



Delta Microphone Microphones

The Delta boundary microphone is three wide-range condenser microphones mounted in a heavy-duty die cast steel enclosure. Its professional design accentuates teleconferencing applications which demand high performance audio quality. Its compact size makes the microphone ideal for conference tables which require minimum visibility microphones. The microphone can be easily mounted to the tabletop to provide listeners with superior audio while being unobtrusive to teleconferencing participants.

Each microphone element is protected by two layers of sturdy perforated steel with a minimum reflectance black finish. The microphone has three cardioid polar patterns which allow it to receive audio in a 360° pattern. Because each element is wired independently, the Delta microphone divides the room into thirds to eliminate reverberations and minimize ambient noise pick-up. This provides the rich sound of three individual unidirectional microphones while maintaining full 360° coverage.

Outputs are low impedance, balanced, and mated with XLR-type cable connectors. Balanced signals appear across pins 2 and 3, while the ground (shield) connections appear across pin 1. Outputs are phased so that positive acoustic pressure produces positive voltage at pin 2 in accordance with industry standards. The Delta microphone is powered from an external 5V to 52VDC phantom power supply.



Delta mics can be easily mounted to the tabletop to provide listeners with superior audio.

Features and Benefits

- 360° pick-up range with a dead zone above increases intelligibility and reduces unwanted noise
- Sleek, low profile design
- Provides greater frequency response and dynamic range

Operation and Maintenance

Both symmetry and mounting surface area directly affect the sensitivity of the Delta microphone at low frequencies. Ideally, the mounting surface should be circular; however, square or rectangular surfaces are most often used. If the mounting surface is rectangular, the smaller dimension tends to dictate low-frequency cutoff. Ideally, the microphone should be centered on the surface being used. The sound source should not be below or higher than 60 degrees above plane of the mounting surface.

Applications

- Conference Rooms
- Boardrooms
- Distance Learning
- Training Rooms
- Courtrooms
- Hotels



Tabletop Uni and Omni Microphones

These superior quality boundary microphones are for use on flat surfaces in schools, conference rooms, theaters, studios, meeting rooms, etc. Designed as wide-range condenser microphones, Gentner's Uni and Omnidirectional Microphones are very low profile and easy to operate.

The microphones are perfect for teleconferencing applications which demand high performance audio quality. Their small size makes them ideal for conference tables which require minimum visibility microphones.

The microphone should be centered on the surface and positioned with the front of the microphone facing the sound source along the longer dimension of the mounting surface. The sound source should not be below or higher than 60° above the plane of the mounting surface.

Positioning this type of microphone centrally on a large, flat unobstructed surface yields several distance advantages. Directionality is increased by 3dB, promoting enhanced gain before feedback and further suppression of ambient noise. Sensitivity is increased for improved signal to noise ratio. Phase distortion due to reflected sound energy from the boundary itself is eliminated.



Tabletop mics are perfect for teleconferencing applications which demand high performance.

Features and Benefits

- Provides greater frequency response and dynamic range
- Equipped with a low-cut filter, rejecting unwanted noises
- Mics are low profile and very discreet

Specifications

Element: Electret condenser
Polar Pattern: Omnidirectional/Unidirectional Cardioid
Frequency Response: 50Hz to 18kHz
Sensitivity: -65dB ±3dB at 1,000Hz (0dB = 1 microbar)
Output Impedance: 250Ω (balanced)
Operating Voltage: 9 to 52VDC (phantom power)
Current Drain: <2.0mA (operating voltage range)
Max SPL: 141dB (1% THD open circuit)
Signal to Noise Ratio: >65dB (0dB = 1 microbar)
Connector: A3M Type (XLR male)
Cable Length: 8 m/26.25'
Weight: 15.7 oz/60 g (without cable)
Microphone Size WxL (Top View): 2.8" x 3.4" / 70 x 85 mm

Applications

- Conference Rooms
- Boardrooms
- Distance Learning
- Training Rooms
- Courtrooms
- Hotels

Gentner is a division of ClearOne Communications Inc.

Gentner Communications EuMEA GmbH ~ Leonhardstr.16-18, 90443 Nürnberg, Germany,
tel +49 911 955159-0, fax +49 911 955159-10, global@clearone.com ~ www.clearone.com

© 2001 Gentner Communications Corporation. All rights reserved. Other product names may be trademarks of their respective owners.
Information in this document subject to change without notice. 802-103-161-01 Revision 1.2