

# OM6 DYNAMIC VOCAL MICROPHONE

## overview

Conceivably the finest example of dynamic microphone technology today, the Audix OM6 breaks every record in live performance criteria. Rich, full bodied vocal sound; unmatched clarity and detail; extended low end response; high SPL levels without distortion; low handling noise; superior off-axis rejection; maximum gain before feedback; and rock solid durability.

By employing Audix's VLM (very low mass) technology, the OM6 is very responsive to transients and harmonics. This, along with a rising frequency response between 2-10k, allows the OM6 to compete with the sound of condenser microphones.

Transformerless design and balanced, low impedance output allow for interference-free performance even with long cable runs.

## specifications

Transducer Type	Dynamic
Frequency Response	40 Hz- 19 kHz
Polar Pattern	Hypercardioid
Output Impedance	200 ohms
Sensitivity	2.3 mV
	ref 1k @ 1 Pascal
Capsule Technology	VLM Type D
Off axis rejection	>25 dB
Maximum SPL	>144 dB
Cable/Connector	3 pin gold
	plated male XLR
Polarity	Positive voltage on pin
	2 relative to pin 3 of
	output XLR connector
Housing	Zinc alloy
Weight	10.5oz/298 grams

## OM6 DYNAMIC MIC



## applications

- ▶ **Live Stage, live recording**  
*Excellent for lead and backing vocals - all venues*
- ▶ **Instruments**  
*Sax, guitar and bass cabs, flute, toms, floor toms, congas*
- ▶ **Broadcast**  
*Announce mic, interview mic*
- ▶ **Home Studio**  
*Multi-use vocal and instrument applications*



Lead Vocals



Background Vocals



Flute



Saxophone



Electric Guitar Cabs



# OM6 DYNAMIC VOCAL MICROPHONE

**Operation and Maintenance:** Although the OM-6 is a durable handheld dynamic microphone with a dent-resistant spring steel grill, it should still be handled with care. Avoid extreme temperatures wherever possible.

**WARNING:** Moisture can adversely affect the sound and performance of your microphone. For outdoor use, consider using the optional external windscreen (WS-357) to reduce wind noise. When not in use please store in provided pouch.

**Recording:** The OM6 has a very sophisticated, high quality transducer element, and can be very useful for a variety of recording applications. For live recording, or to attain the feel of a live vocal, the OM6 is an excellent choice. It will provide a true, accurate sound and isolate the vocal(s) from other surrounding instruments. Because of the tight hypercardioid pattern of the OM6, it is important to place the microphone directly on axis and as close as possible to the sound source. Since the OM6 is able to handle very high sound pressure levels, it can be successfully utilized to mic a wide variety of instruments, both acoustic and electric.

**Live Sound:** Considered one of the best dynamic microphones ever produced, the OM6 provides a rich, full sound, without boominess. Because the OM6 does not exhibit the typical "mid-range" boost found in most popular vocal microphones, it may take some getting used to. It is highly accurate and tends to appeal to vocalists who want true and accurate sound reproduction. The OM6 has an extended low end response which is highly useful in smaller PA systems. However, when used on a full range club or concert system, most engineers will high pass frequencies below 100-120 Hz.

The OM6 is extremely stable around floor monitors and will work with the monitors either straight on or at an angle. This allows vocalists freedom on stage without the worry of feedback. Characterized with very high output and excellent gain before feedback, the OM6 can be helpful with singers who sing softly and need more presence in the mix.

In general, when using multiple OM6s for live sound, they should be spaced 2-3 feet apart.

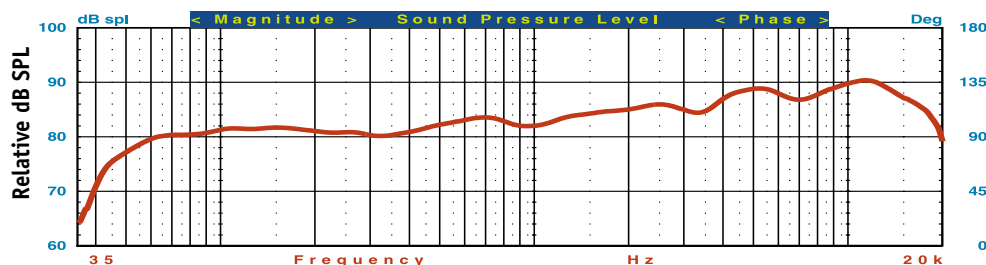
## Supplied Accessories

- ▶ Mic clip (MC1) adjustable through 180 degrees with standard 5/8 inch 27 thread.  
Note: Metal stand adapter also supplied to accommodate European standard threads.
- ▶ Zippered microphone carrying pouch.

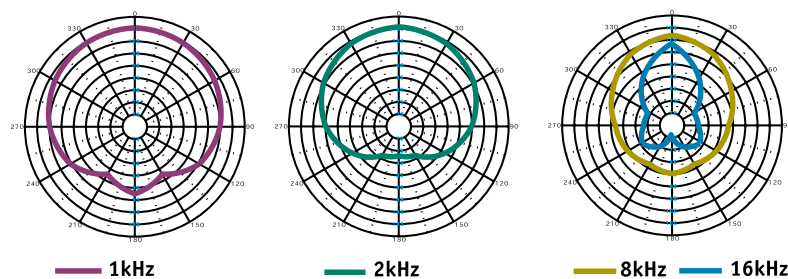
## Optional Accessories

- ▶ Foam windscreen to control moisture, wind, and breath noise. (Model WS357)

## Typical Frequency Response

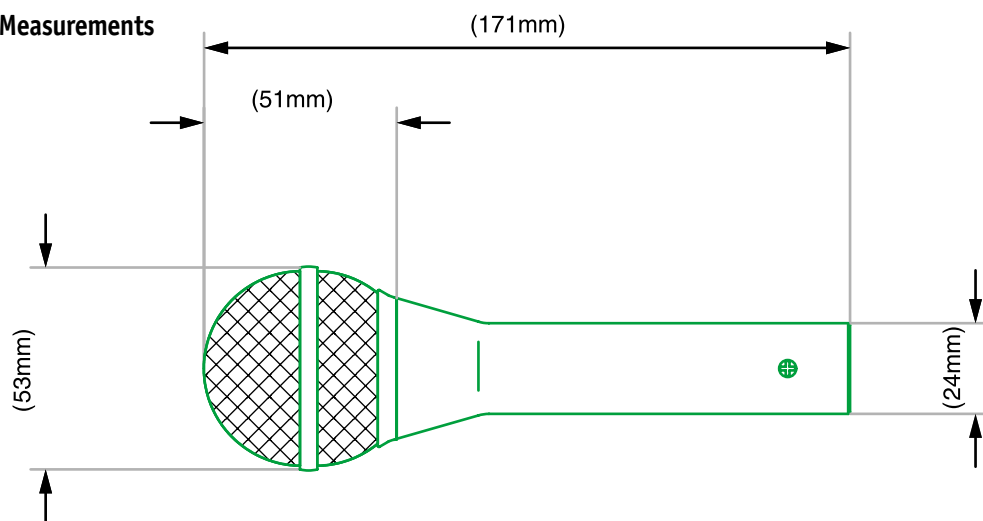


## Polar Charts



The frequency response curve shown above (measuring tolerance at  $\pm 3$ dB) and polar pattern correspond to typical production run specifications for this microphone.

## Measurements



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