



H A Harman International Company

# C 426 B

## Stereo Condenser Microphone

### Description

The AKG Model C 426 B is the direct descendent of AKG's original C 24 and the more recent C 422 stereo microphone models. New technology has improved the dynamic range, self noise, sensitivity, linearity, frequency response between channels and crosstalk. The C 426 B contains two 25 mm gold sputtered dual capsule sets arranged in 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. The change in polar pattern is made noiselessly and may be made during recording. The body of the microphone contains a switchable -10 dB pre-attenuation pad and a bass cut of 12 dB per octave below 75 Hz. Two narrow angle LEDs are aligned with the primary axis of both capsule sections and enable the operating engineer to verify the precise orientation of each capsule. The microphone is attached to the S 426 control unit via a multi-pin, 66 ft. (20 meter) cable. The signal outputs on the S 426 are XLR-M, and the unit operates on phantom power over the nominal range of 9 to 52 volts.

### Specifications

<b>Transducer Principle:</b>	Condenser, externally polarized
<b>Frequency Range:</b>	20–20,000 Hz
<b>Polar Pattern:</b>	Cardioid, omnidirectional, figure-eight and six intermediate positions
<b>Sensitivity at 1,000 Hz:</b>	11 mV/Pa $\hat{=}$ -39 dBV
<b>Equivalent Noise Level:</b>	14 dB-A
<b>Sound Pressure Level for 0.5% THD:</b>	132 dB (142 dB at -10 dB)
<b>S/N Ratio (A-weighted):</b>	80 dB
<b>Electr. Impedance:</b>	< 200 ohms
<b>Load Impedance:</b>	> 1,000 ohms
<b>Power Requirement:</b>	9-52 volts nominal Phantom powering
<b>Connector on S 426:</b>	Two 3-pin XLR type
<b>Bass roll-off:</b>	12 dB/octave below 75 Hz
<b>Pad:</b>	-10 dB
<b>Finish:</b>	Non-reflective black
<b>Size:</b>	Dia 1.65/1.3 in. (42/33 mm) Length 9.25 in. (235 mm)
<b>Net/Shipping Weight:</b>	1.04 lbs. (0.47 kg)/11.2 lbs. (5.1 kg)
<b>Included Accessories:</b>	H 15/33 Suspension mount/stand adapter, W 426 Foam windscreen, MK 42/20 66 ft. (20 meter) cable, S 426 Remote control unit, Carrying case
<b>Optional Accessories:</b>	B 18 Battery power supply (for one channel only)



### 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)

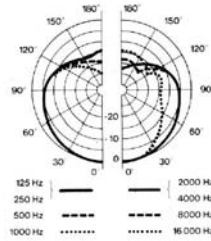
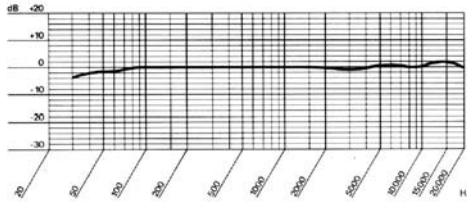
# Architects and Engineers Specifications

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 9 to 52 volts. The microphone shall be the AKG Acoustics Model C 426 B.

## Graphical Data

Cardioid



Omnidirectional

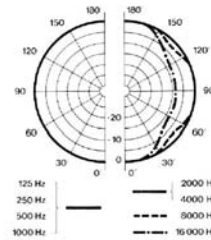
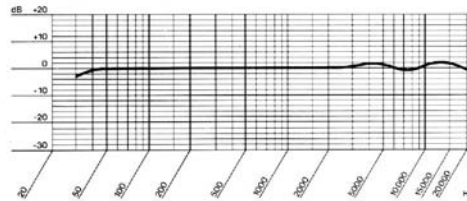
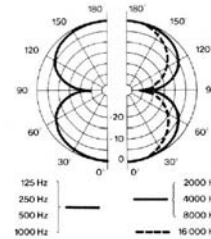
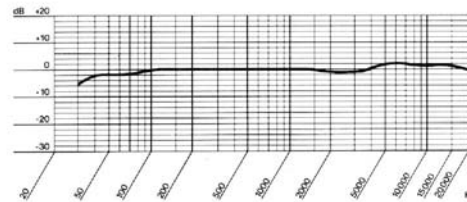


Figure-eight



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 two years 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 your 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.

Microphones · Headphones · Wireless Microphones · Wireless Headphones · Headsets · Electroacoustical Components



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.akg.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.**  
914 Airpark Center Drive  
Nashville, TN 37217, U.S.A.  
Tel: (615) 620-3800, Fax: (615) 620-3875

**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](http://www.jam-ind.com/eriksonpro)