

The Revel® Concerta™ B120 is a high-performance powered subwoofer, designed to add essential bass response to any music or home theater system, particularly those built around Revel Concerta Series loudspeakers. The B120 subwoofer delivers accurate and authoritative bass from a surprisingly compact enclosure. Adjustable controls, parametric room equalization and multiple connection options provide unequalled placement flexibility, and allow you to optimize low-frequency performance for any listening environment. An optional wireless transmitter greatly simplifies installation.

Featuring a 12" (305mm) woofer with 1-1/2" (38mm) peak-to-peak excursion and a 250-watt (RMS) amplifier, the B120 adds serious bass punch with very low distortion, even at the lowest frequencies and at high output levels. A huge 2" (51mm)-diameter copper voice coil on a Kapton® bobbin, along with sophisticated cooling, contributes to impressive power handling and freedom from dynamic compression.

About Revel

Since 1996, the Revel brand has been at the forefront of loudspeaker design, striving to build the world's finest loudspeakers. Backed by the extensive facilities and resources of Harman International, Revel products benefit from cutting-edge development tools unavailable to most manufacturers, such as:

- A multichannel listening lab, facilitating double-blind listening tests
- A laser interferometer, enabling detailed driver and cabinet analysis
- Multiple large anechoic chambers, providing precise tests and measurements
- Finite-element analysis, allowing for advanced loudspeaker modeling
- Stereo lithography equipment, aiding in the achievement of tight tolerances



CONCERTA™

B120 Powered Subwoofer

Deep, Realistic Revel® Bass – Wired or Wireless.



B120 Subwoofer Specifications

CONCERTA



Frequency Response:	+/-0.5dB in the pass-band
Low-Frequency Extension (Anechoic):	-3dB at 36Hz, -6dB at 32Hz, -10dB at 29Hz
Maximum Amplifier Output:	20Hz - 150Hz with no more than 0.1% THD, 250W RMS, 300W dynamic
Low-Pass Crossover Frequencies:	50Hz - 150Hz, 24dB/octave, continuously variable
Power Requirements:	120V AC @ 60Hz, 2A
Dimensions (H x W x D):	17-3/4" (450mm) x 15-3/4" (400mm) x 14" (356mm) (including feet and grille)
Weight:	51 lb (23.2kg)

Available Finishes:



Black

Silver

Cherry

Transducer

The B120's proprietary woofer diaphragm is constructed of micro ceramic composite (MCC), a new material created by adonizing both sides of an aluminum core. Anodizing both sides of an aluminum core adds strength and stiffness – but very little weight – to a material already well suited for use in transducer diaphragms.

The B120 spider incorporates a superior-strength Nomex®/cotton blend with optimized geometry for increased linearity.

The large ceramic magnet motor system includes a 2" (51mm)- diameter copper voice coil wound on a Kapton® bobbin for impressive power handling and freedom from dynamic compression. A vented center pole facilitates heat dissipation, allowing more efficient cooling for high-power handling and low compression.

Built-In Wireless Receiver

With an optional TX1 wireless transmitter connected to your audio system, the B120 can be placed anywhere in your room within reach of an AC outlet. One or two B120 subwoofers can be operated with a single TX1 transmitter.

Amplifier

250W RMS, 300W dynamic power

Fully Parametric Room EQ

Any subwoofer's performance will be, to at least some degree, affected by the acoustics of the room in which the subwoofer is used, and where in the room the sub is situated. Certain low-bass frequencies may be adversely affected by standing waves (also known as room modes), where some frequencies are exaggerated (peaks), while others might be diminished (dips). To tame the subwoofer's response in the listening room, the B120 features a parametric room EQ function, with controls for frequency, level and bandwidth to tune out room-induced response anomalies.

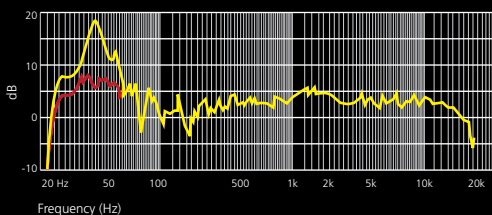
Cabinet/Port

The B120 cabinet is constructed of rigid MDF with extensive internal bracing to reduce cabinet-induced colorations. A downward-firing port allows for placement against a wall or in a cabinet. Rubber-padded feet ensure optimal stability on any floor surface.



Response Improvement Attainable With Equalizer

— Before Parametric Equalization
— After Parametric Equalization: One Filter Only



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