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THE NEXT GENERATION OF **DYNAMO™** SUBWOOFER SYSTEMS

MARTINLOGAN'S NEW LINE OF GROUND-BREAKING SUBWOOFERS.

Featuring powerful amplifiers and audiophile grade woofers, extensive input options, wireless connectivity, control via a Bluetooth app, Anthem Room Correction (ARC™), and user-configurable front- or down-firing designs, these Dynamo subwoofers represents the most advanced, high-performance, affordable subwoofer systems ever brought to market. Dramatic bass detail and attack, superb extension, and room-shaking output ensure a compelling music and home theater experience.

Advanced-technology inverted surround woofers pair a powerful magnet structure with a rigid, lightweight diaphragm, and powerful amplifiers to deliver huge excursion and sound output while perfectly preserving the most subtle bass details. RCA, XLR, speaker level, and wireless signal connectivity offer the most flexible array of input options available today. Putting control in the listener's hands, iOS and Android subwoofer control apps allow precise configuration of subwoofer settings while industry leading Anthem Room Correction (ARC) guarantees an accurate bass performance custom tailored to each unique listening room.

QUICK FEATURES

- 8, 10, 12, and 15-inch poly cones
- Low-turbulence, inverted surround woofers
- 150, 240, 600, 1,000, and 1,300 Watts (peak)
- Inverse Mathematical Equalization (IME) filter
- Satin Black finish
- RCA, XLR, and speaker level inputs*
- SWTX wireless input (sold separately)*
- Digital control system via smartphone app*
- Anthem Room Correction (ARC™)*
- Configurable front- or down-firing design*
- Built-in Energy Transfer Coupler (ETC™) spikes*

*Feature varies by model. See specifications.



UNPRECEDENTED CONNECTIVITY

Designed for exceptional performance in music and home theater applications, MartinLogan's new Dynamo subwoofer systems offer an extremely comprehensive array of connections.

LEFT AND RIGHT 2-CHANNEL INPUTS

All five new Dynamo subwoofers feature left and right input via RCA line level and speaker level connections.

LFE HOME THEATER INPUT

Dynamo 400's right input doubles as an LFE input for home theater applications. *Dynamo 600X* and *800X* up the ante by adding a discrete LFE RCA line level input. *Dynamo 1100X* and *1600X* go one step further by adding both XLR and RCA inputs for LFE connection.

12V TRIGGER INPUT

Dynamo 800X, *1100X*, and *1600X* feature 12V Trigger Inputs, allowing an external device to turn the subwoofer on and off.

SIMULTANEOUS LFE AND 2-CHANNEL CONNECTIONS

Robust connection and control systems found in the *Dynamo 800X*, *1100X*, and *1600X* allow simultaneous connection of both 2-channel stereo music and multi-channel home theater and allows each source to have individual crossover and level settings, giving listeners a perfect performance in every application. LFE inputs use no low-pass filter, leaving crossover control to the processor. Left and right inputs integrate discrete user-adjustable low-pass filters allowing different level and crossover points when playing back two channel music.

OPTIONAL SWT-X WIRELESS INPUT

Although correct placement plays a key role in optimizing subwoofer performance, sometimes it imposes the inconvenience of running long lengths of cable through walls, along baseboards or under floors and carpets. To solve the problem, *Dynamo 600X*, *800X*, *1100X*, and *1600X* include a connection port for an optional wireless system. MartinLogan's new SWT-X Wireless Subwoofer System (sold separately) incorporates the latest in wireless audio transmission technology, including 2.4GHz dynamic frequency selection, forward error correction, and a range up to 50 feet. Easy to install in the subwoofer, the SWT-X receiver requires no external power source or audio connections.



Dynamo 1100X and 1600X controls and connections



SWT-X Wireless Subwoofer Receiver (sold separately)

UNPARALLELED ACCURATE AND CONVENIENT SETUP



ANTHEM ROOM CORRECTION (ARC™)

Available for PC, iOS, and Android

In the lab, MartinLogan engineers strive for transparency. Outside the lab, there's one wildcard our engineers can never account for—the listening room. The unique size and shape of a listening space (and its contents) can make bass waves do unpredictable things, greatly affecting a subwoofer's overall performance. Anthem Room Correction measures low-frequency sound output in a room and compares it to optimal response curves that account for spatial anomalies. The advanced algorithms of Anthem Room Correction effectively remove anomalies, leaving only the ideal standard—realistically blended, natural-sounding bass. *Dynamo 600X*, *800X*, *1100X*, and *1600X* utilize a Bluetooth connection with a smartphone or USB connection with a PC to run Anthem Room Correction.

MARTINLOGAN SUB CONTROL APP

Available for iOS and Android

MartinLogan's Subwoofer Control app uses a Bluetooth connection to simplify setup and configuration of *Dynamo 600X*, *800X*, *1100X*, and *1600X*. App based controls include volume level, low-pass filter (frequency and order), phase, 20–30Hz level, three preset listening modes, and control of Anthem Room Correction. A unique tone sweep feature assists users in locating areas in listening rooms where troublesome rattles or resonances may occur. A single press of a button allows listeners to initiate a tone sweep from 20–120Hz. If a rattle or resonance occurs in the room any frequency can be held, allowing the listener to investigate and identify the source of the unwanted noise.

UNIQUE FRONT-FIRING OR DOWN-FIRING DESIGN

When placed in a cabinet or other discreet location, *Dynamo 800X*, *1100X*, and *1600X* subwoofers can easily convert from standard down-firing to front-firing orientation, with no tools or special skills required. A grille is provided for use in front-firing applications.



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UNFLINCHING POWER, EXTENSION, AND ACCURACY

Dramatic bass detail and attack, superb extension, and room-shaking output ensure a compelling music and home theater experience.

POWERFUL, HIGH-EXCURSION, LOW-TURBULENCE, INVERTED SURROUND WOOFERS

The latest generation of MartinLogan Dynamo subwoofers feature advanced-design woofers with inverted surrounds and powerful magnet, motor, and suspension designs. In front-fire mode the unique inverted surround design maximizes excursion clearance behind the grill cover. When positioned in a down-firing configuration, the inverted surround significantly reduces airflow related turbulence for an articulate and detailed low-frequency experience. These advanced-technology woofers pair a high-power magnet structure (significantly more robust than previous generations) with low-mass diaphragms to provide massive excursions while perfectly preserving the tiniest bass detail. The exceptional damping properties of the cone ensure a smooth, non-resonant response necessary for truly seamless blending with high-performance loudspeakers. Every element of Dynamo subwoofers has been meticulously designed to deliver a staggering low-frequency performance – all without a hint of distortion.

ADVANCED ULTRA-EFFICIENT SWITCH MODE POWER SUPPLIES AND CLASS-D AMPLIFIERS

Dynamo subwoofer class-D amplifiers operate with extremely low levels of distortion and deliver dynamic impact with plenty of overhead. Low-noise, high-power switching power supplies produce clean power efficiently in a small space and effortlessly provide tremendous levels of current. Both feature high-quality MOSFET transistors, transformers, noise-suppression networks, and control circuitry. The switching power

supply combined with reliable class-D technology means there's virtually no energy lost in the subwoofer system.

INVERSE MATHEMATICAL EQUALIZATION (IME) FILTER

The IME filter used in the Dynamo subwoofers is derived from the inverse of the unfiltered driver response. Precision IME filtering yields extremely accurate low-frequency response—superior to that provided by the simple second-order high-Q filters typically found in subwoofers in this price range.

SEALED CABINET WITH EXTENSIVE INTERNAL BRACING

Although ports, when correctly designed, are a convenient and cost-effective way of increasing low-frequency output, when used in small cabinets their reliance on resonant energy can impair bass quality. *Dynamo 800X, 1100X, and 1600X* are compact, sealed subwoofer systems that minimize transient-blurring group delay while maintaining smooth, consistent response, regardless of music or movie source material. The cabinets are constructed from the finest composite material for acoustic integrity. Inside, critically placed structural cross-bracing provides a stable foundation for the woofer, while the added rigidity keeps cabinet-induced resonances and non-linearities to inaudible levels.

LOW-TURBULENCE PORTS

When properly optimized and executed, ports are a convenient, cost-effective way to increase low-frequency output. *Dynamo 400 and 600X* feature tuned, long low-turbulence ports designed to provide superb low-end extension while minimizing port induced distortion.

BUILT-IN ETC (ENERGY TRANSFER COUPLER) SPIKES

Dynamo 800X, 1100X, and 1600X come with custom ETC spikes which can be used to enhance stability on thick carpets, or create tighter coupling between subwoofer and floor to enhance overall sound quality. The built-in spikes are conveniently and discretely hidden underneath the rubber feet.





DYNAMO 400

System Frequency Response

30–200 Hz ± 3 dB. Anechoic in LFE mode.

System Frequency Response

8" (20.3cm) high-excursion, inverted surround, polypropylene cone in a stamped steel basket with extended throw driver assembly. Ported.

Amplifier

75 Watts (150 peak)

Software

N/A

Controls (Backplate)

Level: Min–Max

Low-Pass Filter: 35–120Hz, Bypass

Phase: 0°, 180°

Power Mode: On, Auto

Controls (via Bluetooth)

N/A

Inputs (Audio)

Line Level: Left, Right/LFE

Speaker Level: Left and Right via banana jacks

Input (Audio, Wireless)

N/A

Inputs (Other)

N/A

Input Impedance

RCA: 8,300 Ohms

Speaker Level: 2,000 Ohms (red to black)

Room Correction

N/A

Power Draw

Typical: 20W, Max: 90W, Idle: 4W, Standby: 0.5W

Feet

Rubber

Weight

28.5 lbs. each (12.9 kg)

Dimensions (HxWxD), Front-Firing

N/A

Dimensions (HxWxD), Down-Firing

15.2 x 13.3 x 13.7 inches (38.5 x 33.7 x 34.8 cm)

Finish

Satin Black



DYNAMO 600X

System Frequency Response

27–200 Hz ± 3 dB. Anechoic in LFE mode.

System Frequency Response

10" (25.4cm) high-excursion, inverted surround, polypropylene cone in a stamped steel basket with extended throw driver assembly. Ported.

Amplifier

120 Watts (240 peak)

Software

Sub Control App: iOS and Android

Anthem Room Correction: iOS, Android, and PC

Controls (Backplate)

Level: Min–Max

Setting Control: Local, App

Power Mode: On, Auto

Controls (via Bluetooth)

Level: -40 to 12dB

Low-Pass Filter (Frequency): 35–120Hz

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

Phase: 0–180° (1° Increments)

Phase (Polarity): Normal, Inverted

Preset Listening Modes: Music, Night, Movie

20–30Hz Level: ± 10 dB

Anthem Room Correction (ARC™): On, Off

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

Inputs (Audio)

Line Level: Left, Right/LFE

Speaker Level: Left and Right via banana jacks

Input (Audio, Wireless)

SWT-X Receiver & Transmitter (sold separately)

Inputs (Other)

USB: Micro USB (for ARC/Firmware Update)

Input Impedance

RCA: 8,300 Ohms

Speaker Level: 2,000 Ohms (red to black)

Room Correction

Anthem Room Correction (ARC)

Power Draw

Typical: 30W, Max: 150W, Idle: 4W, Standby: 0.5W

Feet

Rubber

Weight

35.5 lbs. each (16.1 kg)

Dimensions (HxWxD), Front-Firing

N/A

Dimensions (HxWxD), Down-Firing

16.3 x 14.5 x 14.9 inches (41.5 x 36.7 x 37.8 cm)

Finish

Satin Black



DYNAMO 800X

System Frequency Response

24–200 Hz ± 3 dB. Anechoic in LFE mode.

System Frequency Response

10" (25.4cm) high-excursion, inverted surround, polypropylene cone in a stamped steel basket with extended throw driver assembly; sealed non-resonant cabinet design.

Amplifier

300 Watts (600 peak)

Software

Sub Control App: iOS and Android

Anthem Room Correction: iOS, Android, and PC

Controls (Backplate)

Level: Min–Max

Setting Control: Local, App

Power Mode: On, Trigger, Auto

Controls (via Bluetooth)

Level: -40 to 12dB

Low-Pass Filter (Frequency): 35–120Hz

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

Phase: 0–180° (1° Increments)

Phase (Polarity): Normal, Inverted

Preset Listening Modes: Music, Night, Movie

20–30Hz Level: ± 10 dB

Anthem Room Correction (ARC): On, Off

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

Inputs (Audio)

Line Level: Left, Right, and LFE

Speaker Level: Left and Right via banana jacks

Input (Audio, Wireless)

SWT-X Receiver & Transmitter (sold separately)

Inputs (Other)

USB: Micro USB (for ARC/Firmware Update)

Trigger: 3.5mm, 5–24 DC

Input Impedance

RCA: 8,300 Ohms

Speaker Level: 2,000 Ohms (red to black)

Room Correction

Anthem Room Correction (ARC)

Power Draw

Typical: 70W, Max: 360W, Idle: 10W, Standby: 0.5W

Feet

Rubber, ETC (Energy Transfer Coupler) Spikes

Weight

30 lbs. each (13.6 kg)

Dimensions (HxWxD), Front-Firing

14.6 x 12.4 x 12.7 inches (37.1 x 31.5 x 32.4 cm)

Dimensions (HxWxD), Down-Firing

13.7 x 12.4 x 13.1 inches (34.8 x 31.5 x 33.3 cm)

Finish

Satin Black



DYNAMO 1100X

System Frequency Response

22–200 Hz ± 3 dB. Anechoic in LFE mode.

System Frequency Response

12" (30.5cm) high-excursion, inverted surround, polypropylene cone in a cast aluminum basket with extended throw driver assembly; sealed non-resonant cabinet design.

Amplifier

500 Watts (1,000 peak)

Software

Sub Control App: iOS and Android

Anthem Room Correction: iOS, Android, and PC

Controls (Backplate)

Level: Min–Max

Setting Control: Local, App

Power Mode: On, Trigger, Auto

Controls (via Bluetooth)

Level: -40 to 12dB

Low-Pass Filter (Frequency): 35–120Hz

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

Phase: 0–180° (1° Increments)

Phase (Polarity): Normal, Inverted

Preset Listening Modes: Music, Night, Movie

20–30Hz Level: ± 10 dB

Anthem Room Correction (ARC): On, Off

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

Inputs (Audio)

Line Level: Left, Right, and LFE

Speaker Level: Left and Right via banana jacks

XLR: LFE

Input (Audio, Wireless)

SWT-X Receiver & Transmitter (sold separately)

Inputs (Other)

USB: Micro USB (for ARC/Firmware Update)

Trigger: 3.5mm, 5–24 DC

Input Impedance

RCA: 8,300 Ohms

Speaker Level: 2,000 Ohms (red to black)

XLR: 28,000 Ohms (pin 2 to 3)

Room Correction

Anthem Room Correction (ARC)

Power Draw

Typical: 100W, Max: 600W, Idle: 15W, Standby: 0.5W

Feet

Rubber, ETC (Energy Transfer Coupler) Spikes

Weight

46 lbs. each (20.9 kg)

Dimensions (HxWxD), Front-Firing

17.2 x 15 x 16.2 inches (43.6 x 38 x 41.1 cm)

Dimensions (HxWxD), Down-Firing

17.1 x 15 x 15.6 inches (43.5 x 38 x 39.6 cm)

Finish

Satin Black



DYNAMO 1600X

System Frequency Response

20–200 Hz ± 3 dB. Anechoic in LFE mode.

System Frequency Response

15" (38.1cm) high-excursion, inverted surround, polypropylene cone in a cast aluminum basket with extended throw driver assembly; sealed non-resonant cabinet design.

Amplifier

650 Watts (1,300 peak)

Software

Sub Control App: iOS and Android

Anthem Room Correction: iOS, Android, and PC

Controls (Backplate)

Level: Min–Max

Setting Control: Local, App

Power Mode: On, Trigger, Auto

Controls (via Bluetooth)

Level: -40 to 12dB

Low-Pass Filter (Frequency): 35–120Hz

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

Phase: 0–180° (1° Increments)

Phase (Polarity): Normal, Inverted

Preset Listening Modes: Music, Night, Movie

20–30Hz Level: ± 10 dB

Anthem Room Correction (ARC): On, Off

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

Inputs (Audio)

Line Level: Left, Right, and LFE

Speaker Level: Left and Right via banana jacks

XLR: LFE

Input (Audio, Wireless)

SWT-X Receiver & Transmitter (sold separately)

Inputs (Other)

USB: Micro USB (for ARC/Firmware Update)

Trigger: 3.5mm, 5–24 DC

Input Impedance

RCA: 8,300 Ohms

Speaker Level: 2,000 Ohms (red to black)

XLR: 28,000 Ohms (pin 2 to 3)

Room Correction

Anthem Room Correction (ARC)

Power Draw

Typical: 125W, Max: 800W, Idle: 15W, Standby: 0.5W

Feet

Rubber, ETC (Energy Transfer Coupler) Spikes

Weight

57 lbs. each (25.9 kg)

Dimensions (HxWxD), Front-Firing

20.1 x 17.9 x 19.1 inches (51 x 45.4 x 48.6 cm)

Dimensions (HxWxD), Down-Firing

20 x 17.9 x 18.5 inches (50.9 x 45.4 x 47 cm)

Finish

Satin Black