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HIGH-END AUDIO AND HOME CINEMA SYSTEMS



MARTIN LOGAN

PRESS RELEASE

BRILLIANT BASS UNDER £500!

*Compact, versatile and affordable: MartinLogan's
Dynamo active subwoofer sets new standards for
bass extension, power and detail at the price*



MartinLogan Dynamo active subwoofer

The Dynamo subwoofer from US speaker specialist MartinLogan delivers brilliant bass at a distinctly affordable price. This fully active sub sports an onboard 200-watt amp and 10-inch (25.4cm) aluminium-coned driver, delivering bass of genuine depth, pace and

authority. Its compact, cube-like form ensures it is a discreet and practical addition to any environment, yet the quality of its bass belies its diminutive dimensions. But while the bass is deep, your pockets needn't be – priced at just £499, it's a truly exceptional performer.

Those familiar with the MartinLogan brand may find this affordable little subwoofer somewhat surprising. The company is famed among audiophiles across the globe for its hi-tech take on electrostatic loudspeaker technology (skip down to 'More about MartinLogan' for further details), yet the company's research in this area has also led to the development of exceptional subwoofers. Electrostatic panels can deliver astonishing qualities higher up the frequency range, but at sensible sizes they can't generate much bass depth. MartinLogan has perfected the art of full-range hybrid speakers that combine electrostatic panels for middle and high frequencies with coned bass drivers for the low stuff, thereby delivering the best of both worlds.

Many years of painstaking research has resulted in increasingly refined bass generators, which in turn has led to some of the best standalone subwoofers available in recent years. In the UK, MartinLogan isn't often thought of as a subwoofer brand, but its high-end Descent sub is considered by many commentators around the world to be among the very best available – at any price.

The bass produced by MartinLogan subwoofers is deep yet agile, without the bombast and overhang that plagues less technologically refined bass systems. It's the kind of bass that delivers terrific impact and tension in action-packed movie scenes, yet has sufficient subtlety and control to blend seamlessly with music. Now, Dynamo brings this bass quality to a new, eminently affordable price point – a compact subwoofer that works brilliantly across a wide range of music and movie material, and melds perfectly with all manner of systems and speakers, from MartinLogan and elsewhere.

No other subwoofer in its class offers Dynamo's combination of bass extension, power and detail.

The Technology

Dynamo eschews unnecessary gizmos and flashy-looking displays in favour of sensible controls and maximum bass performance for the money. These are the key elements of its design:

Innovative Front-Firing or Down-Firing Option

To maximize performance when installed inside a cabinet or other custom installations, Dynamo's standard down-firing configuration is easily converted by the user into a front-firing configuration. A grill cover and 90° RCA adaptors are supplied with the subwoofer for use in front-firing applications.

Inverse Mathematical Equalization

An IME (inverse mathematical equalization) filter is derived from the inverse of the unfiltered driver response. Precision IME filtering yields extremely accurate low-frequency response – far superior to that provided by the simple second-order, high-Q filters typical of competitively priced subwoofers.

Advanced Switching Amplifier

Dynamo's onboard amplifier belongs to the recently developed class of switch-mode designs that incorporate a variety of innovative techniques to reduce noise, distortion and heat to the lowest possible levels. In particular, the switching frequency is much higher than in typical subwoofer amplifiers of this type. It can produce a true 200 watts of continuous power.

Simultaneous Connection for Two-Channel Stereo and Multichannel Home Cinema

Dynamo provides a direct, unfiltered LFE input for connection to surround processors, amplifiers and receivers with built-in subwoofer crossovers, as well as line- and speaker-level stereo inputs that connect to its internal crossover. The LFE and stereo inputs can be connected simultaneously, with separate level and crossover settings for each, enabling precise optimisation for home cinema and stereo music playback in the same system.

Energy Transfer Coupler Spikes

The Dynamo is supplied with sturdy, 1/4–20 MiniETC spikes, which can be used in place of the standard feet to enhance stability on thick carpets or to create tighter coupling between speaker and floor.

Portless Enclosure

Although ports are a convenient and cost-effective way of increasing low-frequency output, they rely on resonant energy in a way that impairs bass quality. A good sealed system will exhibit less transient-blurring group delay while maintaining a smooth and consistent response, regardless of output level or voice-coil temperature. Listen carefully to the sound of a bass drum and you'll hear the difference.

A Quote from MartinLogan

Devin Zell, Assistant Marketing Manager of MartinLogan, commented: “Drawing on seven years of dedicated research into driver, amplifier, cabinet, control and systems technologies, Dynamo establishes new benchmarks for performance and versatility in a subwoofer of such compact dimensions and moderate price. It is user-configurable for either front- or down-firing operation and that capability, together with flexible crossover controls, ensures that Dynamo can deliver excellent bass from any location in your room. No other subwoofer in its class offers Dynamo's combination of extension, power and detail.”

Key Features – MartinLogan Dynamo

- Compact dimensions: 35.3x29.7x32.8cm (HxWxD)
- 10-inch (25.4cm) high-excursion, aluminium-coned woofer with extended-throw drive assembly
- Integral 200W amplifier
- Portless enclosure and superb build quality (weight: 12.9kg)
- User-adjustable down-firing or front-firing configuration
- Separate inputs allow settings to be optimised for both stereo music and multichannel home cinema playback in the same system
- Inputs: RCA line level; RCA LFE; speaker level
- Outputs: RCA line level; RCA for multiple subwoofer connection
- Frequency response: 25–120Hz \pm 3dB; anechoic through LFE effects input
- Input impedance: RCA line level – 20,000 ohms; RCA LFE – 34,000 ohms
- Low pass filter frequencies: 30–80Hz
- High pass filter frequency: 70Hz

Price and Availability

£499.00

The MartinLogan Dynamo active subwoofer is available now.

More about MartinLogan

Kansas-based company MartinLogan makes loudspeakers with a difference: while the vast majority of speaker designs use cones and domes that are pushed and pulled by an electromagnet to produce sound, most ML models incorporate an extremely thin, curvilinear electrostatic panel that is charged with electrical current to vibrate the air. These panels are combined with bass cones to deliver very low frequencies, creating a hybrid design that is the most advanced of its kind. The result? Engaging speed, crystalline clarity, gorgeous stereo imaging and fabulous transparency – if you've yet to hear what electrostatics can do, you simply have to experience a MartinLogan.

More about Absolute Sounds – the UK distributor for MartinLogan products

Absolute Sounds is the UK's premier importer of high-quality hi-fi and home cinema equipment. The company was formed in 1979 by Ricardo Franssovici, who left a successful career in the music industry to become one of the world's leading hi-fi entrepreneurs. Ricardo's burning desire has always been to give UK-based music fans the opportunity to experience audio at the highest level, cherry-picking the very best components from around the globe to deliver a 'hi-fi boutique' overflowing with highly covetable, high-performance products. Like the finest watches and most prestigious motorcars, these brands deliver finely tuned, supremely engineered products that simply ooze desirability. Quite simply, if you are seeking the world's best hi-fi and home cinema equipment, Absolute Sounds is your first port of call.

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