



H A Harman International Company

C 426 B

Stereo Condenser Microphone

Description

The AKG Model C 426 B is one of very few stereo microphones on the market today. It is the linear descendent of AKG's original C 24 stereo microphone and the more recent C 422 models. New technology has improved the microphone's performance in areas of dynamic range, sensitivity, interchannel crosstalk, and self noise level. The C 426 B contains two 25 mm gold sputtered dual capsule sets, one mounted over the other as a coincident pair. The entire microphone head assembly can be rotated 45° relative to the shaft, allowing a quick changeover from M-S to X-Y modes of stereo recording. Additionally, the upper capsule assembly can be rotated 270° relative to the lower one, providing utmost flexibility in stereo pickup angle. The polar patterns for both microphone sections are separately controlled at the S 426 remote powering unit, which allows the user to select one of nine polar patterns independently for each stereo section of the microphone. The change in polar pattern is made noiselessly and may be made during recording if necessary. The body of the microphone contains switchable pre-preamp padding and a bass cut of 12 dB octave below 75 Hz. Two small narrow angle LEDs are aligned with the primary axis of each stereo section and enable the operating engineer to verify the precise orientation of each stereo section of the microphone from the performance location. The microphone is attached to the S 426 control unit via a multi-pin 20 meter (66 ft.) cable. The signal outputs on the S 426 are XLR-M, and the unit operates on phantom power over the nominal operational ranges of 12 to 48 volts.

Specifications

Transducer Principle:	condenser, externally polarized
Frequency Range:	30–20,000 Hz
Polar Pattern:	Omnidirectional, cardioid, figure-eight and six intermediate positions
Sensitivity at 1,000 Hz:	11 mV/Pa $\hat{=}$ -38 dBV
Equivalent Noise Level:	14 dB-A
Sound Pressure Level for 0.5 % THD:	132 dB, wide-band
S/N Ratio (A-weighted):	80 dB
Electr. Impedance:	< 200 ohms
Load Impedance:	> 1,000 ohms
Power Requirement:	12–48 volts nominal Phantom powering
Connector on S 426:	two 3-pin XLR type
Finish:	non reflective black
Size:	dia 42/33 mm (1.65/1.3 in.) length 235 mm (9.25 in.)
Net/Shipping Weight:	0.47 kg (1.04 lbs.)/5.1 kg (11.2 lbs.)
Included Accessories:	H 15/33 Suspension mount/stand adapter, W 426 Foam windscreen, MK 42/20 20 meter (66 ft.) cable, S 426 Remote control unit, Carrying case
Optional Accessories:	B 18 Battery power supply (for one channel only), N 62 E, N 66 E AC Power supplies

Features

- One of the world's most celebrated stereo condenser microphones
- Large 25 millimeter gold sputtered diaphragm format optimized for studio applications
- Two sets of dual diaphragms for multiple polar patterns arrayed at various angles
- High acoustic level capability (132 dB-SPL for 0.5 % THD)
- Low self noise (14 dB-A)



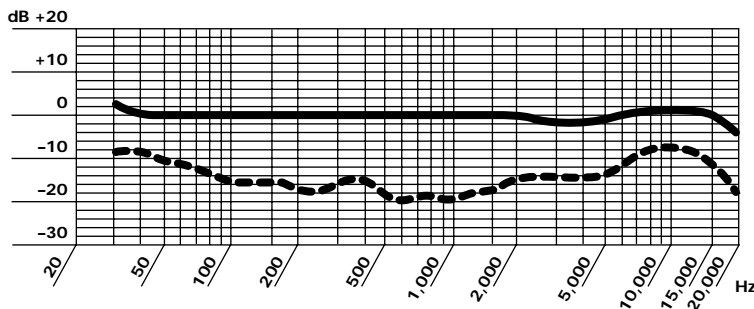
Architect's and Engineer's Specifications

The stereo microphone shall provide dual capsules, each capable of at least nine operating patterns (omnidirectional, cardioid, figure-eight, and six intermediate positions) and mutually adjustable over a total operating angle of 270 degrees. Remote switching between adjacent patterns shall be silent, thus enabling pattern changes during recording operations. The microphone shall provide for switchable 10 dB pre-preamp attenuation and switchable bass cut of 12 dB/octave below 75 Hz. Each stereo section

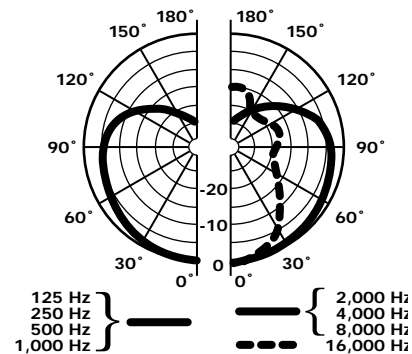
of the microphone shall provide a means for precise on-axis alignment at a distance (e. g., by means of a narrow angle LED). The self noise level of each microphone section shall be no greater than 14 dB (A-weighted), and the sound pressure level at which the microphone's total harmonic distortion reaches 0.5 % shall be no lower than 132 dB. The microphone shall operate on phantom power, supplied to the remote control unit, over the nominal range from 12 to 48 volts. The microphone shall be the AKG model C 426 B.

Graphical Data

On-axis Frequency Response (measured at 1 meter)



Cardioid Polar Response



AKG is constantly improving and modifying its products, therefore, specifications are subject to change without notice.

Limited Warranty

Valid only in the United States. AKG Acoustics warrants AKG products against defects in material or workmanship for a period of one year from the date of original purchase for use, and agrees to repair or, at our option, replace any defective unit without charge for either parts or labor. Important: This warranty does not cover damage resulting from accident, misuse or abuse, lack of reasonable care, the affixing of any attachment not provided with the product, loss of parts or connecting the product to any but the specified receptacles. This warranty is void unless service or repairs are performed by an authorized service center.

No responsibility is assumed for any special, incidental or consequential damages. However, the limitation of any right or remedy shall not be effective where such is prohibited or restricted by law. Simply take or ship you AKG product prepaid to our service department. Be sure to include your sales slip as proof of purchase date. (We will not repair transit damage under the no-charge terms of this warranty.) Note: No other warranty, written or oral is authorized by AKG Acoustics, Inc. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitation on how long an implied warranty lasts, so the above exclusions and limitation may not apply to you.

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H A Harman International Company

AKG Acoustics GmbH
Lemböckgasse 21-25, P.O.B. 158, A-1230 Vienna/AUSTRIA
Tel: (43 1) 86 654-0*, Fax: (43 1) 86 654-516
Internet: <http://www.ake-acoustics.com>

AKG Acoustics; A Division of Harman Pro Germany
Bodenseestraße 228, D-81243 München/GERMANY
Tel: (089) 87 16-0, Fax: (089) 87 16-200

Arbiter Pro Audio
Wilberforce Road, London NW9 6AX/ENGLAND
Tel: (0181) 202 1199, Fax: (0181) 202 7076

AKG ACOUSTICS, U.S.
1449 Donelson Pike, Airpark Business Centre 12,
Nashville, TN 37217, U.S.A.
Tel: (615) 360-0499, Fax: (615) 360-0275

Studer Japan Ltd.
2-43-7, Uehara, Shibuya-ku, Tokyo 151-0064/JAPAN
Tel: (813) 3465-2211, Fax: (813) 3465-2214

Erikson Pro Audio
620 McCaffrey, St-Laurent, Quebec, H4T 1N1, CANADA
Tel: (514) 738-3000, Fax: (514) 737-5069
Internet: www.jam-ind.com/eriksonpro