

# DYNAMO™

High-Resolution Subwoofer System

**DYNAMO**

Impeccable  
precision.  
Indisputable  
quality.



**Dynamo Series subwoofers carry forward the namesake of one of MartinLogan's most popular products of all time, the original Dynamo subwoofer, known for its impeccable precision, compact size, and indisputable quality. The Dynamo Series subwoofers continue that legacy while incorporating modern technologies and innovations, creating a completely new take on this classic recipe.**



Our next-generation Dynamo subwoofers pack an incredible feature list and impressive power into a stylish, compact, room-friendly package. With extensive technology, including built-in wireless signal connection, anti-vibration feet, and easy-to-use app control, Dynamo series subwoofers not only look and sound incredible but are also extremely user-friendly.

Getting the best sound from your subwoofer means placing it just right, but running cables can be a challenge. Our Dynamo subwoofers come with a built-in Wireless Receiver and Wireless Transmitter, making setup easy and clutter-free. Enjoy top-notch sound with lossless transmission and low latency.

Dynamo's anti-vibration feet improve bass by reducing floor and wall vibrations, eliminating rattles, and boosting clarity. They also reduce noise transfer to other rooms, perfect for any flooring with both hard surface and carpet options included.

Control your subwoofer effortlessly with our app for iOS and Android. Adjust settings in real time and choose from 3 modes—Movie, Music, or Night—all from the comfort of your seat.



Dynamo™ 12



Dynamo™ 10

Backing up all the technology and features is the heart of the subwoofer, the Vojtko DSP engine. Featuring a 500MHz DSP with 64bit processing, the Vojtko DSP engine commands all aspects of subwoofer performance in real time. Best-in-class computing power controls the advanced technology onboard, as well as the powerful Magnitude® amplification, providing both high tech functionality and audibly transparent processing for incredible, distortion free impact and musicality.



High-Resolution Subwoofer System

## DYNAMO 10

### Application

Subwoofer

### Frequency Response

23–120 Hz  $\pm 3$  dB (Anechoic via LFE input)

### Low Frequency Transducer

10" (25.4cm) high-exursion, anodized-aluminum cone in a stamped steel basket

### Amplifier

Magnitude® MT-1kW Amplifier with 1,000W peak (500W continuous)

### Digital Signal Processing

Ultra High-Resolution 500MHz Vojtko DSP Engine with 64bit processing

### Cabinet

Precision-crafted, sealed MDF enclosure featuring a robust 1-inch thick MDF woofer baffle

### Controls (on backplate)

Level: Interactive LED Backlit Knob

Tone Sweep: Sweep Start and Pause (with status light)

Power Mode: On, 12v Trigger, Auto

Wireless Audio Pairing Button (for included MartinLogan wireless transmitter)

### Controls (via Bluetooth)

Level: -40 to 12dB (Min-Max)

Low-Pass Filter (Frequency): 35–120Hz (1° Increments)

Low-Pass Filter (Order): Bypass, Third, Fourth

Phase: 0–180° (1° Increments)

Phase (Polarity): Normal, Inverted

Preset Listening Modes: Movie, Music, Night

20–30Hz Level:  $\pm 10$ dB

Anthem Room Correction (ARC Genesis): On, Off

Tone Sweep (120–20Hz): On, Off, Pause (Frequency)

### Inputs

Line Level: Left, Right, and LFE

XLR: LFE

Speaker Level: Left and Right (requires banana plugs)

### Wireless Input

Integrated Wireless Receiver, Wireless Transmitter Included

### Power Draw

Max: 500W

Standby (Wireless Disabled): 0.5W

Standby (Wireless Enabled): <2W

\*Transmitter and Subwoofer combined

### Feet

Integrated Anti-Vibration Feet (carpet spikes included)

### Weight

42.8 lbs (19.4 kg)

### Dimensions (HxWxD)\*

14-3/4" x 13-3/4" x 13-3/4" (37.3cm x 34.8cm x 34.8cm)

### Finish

Gloss Black or Satin White

\*Product dimensions include feet, binding posts, and grilles. Specifications are subject to change without notice.

## DYNAMO 12

### Application

Subwoofer

### Frequency Response

22–120 Hz  $\pm 3$  dB (Anechoic via LFE input)

### Low Frequency Transducer

12" (25.4cm) high-exursion, anodized-aluminum cone in a stamped steel basket

### Amplifier

Magnitude® MT-1.6kW Amplifier with 1,600W peak (800W continuous)

### Digital Signal Processing

Ultra High-Resolution 500MHz Vojtko DSP Engine with 64bit processing

### Cabinet

Precision-crafted, sealed MDF enclosure featuring a robust 1-inch thick MDF woofer baffle

### Controls (on backplate)

Level: Interactive LED Backlit Knob

Tone Sweep: Sweep Start and Pause (with status light)

Power Mode: On, 12v Trigger, Auto

Wireless Audio Pairing Button (for included MartinLogan wireless transmitter)

### Controls (via Bluetooth)

Level: -40 to 12dB (Min-Max)

Low-Pass Filter (Frequency): 35–120Hz (1° Increments)

Low-Pass Filter (Order): Bypass, Third, Fourth

Phase: 0–180° (1° Increments)

Phase (Polarity): Normal, Inverted

Preset Listening Modes: Movie, Music, Night

20–30Hz Level:  $\pm 10$ dB

Anthem Room Correction (ARC Genesis): On, Off

Tone Sweep (120–20Hz): On, Off, Pause (Frequency)

### Inputs

Line Level: Left, Right, and LFE

XLR: LFE

Speaker Level: Left and Right (requires banana plugs)

### Wireless Input

Integrated Wireless Receiver, Wireless Transmitter Included

### Power Draw

Max: 800W

Standby (Wireless Disabled): 0.5W

Standby (Wireless Enabled): <2W

\*Transmitter and Subwoofer combined

### Feet

Integrated Anti-Vibration Feet (carpet spikes included)

### Weight

61.5 lbs (27.9 kg)

### Dimensions (HxWxD)\*

16-3/4" x 15-3/4" x 15-3/4" (42.4cm x 39.9cm x 39.9cm)

### Finish

Gloss Black or Satin White

## Seamlessly Integrating High-Performance Audio with Elegant Design

Emphasizing high performance and decor-friendly aesthetics, MartinLogan subwoofers expertly blend audiophile musicality and theatricality with dynamic output and accuracy in a compact design. As with all MartinLogan subwoofers, the Dynamo Series is designed to work with any speaker system while being uniquely engineered to keep pace with the exotic thin-film technologies utilized in MartinLogan loudspeakers.

## Advanced Aluminum Woofers for Powerful, Distortion-Free Bass

Dynamo Subwoofers feature custom-designed aluminum woofers tuned using state-of-the-art Klippel analysis for high output and low distortion. Aluminum's light weight, high strength, and excellent heat dissipation make it ideal for delivering clean, powerful bass in a compact design. Meticulously engineered for reliability, Dynamo subwoofers offer versatile performance to meet your musical and powerful bass needs.

## Magnitude® MT-1kW and MT-1.6kW Amplifiers Redefine Dynamo Performance

MartinLogan's proprietary Magnitude® Amplifiers unlock the full potential of custom-engineered Dynamo woofers. Featuring two carefully crafted architectures, the advanced MT-1kW in the Dynamo 10 delivers up to 1000W Peak (500W RMS) of clean power, ensuring remarkable impact and seamless musicality. Meanwhile, the MT-1.6kW in the Dynamo 12 offers an impressive 1600W Peak (800W RMS), delivering powerful, deep bass with unparalleled clarity, precision and visceral impact. These ultra-efficient Class-D architectures guarantee exceptional control, providing an immersive audio experience that enhances all your favorite content.

## Advanced Vojtko DSP Engine: Elevating Subwoofer Performance

Dynamo subwoofers utilize the cutting-edge, ultra-high-resolution Vojtko DSP engine, named after MartinLogan's Chief Audio Technologist. Featuring a best-in-class 500MHz DSP with 64-bit processing, the Vojtko DSP engine controls all aspects of subwoofer performance in real-time. This level of computing power enables advanced features like wireless app control, integrated wireless signal connection, and other advanced DSP functions with complete audible transparency, allowing MartinLogan engineers to fine-tune performance for maximum output and fidelity. Thanks to the computational power of this sophisticated DSP engine, Dynamo subwoofers are also compatible with the award-winning Anthem Room Correction system.

## Reduced Vibration, Enhanced Bass

Solid bass performance is a critical component of any audio system and contributes to the visceral impact of your entertainment. Dynamo's integrated anti-vibration feet improve bass performance while reducing floor and wall vibrations. By dramatically reducing energy transfer between the subwoofer and the floor, unwanted room rattle and buzzes are eliminated, resulting in tighter, cleaner bass and improved system clarity and dynamics. As a less intrusive alternative to acoustic room treatments, Dynamo's integrated anti-vibration feet can also help minimize noise complaints by reducing vibration transfer into adjoining rooms. Suitable for all types of flooring, options include hard surface and carpet spikes.

## Fine-Tune Your Subwoofer Settings with MartinLogan's Intuitive App

By far the most convenient way to adjust a subwoofer, MartinLogan's Subwoofer Control app for iOS and Android devices allows you to easily adjust settings such as Volume, DSP Mode, Phase, and many others right from the comfort of your seat for ultimate control and ease of tuning.

## Optimize Bass Performance with Award-Winning Anthem Room Correction

Dynamo subwoofers are compatible with the award-winning Anthem Room Correction system. This highly advanced software measures subwoofer performance in your room and then performs custom equalization, tuning, and calibration to achieve the highest levels of bass impact and accuracy possible for your specific installation. Requires an ARC Calibration Microphone and a PC or Mac computer (sold separately).