

BalancedForce 212

Dual 850 Watt Amplifiers. 3,400 Watts Peak System Total.
Dual 12" Aluminum Cone Woofers.

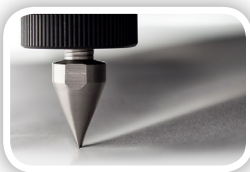


Ultimate Subwoofer Performance

BalancedForce™ subwoofers are the realization of years of engineering by the MartinLogan team combined with the latest innovations in advanced Digital Signal Processing (DSP), amplification, electrical system designs and room correction (PBK). They are specifically designed to blend with Electrostats without diminishing the wonderful electrostatic snap and midrange clarity. A true no-compromise subwoofer – regardless of application.



The most important achievement in the all-new BalancedForce 212 is driver configuration (yes, *that's where we derived the name!*). Two identical 12-inch drivers – high-performance, high-excursion aluminum-cone woofers – are mounted at a “balanced” 180 degrees apart from each other in the cabinet. As a result, their reaction force vectors exactly cancel, virtually eliminating cabinet resonance and vibration. Gone with them are the cabinet-radiation coloration and bass blur that afflict even the best conventional subwoofers.



A New Level of Flexibility to System Integration

BalancedForce 212's advanced electrical control system brings new levels of flexibility to system integration, allowing listeners to install speaker-specific custom low-pass filters to assure a perfect match with MartinLogan speakers. Installation is simple - download a custom filter (*FREE from MartinLogan.com*) and save it on a USB thumb drive. Insert the drive in the subwoofer's USB input, and the DSP takes care of the rest! Not using MartinLogan speakers? No problem. BalancedForce 212's robust control system allows the user to dial in the low-pass frequency, phase, and level to match the user's unique requirements.

BalancedForce 212 (cont'd)

SPECIFICATIONS

Frequency Response

18–120 Hz $\pm$ 3 dB. Anechoic through the LFE effects input.

Low Pass Filter Frequencies

30Hz–80Hz

Phase

0°, 90°, 180°, 270°

25Hz Level Control

$\pm$ 10 dB

Power Control

On, Auto (12V Trigger), Off

Room Correction

Perfect Bass Kit (PBK) Ready (sold separately)

Woofers

2 x 12" (30.5 cm) cast-basket, high excursion, aluminum cone with extended throw driver assembly, sealed non-resonant asymmetrical chamber format

Amplifiers

2 x 850 watts RMS (3,400 watts peak system total)

Impedance

Left & Right/LFE RCA: 20,000 Ohms

Inputs

RCA: Left, Right and LFE.

XLR: Left, Right and LFE.

Speaker Level: Left and Right banana jacks.

12V Trigger: 3.5mm.

Mini USB: for PBK

USB: for crossover & firmware updates

Output (RCA)

Multi Out (for multi-sub connection)

Input Impedance

RCA: 10k Ohms

XLR: 15k Ohms per phase

Speaker Level: 10k Ohms per phase (20k Ohms red to black)

Power Draw

Typical: 250 Watts; Idle: 30 Watts

Cabinet

Sealed

Weight

140 lbs. each (63.5 kg)

Size (H x W x D)

22.6" H x 22.6" W x 22.9" D

(57.4cm H x 57.4cm W x 58.2cm D)

Specifications are subject to change without notice.



Easy Access to all settings: Top mounted controls are discretely hidden beneath a smoked glass accent panel.

Top Plate Finish Options:



High-Gloss Black



High-Gloss White



Walnut



Dark Cherry



Perfect Bass Kit (PBK) - Room Correction

Tailor performance to the unique acoustic properties of any room (sold separately).



BalancedForce 212 Features Include:

- Rigid, Low-Mass Aluminum Element Woofers
- Dual 12-inch tBalancedForce™ Woofer Alignment
- PBK Room Correction (sold separately) and Built-In 25Hz Level Control
- Custom Low-Pass Filters For Specific Individual Loudspeaker Models
- Two Proprietary High-Power Amplifiers Delivering a System Peak of 3400 Watts
- Simultaneous LFE and 2-Channel Connection (via RCA, XLR, and Speaker Level Inputs)
- Sealed Cabinet Enclosure
- Top Mounted Control Interface
- Tone Sweep to Help Identify Room Rattles and Resonances
- 12-Volt Trigger Control
- ETC™ (Energy Transfer Coupler) Spikes

BalancedForce 212 Subwoofer

