

THE MONTANA DP
FOR SMALLER LISTENING ROOMS

The **Montana DP** 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 DP for a lifetime.



THE CABINET

Built with superior performance in mind.

Like all Montana Loudspeakers, the Montana DP cabinet is constructed with the superior Medite MDF. This material is made from hardwood chips and it has a high glue density to ensure full coverage of these chips before compression. This technique ensures an MDF board with absolutely no voids within, therefore making it a superior building material for the exclusive Montana DP cabinet.

Our cabinet standard prescribes heavy peri-metrical bracing so the DP cabinet has been reinforced with nothing less than three internal braces. Also the bottom third of the cabinet has been sealed off and filled with sand to ensure the slim elegant cabinet couples to the floor via the spiked 1" platform. The cabinet sides are made with 1" thick material compared to the 3/4" used by most others. In addition, to ensure that the DP cabinet is in full control of the energy transmitted from the drivers the front baffle is laminated with a 3/4" inch board resulting in a 1 3/4" thick baffle.

This very conservative cabinet construction method guarantees an extremely rigid and dense cabinet from which the Montana DP will convey your music to you in the most natural, beautiful and moving way possible from a loudspeaker this size.

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THE DRIVERS

Quick and in control.

The two 5 1/4" mid-woofers utilized in the DP feature a large magnet for high efficiency and excellent transient capability. They have a 25mm voice coil perfectly matched to the very light (5 gr.) treated paper cone. The cone is coupled to the resonance free magnesium basket with a high damping rubber surround resulting in an extremely smooth frequency response to over 5 khz.

The woofers are loaded with a reflex cabinet to ensure a deep, tight and quick bass. In addition we have matched the rectangular port area perfectly to the maximum linear excursion of the cones. This results in an extremely clean midrange allowing all the information in your music to be conveyed to you.

The internal cabinet volume has been divided by a special "low frequency transparent" foam pad. This special technique enables the DP to produce the tight upper bass normally associated with a sealed enclosure, combined with the solid deep bass of a vented enclosure.

THE TWEETER

A proven winner.

We have chosen a 3/4" dome from the Scan-Speak catalogue for the DP. The D2008 has gained a remarkably fine reputation from top loudspeaker designers all over the world. This is because the D2008 has an extremely linear response, low distortion and wide dispersion combined with high power handling.

The tweeter features a special high flux magnet combined with a high precision galvanized, vented pole piece. The D2008 also utilizes a hand coated textile diaphragm attached to a precision aluminum wire voice coil with a 27 strand tinsel wire, making a very low resonant frequency possible. The end result of all this top notch engineering is a clean and detailed high frequency reproduction with very good dynamics. The kind of stuff that makes you believe you are right there in the concert hall when you play your music.

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THE CROSS-OVER

High quality components.

The crossover in the DP utilizes the same technique as in all it's larger siblings. A low pass 6dB/Oct electrical filter that combined with the drivers natural roll-off gives a perfectly smooth transition to the 18dB/Oct high-pass section of the filter. This enables extremely good driver behavior in the area where they overlap (the cross-over point) resulting in all three drivers operating as one. That is the reason the DP sounds so musical and convincing. To make absolutely sure all information is transferred to the drivers the internal wiring is Monster M1.2 through out.

BI-WIRING

Your connection to perfection.

The Montana DP 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 DP. 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

Frequency Range:	45-20,000 Hz +/- 3dB
Impedance:	Nominal 6 Ohms
Sensitivity:	87 dB
Power Handling:	120 Watt Continuous (220 Watt Peak)
X-over points:	4100 Hz
Finish:	Custom
Size (HxWxD):	41" x 8" x 9" (platform), 40" x 7" x 8" (cabinet)
Weight:	55 lbs. each (ship. 130 lbs./pair)
MSRP:	\$1,995.00 (some exotic finishes may be slightly higher)