Cobalt™ Co4
Instrument Microphone

COBALT™
WIRED
MICROPHONES

General Product Description

Designed to yield outstanding performance in applications requiring the miking of acoustic and electric instruments, as well as vocal performances. Excellent for stage or studio, the Co4's versatility will make it a "must have" in any microphone mix.

Microphone Use and Placement

Please note that miking techniques are a matter of personal preference. These are merely guidelines to assist in the placement of the microphone to gain optimal performance.

Usage	Optimal Placement
Electric Guitar and Bass Guitar Amplifier	Place microphone approximately 1-2" from and at a 90° degree angle to the speaker cone. To reduce boominess, move the microphone off axis to the cone from 90° to 45°, or move mic from center of cone to either edge.
Tom-Toms	On double headed Toms place mic over the top of drum 1-3" and at a 45° angle to the drum surface and 1-2" in from the drum edge. On single headed Toms use above method or place mic inside Tom from underneath at a 90° angle from the center of head, 3-5", away.
Snare Drum	Place mic 1-3" above the heads, 1-2" in from the rim. Aim each mic at the top heads angled down about 45°. If the drum rings, tape deadening material to the head or use damping rings. For more "snare" sound place a 2nd mic underneath aimed up at the bottom of head.
Cymbals	Place microphone one to two feet above the top of cymbals.
High-Hat	Place 5 inches above outside edge at a 45° down angle.
Brass	6-24" away, and on axis with the bell of the instrument.
Acoustic Guitar	Place mic 6-12" from where finger board joins the body.

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Specifications

Element	Dynamic Neodymium magnet structure
Frequency Response	50 Hz to 18 kHz
Polar Pattern	Cardioid
Impedance	Low-Z balanced (600 Ohms)
Sensitivity	
Open Circuit Voltage	2.8 mV/Pa (-51dBV) re 1 Pa* 1 Pa = 94dB SPL
Microphone Connector	3-pin, XLR-type
Polarity	Pin 2 positive, referenced to pin 3 with positive pressure on diaphragm
Finish	Durable polyurethane paint
Materials	Die cast zinc housing
Dimensions	
Length	5.8 in. (148 mm)
Diameter	.92 in. (23 mm)
Shank	.46 in. (12 mm)
Weight	
Net	12 oz. (340 grams)
Accessories included	Stand adaptor (black)

Standard Placement & Use Guidelines

1. Always point the microphone at the desired source of sound, and away from any unwanted sources.
2. The microphone should be located close to the sound source to minimize interference from other potential sound sources.
3. Use the 3-to-1 rule when using multiple microphones. Place each microphone three times farther from other microphones as from the desired sound source.
4. Minimize over-handling of the microphone to reduce unwanted mechanical noise.
5. Working close to the microphone will increase the bass tone and also provide increased gain-before-feedback.

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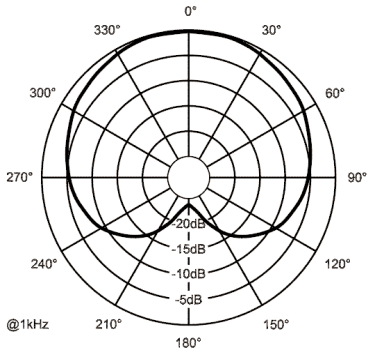

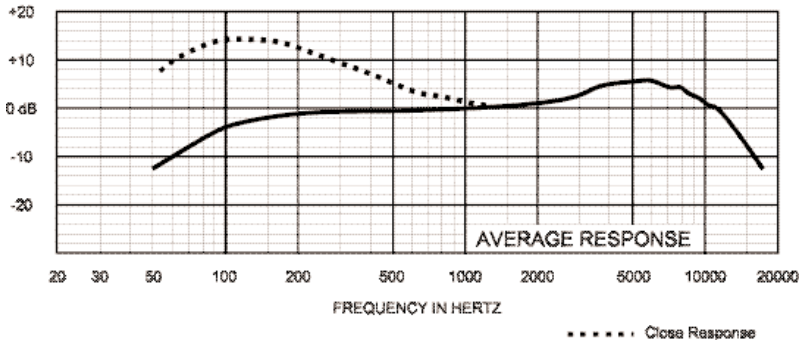

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Specifications subject to change without notice.