

BCM112

Overhead Omnidirectional Condenser Boundary Microphone

Description

The Astatic BCM112 is a professional overhead condenser microphone designed for discreet ceiling mounted installations where natural, even sound pickup is critical. Using an omnidirectional polar pattern, the BCM112 captures voices uniformly across meeting tables and shared spaces, making it an excellent choice for conference rooms, classrooms, distance learning environments, and houses of worship. Its compact, low profile design enables virtually hidden installation in ceilings while maintaining clear and intelligible audio reproduction.

Built for modern installed sound environments, the BCM112 incorporates excellent RF shielding, ensuring immunity from interference caused by mobile phones and other wireless devices commonly present in meeting spaces. A built in 100 Hz high pass filter reduces low frequency noise from HVAC systems and structural vibration while preserving speech clarity and tonal balance. Powered by standard phantom power (DC 12-52V) and terminating via a convenient 3 pin fast connector, the BCM112 installs quickly into standard electrical boxes for fixed or suspended ceiling applications.



Key Features & Benefits:

- Overhead condenser microphone for fixed ceiling installation
- Omnidirectional pickup pattern delivers even, consistent coverage
- Excellent RF shielding rejects interference from wireless devices
- Built in 100 Hz high pass filter (18 dB/octave) minimizes low frequency noise
- Wide dynamic range and high gain before feedback for clear speech reinforcement
- Flat, wide frequency response ensures natural voice reproduction
- Phantom powered operation (DC 12-52V) for broad system compatibility
- Compact, concealed installation design integrates cleanly into ceilings

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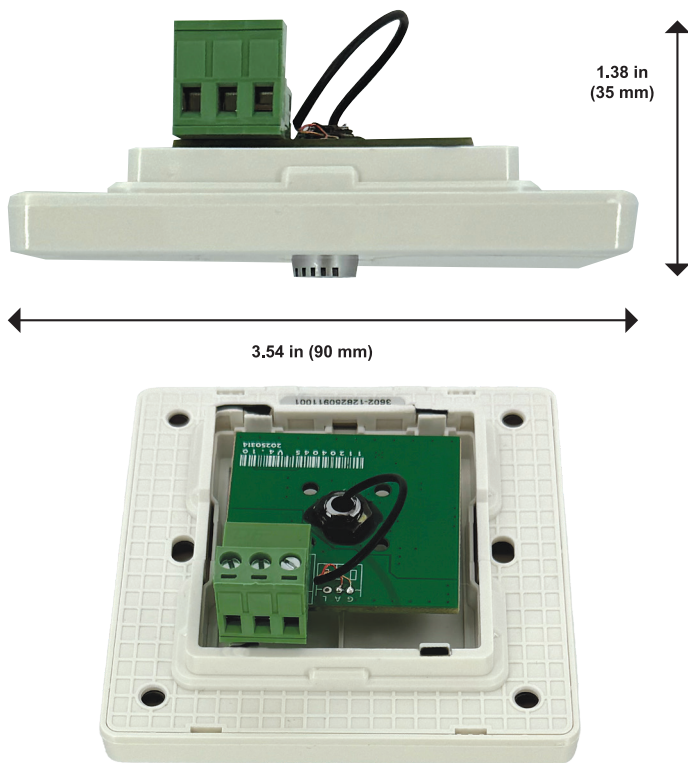
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Specifications†

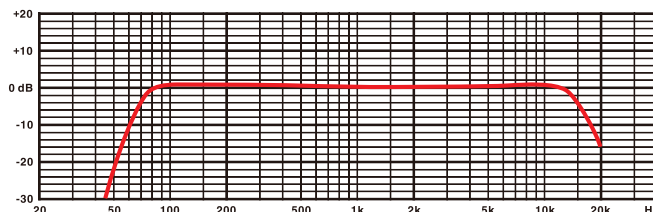
Operating Principle	Condenser
Polar Pattern	Omnidirectional
Frequency Response	35Hz-18KHz
High Pass Filter	100 Hz, 18 dB/octave
Sensitivity	-32dBV (1 V/Pa)
Output Impedance	200 ohms
Max SPL	130 dB SPL (1 kHz @ 1% THD)
Signal-to-Noise Ratio	>68 dB (1 kHz @ 1 Pa)
Dynamic Range (Typical)	110dB
Power Requirements	Phantom power DC 12-52V
Current Consumption	8 mA (typical)
Output Connector	3-pin fast connector
Finish	White
Product Dimensions	3.54" x 3.4" x 1.38" (90mm x 86mm x 35 mm)
Weight	3.6 oz (95g)
RoHS	Compliant

†Specifications subject to change without notice.

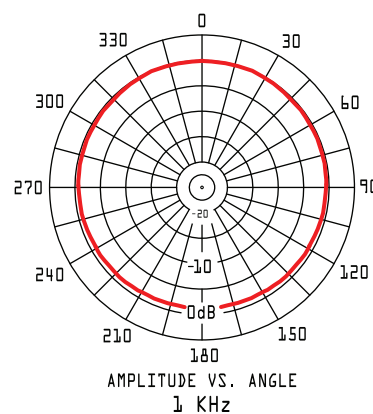
Dimensional Drawing



Frequency Response



Polar Pattern



Two-Year Limited Warranty

CAD Audio hereby warrants that this product will be free of defects in material and workmanship for a period of two years from the date of purchase. In the unlikely event that a defect occurs, CAD will, at its option, either repair or replace with a new unit of equal or greater value. In the event that a suitable replacement is unavailable, CAD Audio may elect to reimburse owner for the cost of local repairs or issue a refund in the amount of the original purchase price. Items must be purchased from an authorized CAD Audio dealer, and the warranty is not transferable from the original owner. Please retain proof of purchase to validate the purchase date and include it with any warranty claim.

This warranty excludes exterior finish or appearance, damage from abuse, misuse of the product, use contrary to CAD's instructions or unauthorized repair. All implied warranties, merchantability, or fitness for a particular purpose is hereby disclaimed and CAD hereby disclaims liability for incidental, special or consequential damages resulting from the use or unavailability of this product.

This warranty gives you specific legal rights and you may have other rights that vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.

Note: No other warranty, written or oral is authorized by CAD Audio.

To initiate a warranty claim, please contact American Music and Sound at 1-800-431-2609 to obtain a return authorization number and shipping instructions.

- A return authorization is required for all returns. RETURNS WITHOUT A PRE-APPROVED RETURN AUTHORIZATION NUMBER WILL BE REFUSED.
- Please use at least 3 inches of padding surrounding the product for protection during shipment
- Retain your tracking number until your warranty claim has been resolved
- We recommend using an insured shipping method in case of loss or damage during shipment

If outside the United States, contact your local dealer or distributor for warranty details.



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