

AMC B1-30

Active Subwoofer



Features:

- 5-way gold-plated binding post-in/out,
- Stereo gold-plated RCA jack-line in,
- Continuously Adjustable, 0 to 180 degree Auto-turn on/off
- Soft-clipping facility
- Captive power cord
- One-piece fiberglass double side PCB
- Master power switch

Performance/Specifications

Frequency Response: 30 - 180Hz
Adjustable: 40 to 180Hz
Sensitivity: 89dB
Continuous power: 150W @ 100Hz, 4-ohm, 0.1%THD
Dynamic power: 250W (24 dBW)
THD @ rated power: 0.008%
Max. o/p current: >100A (1 mS)
S/N @ rated power: 100 dB
Phase: 0 to 180 adjustable
LPF: 40Hz to 180Hz adjustable;
Butterworth type: -12 dB/octave<325Hz,
-24 dB/octave>325

Woofer: 10" injection polypropylene cone
Internal volume: 30 litres
Design type: Bass-reflex / front port x 2
Dimension (W x H x D): 305 x 420 x 470mm
Weight: Net 20Kg
Shipping 23Kg
Finish: Black ash

Affordable, relatively light, small in size, practical yet powerful, the AMC B1-30 direct-radiating active subwoofer was designed, originally, to enhance the excitement and realism of today's digital home theatre experience. It has, however, been field-proven to be equally competent in commercial fixed installs such as board, meeting, conference, reception rooms, karaoke lounges, lecture theatres and front foyers where equipment reliability is paramount. Its fundamental design features a built-in high-current discrete amplifier and a long-throw polypropylene driver.

Driven by a high-end 10" transducer and powered by a fully discrete 150-watt amplifier, the AMC B1-30 is optimized for low-frequency fill-ins to the overall programme material in small to large rooms. Essentially, the B1-30 extends the frequency response of a typical full-range or satellite loudspeaker system to include the critical low frequency effects and harmonic details which are necessary to ensure dynamism and realism, resulting in appreciably increased excitement for the listening audience.

The sophisticated amplifier design of the B1-30 features a protective dynamic soft-clipping circuitry that guards against overload and, therefore, distortion. Included is a selectable Auto-mute utility that automatically turns the subwoofer on when it senses the presence of a programme signal. Similarly, when no signal is present after a period of time, the logic-circuit mutes to "STAND-BY" the subwoofer automatically.

The incorporation of a continuously variable phase adjustment knob [phase correction between 0 through 180 degrees] provides for seamless integration with the other [main, front, overhead and/or surround] speakers in the system, providing maximum flexibility in the physical placement of this small but powerful subwoofer within the room. In addition, a continuously variable Low-pass Filter control - adjustable between 40 and 180 Hz - allows for a professionally optimized alignment of the audio system so as to seamlessly match and/or compensate for the room acoustics and programme material.



Acoustics & Engineering

Private Limited

11 Changi North Street 1
#02-01, Changi North Industrial Estate
Singapore 498823
Tel: (65) 6214 0146 / 7 Fax: (65) 6214 1606
E-mail: aeonline@singnet.com.sg
<http://www.ane.com.sg>