montana-08. The M18 features a long stroke ultra low reflection magnesium basket, with six carrying arms. It is built with an ultra low distortion vented motor system that is perfectly matched to the 1 inch voice coil driving the light, doped paper cone.

The M18 has a concave dust cap that eliminates any unwanted low-midrange glare and a linear/low loss suspension for dynamics and speed. Because of an extremely light cone and a powerful motor structure, the SPX is capable of astonishing midrange clarity. This speaker is also surprising in the bass octaves as well. The internal cabinet volume has been divided into two sections by a special "low frequency transparent" foam pad. This special technique enables the SPX to produce the tight upper bass normally associated with a sealed enclosure combined with the solid deep bass of a vented enclosure. You will actually hear the skin of the kick drum not just a heavy thud. With the SPX every note of a well recorded string bass comes to life. You will find great pleasure exploring your music collection, as if hearing your favorite recordings for the first time.

THE TWEETER

High efficiency and outstanding transient capabilities.

The SPX tweeter is the same custom made Scanspeak/Montana Revelator used in our flagship loudspeaker the Montana XPS. The specially hand made 1 inch dome features a newly developed magnet system with SD copper caps and rings that eliminates electrical phase shift. Specially designed chambers minimize the air noise and compression allowing for a faster more detailed sound.

You will hear nothing but the most accurate, detailed musical highs from the SPX due to the unique combination of engineering, material selection and care used when making this driver.

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THE CROSS-OVER

Outstanding quality and design.

The absolute optimizing of the cabinet, baffle and volume relations along with accurate driver placement ensure that very simple cross-over circuits can be utilized in the SPX cross-over. Very few components are placed within the signal path, enabling a cleaner more pure sound from the drivers. Our standard low pass 6dB/Oct electrical filter combined with the drivers natural roll-off, gives a perfectly smooth transition to the 24dB/Oct high-pass section. This results in three drivers operating as one, with a smooth overlap in the cross-over region.

Once you hear the SPX, you will understand the importance we place on quality. Custom Montana film and foil capacitors, Solen inductors and Monster M1.2 internal wiring are used throughout. We have done everything possible to build a speaker that recreates music in an untouched way.

BI-WIRING

Your connection to perfection.

To get the most out of this excellent speaker, we have provided two sets of gold terminals. You must run two sets of high quality cables from your amplifier to the SPX, resulting in less interference between the two sections of the crossover.

SPECIFICATIONS

Frequency Range:	30 - 22000 Hz +/- 3dB
Impedance:	Nominal 6 Ohms
Sensitivity:	89.5 dB
Power Handling:	200 Watt Continuous (500 Watt Peak)
X-over points:	3100 Hz
Finish:	Custom
Size (HxWxD):	45" x 12" x 14"
Weight:	103 lbs. each (ship. 266 lbs./pair)
MSRP:	\$5,495.00 (some exotic finishes may be slightly higher)