



AUSTRIAN AUDIO



OD505
Active Dynamic Vocal Microphone

MAKING PASSION HEARD

Heritage & Legacy

Our core team comprises former AKG (Vienna) personnel

- Patents held in multiple disciplines
- The team developed some of the world's best-selling condenser and dynamic microphones and globally renowned headphones, that became industry standards.
- Extensive practical knowledge and ODM (Original Design Manufacturing) work in pro audio, consumer and automotive acoustics.

Over 350 years of experience

- Leaders in many engineering disciplines, including: acoustics, audio-electronic, automotive, DSP, firmware, mechanical, noise cancelling, software, test and measurement, telecom, and transducer.



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OD505 Active Dynamic Vocal Microphone

The Best Of Two Worlds

OD505 Active Dynamic Vocal Microphone is Austrian Audio's all-rounder microphone and features exquisite Viennese craftsmanship.

With its Active-Dynamic-Technology, the OD505 is designed primarily for the stage, though it is also a very capable microphone for studio application.

Uncompromisingly robust, it combines all the advantages of a dynamic microphone with the tonal finesse of a condenser microphone.

The OD505 is the perfect choice for singers, podcasters and radio broadcasters. Its amazingly natural sound makes it very easy to shape and highlight a vocalist's strengths.

Active Dynamic Circuitry

The OD505 features a state-of-the-art dual capsule design.

The active front capsule requires 48V phantom power and, at 4.4 mV / Pa, has almost the same sensitivity as a condenser microphone. With its active circuitry, the OD505's sound is always consistent, regardless of the internal resistance of the microphone preamplifier or length of connecting cables.

The passive lower capsule is polarity-rotated, it senses and eliminates unwanted handling noise. This state-of-the-art dual capsule design, together with the selectable 2nd order high-pass filter makes the OD505 practically immune to noise such as handling noises, bumps and stage knocks.

The OD505 also includes another Austrian Audio proprietary development: The 3D Pop Noise Diffuser. This filter is specially designed for the OD505 and effectively reduces the impact of plosives.



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Open Acoustics Technologie

Featuring Austrian Audio's proprietary Open Acoustics Technology, the ODC50-SC capsule of the OD505 is mounted as free-standing as possible.

By reducing the contact points of the capsule and the mounting, as well as eliminating unwanted reflections that can be caused by the housing, the Open Acoustics design results in a pristine, natural and resonance-free sound without any colouring.



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The Sound

The OD505 is the perfect choice for any artist, whether lead or backing vocalist. Its amazingly natural sound makes it very easy to shape and highlight a vocalist's strengths.

Ambient noise can be a major problem in many live situations. Therefore, the OD505 features a tight supercardioid pattern offering a superb off-axis rejection, ensuring maximum gain before feedback, focusing on the vocal signal in front of the microphone..

This makes the OD505 also an ideal microphone for rehearsal room or recording studio applications, especially for sessions with multiple instruments or full ensembles. Radio broadcasters and podcasters will also benefit from the advantages of increased speech intelligibility and minimised diffused sound.



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Key Features

- Active dynamic circuit increases the sensitivity to condenser microphone level, which ensures
 - always consistent sound, regardless of the impedance of the microphone preamp
 - cable invariant frequency response
- A rugged die-cast body and robust protection for the most challenging live environments
- A proprietary 3D Pop Noise Diffuser for outstanding pop noise suppression
- A switchable second-order high-pass filter
- Made in Austria
- Box Content:
 - 1x OD505 Active Dynamic Vocal Microphone
 - 1x OCH1 Mic Clip
 - 1x MSC1 Carry Case



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Technical Specifications

- Polar pattern: Supercardioid
- Frequency Range: 35 Hz - 16 kHz
- Sensitivity: 4.4 mV/Pa
- Max. SPL: 154 dB SPL
- Low cut filter: 120 Hz (2nd order)
- Impedance: 275 Ω (symmetrical)
- Load impedance: > 1 k Ω
- Supply voltage: 48 V (< 1 mA)
- Main Connector: XLR 3 pin
- Dimensions: 194 x 53 x 53 mm
- Weight: 340 g





A tough stage mic with the
soul of a studio microphone.

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