



H A Harman International Company

CK 47

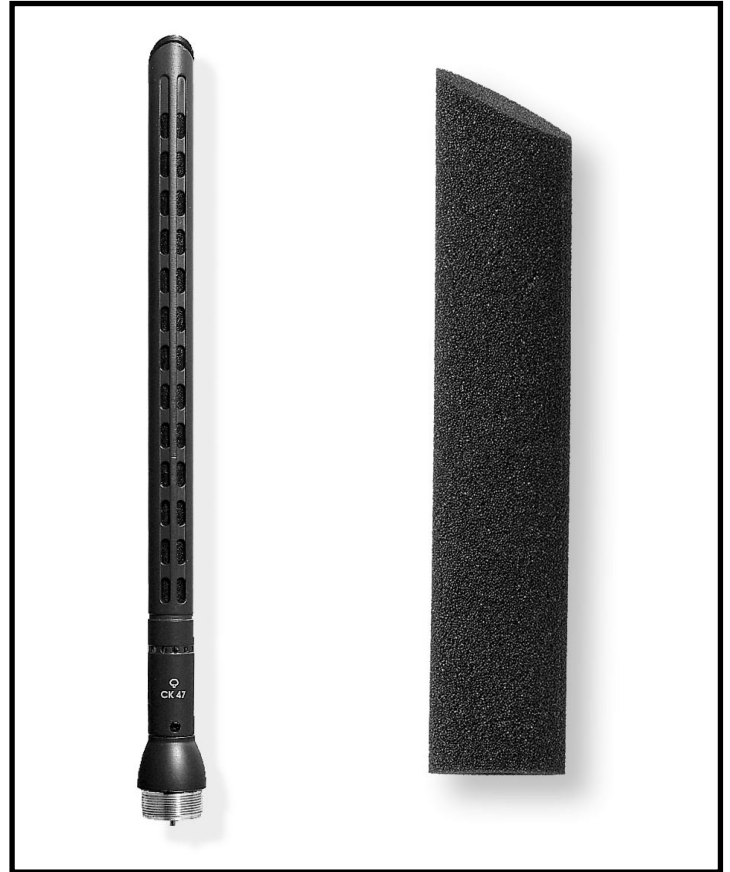
Capsule Module

Description

The CK 47 is a hypercardioid modular screw-on capsule with smooth response from 50 Hz to 20 kHz. All “Discreet Acoustics Modular Series” capsules feature pre-polarized condenser elements with gold plated contacts to ensure reliable connections and trouble-free performance. The CK 47 capsule can be used with any of the “Discreet Acoustics Modular Series” installation modules. Each capsule is supplied with a W70 windscreen that reduces the impinging air stream before reaching the diaphragm. This reduction of air velocity reduces wind noise while maintaining acoustic transparency.

Specifications

Transducer Principle:	Condenser prepolarized
Frequency Range:	20–20,000 Hz
Polar Pattern:	Hypercardioid
Sensitivity at 1,000 Hz:	16.5 mV/Pa $\hat{=}$ -35.5 dBV
Equivalent Noise Level:	< 20 dB-A
Sound Pressure Level for 1% THD:	133 dB
S/N Ratio (A-weighted):	> 74 dB
Electr. Impedance:	< 600 ohms
Power Requirement:	9 to 52 volts phantom power, requires DPA adapter (incl. in GN or HM modules)
Finish:	Dark gray matte
Size:	diameter: 0.5 in. (13.5 mm) length: 5.7 in. (146 mm)
Fitting Mounting Modules:	GN 15, GN 15 E, GN 15 ES GN 30, GN 30 E, GN 30 ES GN 50, GN 50 E, GN 50 ES GN 155 SET, HM 1000, LM 3, LM 3 L
Included Accessories:	W 370 Foam windscreen



Features

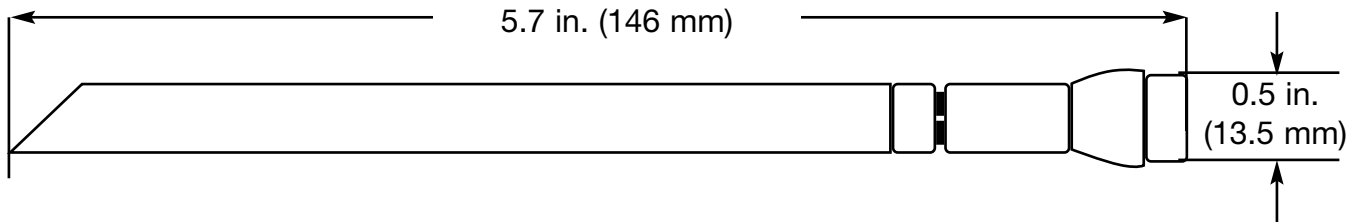
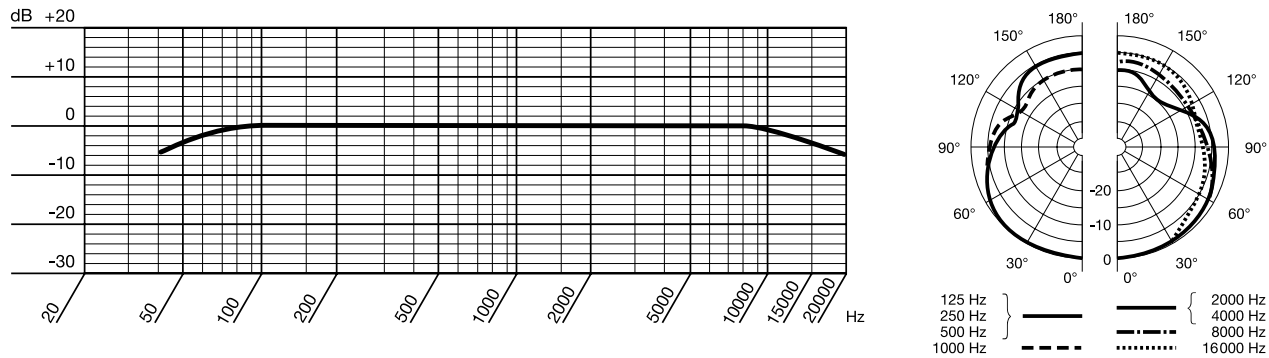
- Hypercardioid pickup pattern
- Wide frequency range
- Screw on capsule
- Gold plated contacts
- Excellent working distance
- Studio quality - shotgun type

Architects and Engineers Specifications

The microphone shall be a screw-on hypercardioid capsule that mates with the AKG Discreet Acoustics Modular Series and shall have an interference tube section for enhanced directivity at high frequencies. The microphone shall accept phantom powering over the universal range from 9 to 52 volts dc. The response of the microphone shall be flat on-axis from 50 Hz to 20 kHz (± 3 dB). The microphone shall have a sensitivity no less

than 16.5 mV/Pa (35.5 dBV), and the total harmonic distortion (THD) at an operating acoustical level of 133 dB shall be no greater than 1%. The electrical impedance of the microphone shall be no greater than 600 ohms. Electrical mating contacts for mounting the microphone shall be gold plated for positive, trouble free operation over long periods. The microphone shall be the AKG Acoustics Model CK 47.

Graphical Data



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.

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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



GN 15, GN 30, GN 50

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Gooseneck Modules

Description

The nine gooseneck models in the Discreet Acoustics Modular series provide length and mounting options for permanent and semi-permanent installations. The flexible goosenecks allow for silent positioning of the microphones while the thin profile and matte gray finish make them inconspicuous in use. All models require phantom power. An LED driven by phantom power enables the operating engineer to check system status at a distance. A bass roll-off beginning at 250 Hz is provided for control of proximity effect and low frequency structural vibrations. Control of the light ring and bass roll-off is handled by internal jumpers.

The gooseneck modules are available in three sizes: 6 in. (15 cm), 12 in. (30 cm) and 19 in. (50 cm). These sizes are available in three distinct product groups:

1. Basic series (GN 15, GN 30, GN 50): These products are designed to be mounted permanently on a surface and require a 0.437 inch (11 mm) mounting hole. A slotted bolt and rubber bushings are included with each unit. The rubber bushings

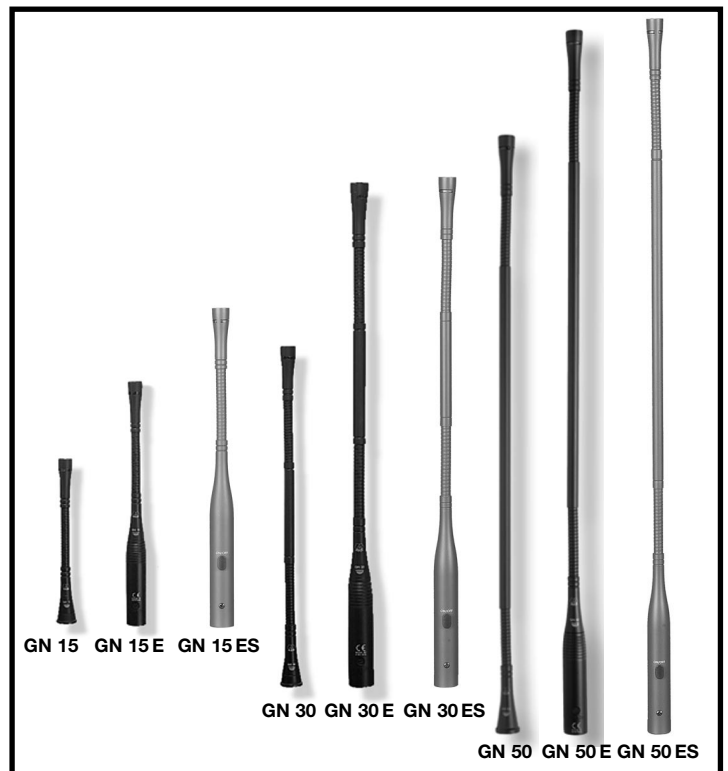
minimize structure-borne vibrations and the slotted bolt allows the cable and mini-XLR connector to pass through the mounting hole. Phantom power conditioning is provided by the Discreet Power Adapter (DPA) which attaches to the cable and is terminated in a standard 3-pin XLR male connector.

2. E-series: These products plug directly into the included PS3 F-Lock, surface mount XLR female receptacle or the optional H500 or H600 shock mounts. As such, the E-series modules can be easily removed when not in use. Locking features on the PS3 F-Lock and H600 provide added security when modules must be left in place.

3. ES-series: The ES series is like the E-series but with the added flexibility of a noiseless on/off switch integrated into the base of the gooseneck. This switch attenuates the microphone by a minimum of 25 dB and defaults to the "off" position when the power source is turned off.

Specifications

	Basic series:	E-series:	ES-series:
Powering:	9 - 52 Vdc (all models) requires DPA adapter (included)		
Connector:	3-pin XLR (all models)		
Cable length:	80 inches (200 cm)	none	none
Finish:	dark gray matte (all models)		
Size:	GN 15: 6.3 in. (160 mm) GN 15 E: 9.1 in. (235 mm) GN 15 ES: 10.2 in. (258 mm) GN 30: 12 in. (305 mm) GN 30 E: 14.96 in. (380 mm) GN 30 ES: 15.87 in. (403 mm) GN 50: 19.7 in. (500 mm) GN 50 E: 22.5 in. (572 mm) GN 50 ES: 23.5 in. (598 mm)		
Mounting:	screw-on (hardware included)	variable	variable
Capsule modules:	CK 31, CK 32, CK 33, CK 47, CK 80 (all models)		
Integral on/off switch:	none	none	included
Bass cut:	included (all models)		
LED Power indicator:	included (all models)		
Included accessories:	slotted bolt for permanent installation, DPA	PS 3 F-lock lockable panel mount XLR socket	PS 3 F-lock lockable panel mount XLR socket
Optional accessories:	B 18 battery supply (all models) H 500 shock mount H 600 + A 608 shock mount (all models) SA 40, SA 50 stand adapters, (all models) SA 80 clamp, (all models) ST 5/3, ST 45, ST 46 table stands		



Features

- Accomodation of 5 different capsule models
- Integrated switchable LED indicator
- Integrated bass roll-off
- Rugged design
- Non-reflective gray color

Architects and Engineers Specifications

For Basic Series:

The gooseneck mounting module shall have a length of 6 (15 cm), 12 (30 cm) or 20 inches (50 cm), as required. A light ring at the top of the gooseneck section, powered by phantom or other external power source, shall be integral to the design. The assembly shall be completely mountable using an 0.43 in. (11 mm) hole drilled in the mounting surface. A phantom power adapter that feeds powering through the 11 mm hole shall be included, and the power module shall include jumpers for control of the low frequency roll-off and LED light indicating ring. The mounting module shall include a .375 in. threaded flange to mate with the threads of a standard microphone desk or floor stand, and a .375 in. slotted bolt with rubber bushings shall be provided for permanent installations. The gooseneck module shall be the AKG Acoustics Models GN 15, GN 30 or GN 50, as required.

For E-Series:

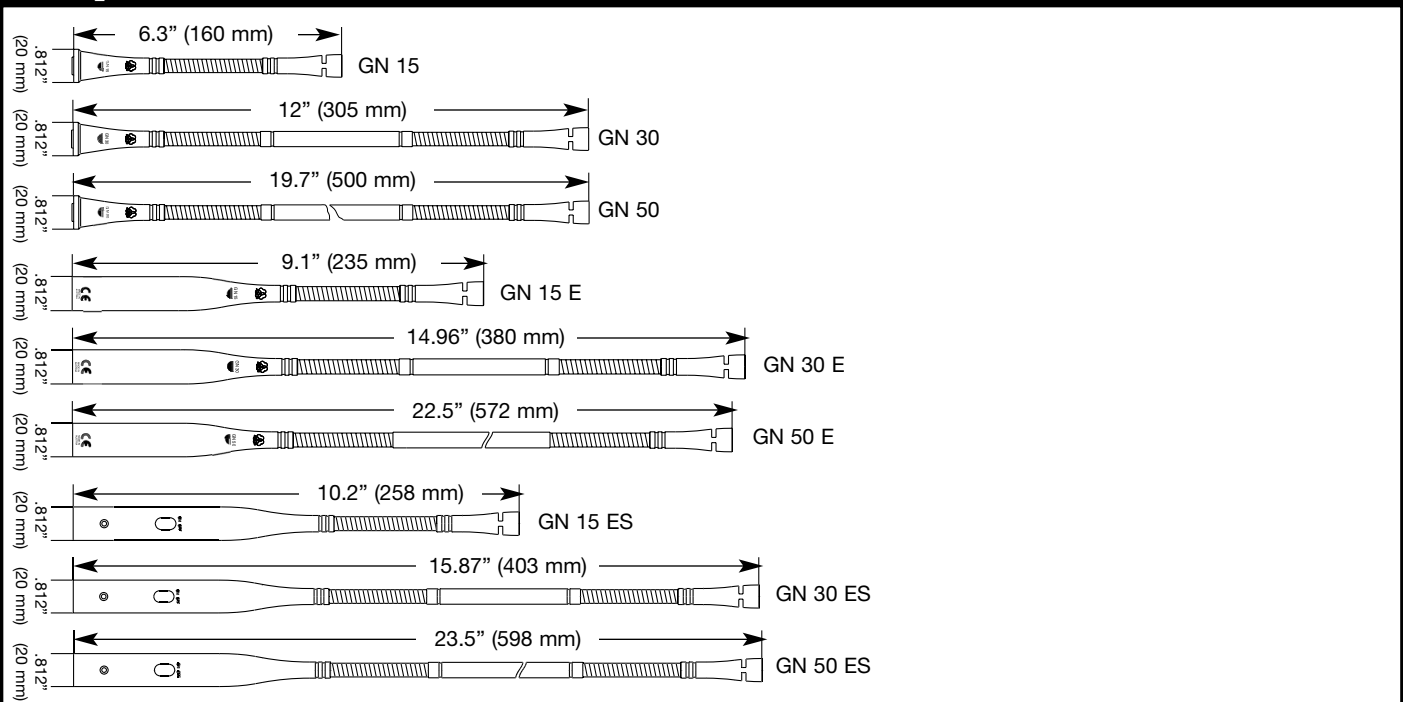
The gooseneck mounting module shall have a length of 6 in. (15 cm), 12 in. (30 cm) or 20 in. (50 cm) as required. A light ring at the top of the gooseneck section, powered by phantom or other

external power source, shall be integral to the design. The assembly shall include an integral XLR phantom powering adapter at its base, and the power adapter shall include jumpers for control of the low frequency roll-off and LED light indicating ring. The gooseneck module shall accommodate microphone capsules in the AKG Discreet Acoustics series. The gooseneck module shall be the AKG Acoustics Models GN 15 E, GN 30 E or GN 50 E, as required.

For ES-series:

The gooseneck mounting module shall have a length of 6 in. (15 cm), 12 in. (30 cm) or 20 in. (50 cm) as required. A light ring at the top of the gooseneck section, powered by phantom or other external power source, shall be integral to the design. A silent attenuation switch shall be integral to the design. The assembly shall include an integral XLR phantom powering adapter at its base, and the power adapter shall include jumpers for control of the low frequency roll-off and LED light indicating ring. The gooseneck module shall accommodate microphone capsules in the AKG Discreet Acoustics series. The gooseneck module shall be the AKG Acoustics Models GN 15 ES, GN 30 ES or GN 50 ES, as required.

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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.

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 <p>H A Harman International Company</p>	<p>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</p>	<p>AKG ACOUSTICS, U.S. 914 Airpark Center Drive Nashville, TN 37217, U.S.A. Tel: (615) 620-3800, Fax: (615) 620-3875</p>	
	<p>AKG Acoustics; A Division of Harman Pro Germany Bodenseestraße 228, D-81243 München/GERMANY Tel: (089) 87 16-0, Fax: (089) 87 16-200</p>	<p>Studer Japan Ltd. 2-43-7, Uehara, Shibuya-ku, Tokyo 151-0064/JAPAN Tel: (813) 3465-2211, Fax: (813) 3465-2214</p>	<p>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</p>
	<p>Arbiter Pro Audio Wilberforce Road, London NW9 6AX/ENGLAND Tel: (0181) 202 1199, Fax: (0181) 202 7076</p>		

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