IMB & IMBL High Definition Boundary Microphones™
For Boardrooms, Teleconferencing & Government Facilities

- High Definition Boundary Microphones™ for Conference Rooms and Fixed Sound Installations
- True Semisphere™ Polar Response (near-perfect frequency response at 0º, 45º & 90º)
- Very High Intelligibility
- LumiComm™ Programmable LED Touch Ring (with red and green LEDs)
- Non-Touch Ring Models Available in Black or White
- Can be Installed in Conference Tables (includes lock nut)
- 60Hz to 30kHz Frequency Response
- RF Shielding against cell phones and other RF devices
- 136dB Max Acoustic Input
- Requires 24-48V Phantom Power
- Available in Black, White or Silver

Earthworks IMB & IMBL Series™ Boundary Microphones
The IMB & IMBL boundary microphones provide a low profile, pristine sounding microphone solution for permanent sound installations. The extended high frequency response to 30kHz and True Semisphere™ polar response allow those speaking to maintain the same intelligibility at the front and sides of the microphone without a loss of high frequencies. In addition, the extremely fast diaphragm settling time allows more subtle details of the human voice to be reproduced, which adds to the amazing clarity and intelligibility of these microphones. A prominent feature of the IMBL microphones is the LumiComm™ LED Touch Ring (with dual color LEDs in red & green) that is touch sensitive and can be used to turn the microphone on or off, or any other programmed function, simply by touching the light ring. The IMBL system interface board will allow the touch ring to be programmed by standard system interfaces or logic control systems. The IMBL system interface board is powered from an external power source (8-28 VDC @ 85-170 mA) and can be programmed by standard system interfaces or logic control systems.

Near-Perfect Polar Response
David Blackmer, founder of dbx® and Earthworks® invented a number of new microphone technologies resulting in a totally new approach to microphone design. One such technology was the creation of near-perfect polar response. When you look at the polar response of an Earthworks microphone, the mid-frequencies, high-frequencies and low-frequencies all look very close to a “textbook” perfect polar pattern. In practice this means the polar response of an Earthworks microphone is extremely uniform over its operating frequency range; the frequency response at 90º and 180º off-axis is very close to the on-axis response. This uniform polar response results in less phase problems and much higher intelligibility at the sides of the microphone.

Specifications & Dimensions are on back of this page
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**IMB30**

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**IMB SERIES SPECIFICATIONS**

- **Frequency Response:** 60Hz to 30kHz, -3dB @ 1 ft. (30cm)
- **Polar Pattern:** Omni Semisphere
- **Sensitivity:** 60mV/Pa
- **Power requirements:** 24-48V Phantom, 10mA
- **Max Acoustic Input:** 136dB SPL
- **Output:** XLR-3 (pin 2+)
- **Output Impedance:** 65 ohms balanced
- **Min. Output Load:** 1k between pins 2 & 3
- **Noise:** 19dB SPL (A weighted)
- **Light Ring LED Colors:** Dual Red or Green
- **Light Ring Voltage:** 8-28VDC @ 85-170mA
- **Light Ring Activation:** Momentary Digital Pulse
- **Microphone Color:** Black, White, Silver or Stainless Steel
- **Dimensions:** See drawings on right side of page
- **Weight:** 0.28 lbs. (125g)

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**Recommended Microphone Placement**

- Mounting hole: Ø 1 1/16" (27 mm)
- Install in a hard surface, such as a table, ceiling or wall.
- Vibration damper provides isolation from mounting surface.
- Do not overtighten washer, as this reduces shock isolation.

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**IMB Dimensions**

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**IMBL Dimensions**