

## THE MONTANA XP

### THE LIGHT HEAVYWEIGHT CHAMPION

Known as the "light heavyweight champ" The **Montana XP** is made of the very best materials available. The cabinet materials, the drivers, the cross-over components, the wiring and the dampening materials are selected for their sonic merits and construction quality. Nothing but the best could be tolerated for this limited edition, unique loudspeaker.



### THE CABINET

**Elegant, slim, solid as a rock.**

The cabinet is shaped like an asymmetrical hexagon, and the internal mid-range and mid-bass cabinets are triangular in shape. 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 from the cabinet, it has been reinforced with nothing less than seven internal peri-metrical braces. This produces a clean more detailed sound.

### THE WOOFERS

**Well-defined and fast.**

The XP utilizes two custom made 10" Vifa M26-WR-Montana-08 woofers per cabinet. This driver is made with a new long stroke, ultra low reflection magnesium basket, with six carrying arms. It has an extremely stiff conical paper cone attached to the basket with a very low damping, specially formulated, rubber surround. All of the above guarantees that you will enjoy a deep, well defined, fast and vigorous bass from the XP.

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### THE MID-BASS DRIVERS

**Perfect tonality and in total control.**

A special 7" mid-bass driver has been created for the XP - the Vifa M18WH-Montana-08. The M18 features the same long stroke, low reflection basket type as the woofers. 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. These drivers are responsible for the very tight punch in electrical music as well as the perfect wooden over-tones recreated when enjoying acoustical music from the XP.

### THE MID-RANGE DRIVERS:

**Clear as crystal, strong as steel.**

The 4" ScanSpeak 13M8-Montana mid-range drivers have remarkably low distortion figure and transient capability from using Kevlar cones. This driver has a newly developed magnet motor system with extreme magnetic flux in the air gap. It utilizes ScanSpeak's patented symmetrical drive, along with a symmetrical lathed, vented pole piece, mounted to an unusually heavy die cast magnesium basket. On top of the extremely light aluminum voice coil former and wire, we had ScanSpeak mount their 38mm fabric dome to ensure the most logical transformation of the movements from the voice coil to the dome and cone. The 13M has a long-throw excursion capability that will ensure clarity, balance and detail of outstanding qualities.

### THE TWEETER

**High efficiency and outstanding transient capabilities.**

The XP tweeter is the same custom made Scanspeak/Montata Revelator used in our flagship loudspeaker the Montata WAS. 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 XP because of this unique combination of engineering, material selection and care used when making this tweeter.

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### DIFFRACTION DAMPENING

**Better sound stage with reduced diffraction.**

The tweeter/mid-range array has been set on the triple layered face plate in a 5mm thick felt mat. As a strong measure of early diffraction elimination, the tweeter has been mounted behind the sunk-in felt mat, with only a 2 inch hole cut to expose the dome. This, along with a foam lining of the inner sides of the grille frame, effectively eliminates any diffraction from the front baffle that would otherwise distort the sound.

### THE CROSS-OVER

**Perfect Transitions.**

The absolute optimizing of the cabinet, baffle and volume relations along with accurate driver placement, both vertical and horizontal (mounting depth), ensure that very simple cross-over circuits can be utilized in the XP cross-over. Thus, the advantage is very few components are placed within the signal path, enabling a cleaner more pure sound from the drivers. The combined filter/driver circuit provides a relatively easy load for you amplifier. The nominal impedance of the XP is 4.0 Ohms with a minimum of 3.0 Ohms and a maximum of 8.8 Ohms.

### 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 DPS, resulting in less interference between the two sections of the crossover.

### SPECIFICATIONS

Frequency Range:	20 - 22000 Hz +/- 3dB
Impedance:	Nominal 4 Ohms (3 Ohms - 9 Ohms)
Sensitivity:	93.5 dB
Power Handling:	300 Watt Continuous (1000 Watt Peak)
X-over points:	63 Hz - 504 Hz - 4032 Hz
Finish:	Custom
Size (HxWxD):	62" x 16" x 17"
Weight:	254 lbs each (ship. 588 lbs/pair)
MSRP:	\$14,995 (some exotic finishes may be slightly higher)