



# 2001 full line catalog

microphones | wireless systems | headphones | sound systems | headsets | mic accessories



A Harman International Company



## KEY TO PRODUCT NAME PREFIXES AND SUFFIXES

The following alphabetical list is to give you an overview of what the prefixes and suffixes in our product names stand for:

### (P) MICROPHONE, HEADPHONE, AND SYSTEM PREFIXES:

- \*C\* .....Microphone with condenser transducer, e.g., C 12, C 414 B-ULS, etc.
- \*CK\* .....Microphone capsule with condenser transducer, e.g., CK 61, CK 91, etc.
- \*D\* .....Microphone with dynamic transducer, e.g., D 112, D 770, etc.
- \*HSC\* .....Headset with condenser microphone, e.g., HSC 200
- \*HSD\* .....Headset with dynamic microphone, e.g., HSD 200
- \*HT\* .....Handheld transmitter for wireless systems, e.g., HT 300 etc.
- \*K\* .....Any type of headphones, e.g., K 141 M, K 240 M, etc.
- \*PT\* .....Bodypack transmitter for wireless systems, e.g., PT 300 etc.
- \*SE\* .....Condenser microphone supply unit, e.g., SE 300
- \*SR\* .....Stationary receiver for wireless systems, e.g., SR 300 etc.
- \*WMS\* .....Wireless microphone system, e.g., WMS 300 etc.

### (P) ACCESSORY PREFIXES:

- \*A\* .....Any type of adapter, e.g., A 48 V, A 61, A 91, etc.
- \*B\* .....Battery power supply, e.g., B 18, B 29, etc.
- \*GN\* .....Gooseneck for Discreet Acoustics microphones, e.g., GN 15 E, GN 30 E, etc.
- \*H\* .....Any type of support, e.g., H 10, H 38, H 40/1, etc.
- \*KA\* .....Camera adapter, e.g., KA 38
- \*MK\* .....Cable, e.g., MK 90/3, MK-Solid, etc.
- \*MPA\* .....Microphone phantom power adapter, e.g., MPA II
- \*MSH\* .....Microphone gooseneck, e.g., MSH 70, MSH 80, etc.
- \*N\* .....AC power supply e.g., N 12 VR, N 62, etc.
- \*PF\* .....Pop filter, e.g., PF 100
- \*SA\* .....Stand adapter, e.g., SA 40, SA 41, etc.
- \*ST\* .....Any type of stand, e.g., ST 45, etc.
- \*VR\* .....Extension tube, e.g., VR 61, VR 91, etc.
- \*W\* .....Any type of windscreens, e.g., W 23, W 90, W 414, etc.

### (S) MICROPHONE, HEADPHONE, AND SYSTEM SUFFIXES:

- \*B\* .....Microphones with bass rolloff or bass cut filter, e.g., C 391 B, C, 480 B, etc.
- \*/B\* .....Microphone with a mini jack plug for connection to battery operated equipment, e.g., C 416/B, C 417/B, etc.
- \*BL\* .....Boundary layer microphone, e.g., C 400 BL, C 547 BL, etc.
- \*C\* .....Miniature microphone with cardioid polar pattern, e.g., CK 97-C
- \*CM\* .....Microphone designed for installation in the ceiling, e.g., C 562 CM
- \*comb\* .....Microphone shipped complete with preamplifier, capsule, and the most useful accessories, such as the C 747 comb
- \*CVR\* .....Miniature microphone with cardioid polar pattern and integrated extension tube, e.g., CK 97-CVR
- \*DF\* .....Headphones with diffuse-field equalization, e.g., K 240 DF

- \*E\* .....Identifies old models with XLR connector as opposed to versions with (German) DIN connector, e.g. C 535 EB, C 568 EB
- \*M\* .....Headphones for monitoring use, e.g., K 141 M, K 240 M, etc.
- \*O\* .....Miniature microphone with omnidirectional polar pattern, e.g., CK 97-O
- \*S\* .....Microphone with ON/OFF switch, e.g., D 880 S, C 1000 S
- \*TL\* .....Microphone with no output transformer, e.g., C 414 B-TLII
- \*ULS\* .....Ultra Linear System microphone technology that ensures exceptional linearity for all transfer characteristics of the preamplifier, e.g., C 414 B-ULS, C 480 B-ULS, etc.
- \*VR\* .....Stands for "Vintage Revival" in "C 12 VR".
- \*/W\* .....White version of a microphone that is available in several colors

### Please Note:

If you need further information on architects' and engineers' specifications for certain products, Please get it from our website "<http://www.akgusa.com>".



Designing microphones and headphones is both a science and an art. This is a concept well understood at AKG. Over the past 50 years, we have consistently married the two to create some of the truest and most natural-sounding microphones and headphones in history.

AKG was founded in 1947 in the city of Vienna, Austria, home to some of the finest composers of all time—Beethoven, Mozart, Brahms, Haydn, Schubert, Mahler, Schoenberg and, of course, the Strauss family, to name a few. When it comes to crafting products such as ours, the critical judgments of a finely trained ear—something Vienna has no shortage of—can make the crucial difference between a good microphone and a legendary one.

Our research and development laboratories are the largest, best-equipped and most productive of their kind in the world. Since AKG's beginnings, we have been granted over 1,400 patents—more than all of our competitors combined. Over 300 of these patents directly involve leading edge developments in the field of transducer technology. We employ more than 50 engineers in full-time research and development, and provide them with the most advanced tools available for computerized design, testing and performance simulation.

Throughout the years, AKG has become widely recognized as an innovative manufacturer of "firsts". In 1953, we created the first remote controlled multi-pattern capacitor microphone, the legendary C 12. Shortly thereafter, AKG pioneered the first single-diaphragm dynamic cardioid mic (D 12), remote controlled multi-pattern dynamic mic (D 36) and professional small-sized capacitor microphone (C 60). In the years to follow, AKG went on to debut numerous other industry firsts, including two-way cardioid mics

(D 202, D 224), a wide-band ultrasonic transducer (CK 40), a modular capacitor mic (CMS System including C 451, CK 1 and others), a portable professional reverberator (BX 20), dynamic/electrostatic headphones (K 340), a modular digital time delay unit (TDU 7000), compact dynamic/electrostatic headphones (K 4) and a condenser stage mic with convertible polar pattern and alternative phantom or 9 V battery powering (C 1000).

Today, AKG continues to serve diverse markets, from music and recording to permanent install and broadcast, while heavily investing in new technologies. Evidence of these technologies can be found in recent products like the In-Ear Monitor System IVM 1, and our new Emotion Series microphone line, which pushes the performance of inexpensive musician mics to an unprecedented level. Other late-breaking products, like our economical WMS 40 UHF wireless system and the PR 81 portable UHF receiver harnessed technological advancements to set new standards in their respective markets.

Then, of course, there are the standbys that everyone recognizes, such as the AKG C 414—perhaps the world's most popular studio microphone—and the C 12 VR, which combines the classic '50s sound of the C 12 with the cutting-edge technology of the '90s.

We here at AKG like to say that "it all comes back to the sound". And given the sound that AKG has come to be known for, we're confident that critical and discerning listeners around the world will continue to come back for it over the next 50 years.

## STUDIO/BROADCAST/STAGE

<b>STAGE &amp; STUDIO MICROPHONES</b>	
C 5900 Tri-Power	2
C 535 EB	2
C 1000 S	2
<b>1/2" &amp; 1" LARGE DIAPHRAGM MICROPHONES</b>	
C 2000 B	3
C 3000 B	3
C 4000 B	3
C 4500 BBC	4
C 414 B-ULS	4
C 414 B-TL II	4
SolidTube	4
<b>AKG BLUE LINE MODULAR MICROPHONES</b>	
SE 300 B Power/Output Module	5
C 391 B	5
CK 91	5
CK 92	5
CK 93	5
CK 94	5
<b>ULTRA LINEAR SERIES MODULAR MICROPHONES</b>	
C 480 B	5
CK 61-ULS	5
CK 62-ULS	5
CK 63-ULS	5
<b>PERFORMER SERIES DYNAMIC HANDHELD MICROPHONES</b>	
D 40 S, D 50 S, D 60 S	6
<b>EMOTION SERIES DYNAMIC HANDHELD MICROPHONES</b>	
D 660 S Emotion Series	6
D 770 Emotion Series	6
D 880/D 880 S Emotion Series	6
<b>TRI-POWER SERIES DYNAMIC HANDHELD MICROPHONES</b>	
D 3700/D 3700 S Tri-Power	7
D 3800/Tri-Power	7
<b>DRUM &amp; INSTRUMENT MICROPHONES</b>	
D 112	8
D 440 Emotion Series	8

D 550 Emotion Series	8
C 418	9
C 419	9
C 416	9
C 411	9
<b>LAVALIER &amp; HEADSET MICROPHONES</b>	
C 417	10
CK 77 WR/ C 577 WR	10
CK 97-0	10
CK 97-C	10
LM 3/LM3 L	10
C 444 L	11
C 420	11
<b>SHOTGUN MICROPHONES</b>	
C 568 EB	12
CK 98	12
CK 69-ULS	12
<b>GOOSENECK &amp; PODIUM APPLICATIONS</b>	
D 541/D 541 E	13
CK 97-CVR	13
Installation Modules	13
<b>DISCREET ACOUSTIC MODULAR SERIES</b>	
CK 31	14
CK 32	14
CK 33	14
CK 47	14
CK 80	14
Standard Accessories: Windscreens	14
C 747	15
HM 1000	15
<b>SURFACE APPLICATIONS-BOUNDARY</b>	
C 400 BL	16
C 680 BL	16
C 547 BL	16
C 562 BL	16
C 562 CM	16

## SPECIAL APPLICATIONS

D 58/D 58 E	17
D 230	17
HSC 200 SR	17
HSC 200 SR/OC	17
<b>PREMIUM PRODUCTS</b>	
C 12 VR	18
C 426 B	18
<b>WIRELESS SYSTEMS</b>	
<b>WMS 40 SYSTEM</b>	
SR 40 Receiver	19
HT 40 Handheld Transmitter	19
PT 40 Bodypack Transmitter	19
<b>WMS 60/80 SYSTEM</b>	
SR 60/80 Receiver	20
HT 60/80 Handheld Transmitter	20
PT 60/80 Bodypack Transmitter	20
<b>WMS 61/81 SYSTEM</b>	
SR 61/81 Receiver	21
HT 61/81 Handheld Transmitter	21
PT 61/81 Bodypack Transmitter	21
PR 81 Bodypack Receiver	22
<b>WMS 300 SYSTEM</b>	
SR 300 Receiver	23
HT 300 Handheld Transmitter	23
PT 300 Bodypack Transmitter	23
<b>IN-EAR MONITOR SYSTEM</b>	
IVM 1	26
<b>SOUND SYSTEMS</b>	
<b>AKG MAX LINE</b>	
WLS 6060/8060 MAX HT-Set	24
WLS 6060/8060 MAX PT-Set	25
WLS 6060/8060 SR	25
LS 60 B	25

## CONFERENCE PRODUCTS

CS 1 Conference System	27
CS BU 1	27
CS EU 1	27
CS DU	27
CS DU	27
<b>MICROPHONE APPLICATION GUIDE 28/29</b>	
<b>HEADPHONES</b>	
K 501	30
K 401	30
K 301	30
K 270 Studio	30
K 240 DF Studio Monitor	30
K 240 Monitor	30
K 141 Monitor	31
K 100	31
K 70	31
K 66	31
K 55	31
K 44	31
<b>K&amp;M STANDS &amp; BOOMS</b>	
KM260/1	32
KM265	32
KM201A/2	32
KM251	32
KM211/6	32
KM211	32
KM211/1	32
KM211/2	32
KM277	32
KM210/6	32
KM210/91	32
KM210/21	32
KM259	32
<b>ACCESSORIES 33-36</b>	
<b>SPECIFICATIONS 37-53</b>	



### C 5900 TPS TRI-POWER VOCAL

The C 5900 combines the detailed transparency of a premium AKG studio condenser with the road tough construction, low handling noise, and feedback rejection required of a true stage performance microphone.

At the heart of the C 5900 is AKG's new condenser capsule with an ultra-thin, gold-sputtered, double-stretched diaphragm which precisely captures every subtle nuance of a vocal performance. Transient response is superb, yet vocal quality remains full and warm with no trace of harshness. Vocal contoured response projects to the front of the mix, and a 3-way switch allows performers to customize proximity effect by choosing flat response or one of two bass roll-off curves. A tightly controlled hypercardioid pattern and uniform polar response ensure maximum gain-before-feedback, with consistently predictable performance when used close-in on monitors. A four-layer filter assembly effectively suppresses P-pops and wind noise, while the integrated and hardened protective basket of AKG's DuraShell system safeguards all internal components. AKG's InterSpider three-point internal elastomer suspension isolates the capsule from handling noise so energetic performers can work the stage without worry. With the C 5900, AKG offers true studio condenser response in a compact and roadworthy package. SA 41/1 stand adapter included.



### C 535 EB

The C 535 EB has the clean, open characteristic of AKG's best studio condensers, enhanced by a 2dB rise between 7 and 12kHz to project vocals in front of the mix. An integral four-position switch tailors output level and bass roll-off for a variety of uses. A sharp LF cut at the full output level reduces pops and handling noise in vocal applications, while a more gradual roll-off at the reduced output is ideal for most instrument applications. The C 535 EB requires 9–52 V phantom power. SA 41/1 stand adapter included.



### C 1000 S

Famous for its flexibility, the affordable C 1000 S condenser microphone is ready for any assignment on stage or in the studio.

Sometimes you have phantom power, sometimes you don't. Sometimes you need a cardioid pattern, other times greater directivity can help you minimize leakage or control feedback. Of course, you always need high sensitivity, high SPL handling with low distortion, and extended frequency response. That's why thousands of sound professionals rely on the C 1000 S as their "do-it-all" microphone. Included PPC 1000 polar pattern converter allows quick changeover from cardioid to hypercardioid when a more directional pickup pattern is required, and powering is by internal 9 V battery or external phantom supply. Silent on/off switch is recessed to prevent inadvertent shutoff. The also included and attachable Presence Boost Adapter piece PB 1000 creates an emphasis of the higher frequencies around 5 to 9 kHz by about 3 to 5 dB, which not only improves the transmission of sibilances but may be also advantageous when recording instruments with a larger high frequency content in their audio spectrum. Rugged construction qualifies the C 1000 S for demanding road work, yet pristine condenser response and very low noise make it an excellent choice for recording in home/project studios. SA 43 stand adapter, foam windscreen, and gig bag included.



### C 2000 B

The "entry level" model for anyone looking for an affordable high quality recording microphone. Its almost ruler-flat response provides a crystal-clear, "up-front" sound. A switchable bass rolloff filter for eliminating proximity effect and a switchable 10-dB preattenuation pad let you adjust the microphone's response to all recording or live micing situations. A built-in pop screen reduces unwanted noise that may be caused by plosive sounds if you use the microphone extremely close-in. Rugged construction, an elegantly styled die-cast metal housing, and silver-gray finish add to the professional level quality of the C 2000 B. Includes the SA 41/1 stand adapter.



### C 3000 B

The sound is pure AKG, but the price is far below what you'd expect for a premium large-diaphragm studio condenser microphone.

Thanks to innovative design and cost-efficient manufacturing, budget-conscious performers and home/project studio owners now can enjoy the unmistakable sound of a premium AKG studio condenser at a remarkably low cost. The C 3000 B's revolutionary new capsule design – which incorporates a gold-coated 1" diaphragm – captures the distinctive character of the world's most popular studio microphones. The C 3000 B sound is smooth, clear and open, with a vibrant presence that projects to the front of a mix. Two switches select options for bass roll-off and preattenuation, allowing users to custom tailor the C 3000 B for virtually any stage or studio assignment. An internal InterSpider suspension supports the capsule assembly, an integrated windscreens accommodates outdoor use, and a safety flange provides secure connections in hanging applications. Rugged construction, die-cast casing, and scratch-resistant matte finish make the C 3000 B well suited to the rigors of touring. The H 100 spider suspension is included.



### C 4000 B

The C 4000 B represents the latest in AKG's long heritage of true 1", large diaphragm, premium microphones. The capsule has been carefully tuned to preserve the integrity of the source while offering mild compliments in the high frequencies.

The optimized transformerless output stage ensures the accuracy of low frequency and a nearly non-existent self-noise, resulting in an unbelievable dynamic range of more than 135 dB. Open, clear and natural highs coupled with smooth, accurate lows make the C 4000 B an exemplary choice when employed on vocals and on a varying array of string instruments, brass and woodwinds. With all the on-board options the C 4000 B has the versatility to take on many tasks in commercial, project and personal studios as well as on a stage and in the broadcast studio. A switchable 10 dB internal pad may be used for the distortion-free transmission of extremely high sound pressure levels in front of the microphone of up to 155 dB SPL. A 12 dB per octave low frequency cut has also been integrated into the microphone for added protection from unwanted low frequencies or "rumble". Included are the H 100 spider suspension mount which isolates the microphone from the lightest of structural born noises, and the W 4000 windscreens for use in windy environments or up-close broadcast use.





**C 4500 B-BC "ON AIR" BROADCAST MICROPHONE**

The C 4500 B-BC was developed to meet the demands associated with digital broadcasting. A front-address, large-diaphragm condenser microphone, the C 4500 B-BC is immune to electrostatic and magnetic fields and provides an extremely wide dynamic range and low self-noise. Features include a switchable 20dB pad and a switchable low-frequency roll-off (6 dB/octave below 120Hz). Internal shock mounting is provided. The C 4500 B-BC operates on all phantom power voltages. H 100 spider suspension and W 4000 windscreens are included.



**C 414 B-ULS**

The C 414 B-ULS has a well-deserved reputation for flawless performance and uncommon flexibility in the most demanding studio and concert sound applications.

The crisp, full-bodied, and naturally open character of the C 414 B-ULS makes it a preferred choice for critical recording or reinforcement of vocals, piano, percussion, and other instruments with delicate transient content. Dual one-inch, gold-sputtered diaphragms coupled to Ultra Linear Series electronics deliver exceptionally flat on-axis response, while advanced capsule design assures uniform off-axis transitions. Four selectable polar patterns precisely tailor response for maximum versatility, and two bass filter settings suppress unwanted low frequency components. Extremely low self-noise and high overload points combine for a remarkably wide 126 dB dynamic range, well in excess of digital media capabilities. The switchable 10 dB or 20 dB internal preattenuation pads allow use on instruments producing over 150 dB SPL with THD held to less than 0.5%. A worldwide studio standard in every respect, the C 414 B-ULS comes complete with H 100 spider suspension, W 414 windscreens, and individually tested frequency response curve.



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**C 414 B-TL II**

AKG combines the best of old and new: legendary C 12 acoustics and the latest generation of C 414 transformerless FET electronics. Although similar to the C 414 B-ULS in shape and features, the C 414 B-TL II differs in two important respects. First, the capsule is a faithful sonic recreation of the one used in AKG's classic C 12 tube microphone. Above 3 kHz, the TLII takes on vintage C 12 characteristics, while below this point the response is ruler flat. Additionally, AKG's new computer-aided manufacturing techniques assure greater uniformity in response from microphone to microphone. Second, the "Vintage TL" incorporates transformerless Ultra Linear Series electronics for extended low-end reproduction with extremely low distortion. The result is a remarkable microphone that exceeds all requirements for digital recording, yet one that also captures the warmth, smoothness, and delicate openness cherished by artists the world over. Switchable polar patterns, preattenuation pads, and bass roll-off filters are the same as in the C 414 B-ULS. Windscreens, Spider suspension, and individually tested frequency response graph are included.



**SOLIDTUBE VACUUM TUBE MICROPHONE**

The SOLIDTUBE is the result of half a century of experience in the design of world-class transducers. Ruggedness, high SPL capability, and extremely low self-noise coupled with the unmistakable "tube sound" make up the heart of the SOLIDTUBE. An elegant styling completes the package, distinguishing the SOLIDTUBE from the multitude of classic tube microphone imitators. The large-diaphragm condenser transducer has been specifically tuned by AKG for this microphone. Our decades of experience in this field enabled us to create an ideal complement to the warm sounding tube preamp. The heart of the SOLIDTUBE is the ECC 83 (12AX7) vacuum tube. This microphone provides perfect transfer characteristics. A switch on the side of the SOLIDTUBE activates a 20 dB pre-attenuation pad. This enables the microphone to handle sound pressure levels up to 145 dB SPL. Low frequency noise below 100 Hz can be eliminated by turning on the low-cut switch located on the front panel of the power supply unit. The SOLIDTUBE comes in a rugged carrying case with a complete set of accessories: elastic shock mount suspension, windscreens, power supply and all connecting cables.





## AKG BLUE LINE

Impeccable performance and extraordinary flexibility set a higher standard for moderately priced modular condenser systems.

Building on the foundation of AKG's reference-standard C 451 system, the AKG Blue Line elevates the state-of-the-art by offering higher sensitivity, lower noise, better phase and frequency response linearity, and lower distortion. At the heart of each AKG Blue Line capsule is an active transducer incorporating an ultra-low mass, gold-sputtered diaphragm element. Innovative design and precision manufacturing techniques result in a transducer offering extraordinarily flat response, balanced directional characteristics, minimal sensitivity to handling noise, and virtual immunity to electrically induced noise. AKG Blue Line's HDSMD (High Density Surface Mount Device) electronics are lighter, more compact, and more reliable than conventional circuit designs. The universal SE 300 B powering and output module features a switchable 12 dB/octave bass cut filter at 75 Hz to cut rumble, and a switchable -10 dB pad for very high SPL applications. Transformerless output electronics preserve the fidelity of the capsules across the full audio bandwidth with extremely low LF distortion. The AKG Blue Line System is also uncommonly easy to use, thanks to the bayonet coupling. Tactile and visual guides allow fast, accurate assembly even under difficult field conditions with no possibility of cross-threading. The bayonet system also features self-cleaning contacts to maintain a clean signal, even after years of outdoor use in hostile environments.

### AKG BLUE LINE SE 300 B TRANSFORMERLESS POWERING/OUTPUT MODULE

For use with all AKG Blue Line modular capsules, the SE 300 B operates from any 9–52 V phantom power supply. It incorporates a three position switch offering linear response, -10 dB preattenuation and 12 dB/octave 75 Hz bass-cutoff filter. Stand adapter included.

### AKG BLUE LINE MICROPHONE COMBINATION C 391 B CARDIOID

Includes SE 300 B powering/output module, CK 91 cardioid capsule, W 90 foam windscreens, and SA 40 stand adapter.

### AKG BLUE LINE CAPSULES

#### CK 91 CARDIOID

The flat frequency response and uniform polar pattern of the CK 91 make it ideal for general applications where suppression of off-axis sound is desired. Includes W 90 foam windscreens.

#### CK 92 OMNIDIRECTIONAL

The CK 92 offers exceptionally neutral presentation of a source in its ambient sound field, providing uniform results regardless of the distance between microphone and source. This characteristic, combined with linear frequency response across the entire audio band, makes the CK 92 an excellent choice for capturing the natural acoustic subtleties of a recording environment. Includes W 90 foam windscreens.

#### CK 93 HYPERCARDIOID

Similar to the CK 91, the CK 93 provides additional attenuation of 90° off-axis sounds. In addition to a higher ratio of direct to ambient sound, it also offers a virtually ruler-flat frequency response. Includes W 90 foam windscreens.

#### CK 94 FIGURE-EIGHT

Single diaphragm membrane construction provides precise reproduction of information from opposing directions. Excellent on-axis response combined with linear rejection of side information make the CK 94 ideal for Blumlein and MS stereo recording, studio vocals and broadcast interviews. Includes W 90 foam windscreens.

### AKG BLUE LINE ACCESSORIES

**A 91:** Swivel Adapter for SE 300 B.

**MK 90/3 + H 98:** Remote capsule cable and hanger.

**H 97/15:** Hanging adapter for CK 97C.

## ULTRA LINEAR SERIES

The C 480 B system combines unparalleled performance with exceptional flexibility. Patented electronic circuitry coupled to a transformerless output stage assures completely linear transfer characteristics across the entire audio bandwidth, while achieving self-noise figures close to the theoretical minimum. This, in combination with a typical SPL handling capability of 140 dB broadband means a dynamic range exceeding 125 dB, making the system suitable for the most critical digital recording applications. Gold plated switch and connector contacts guarantee consistent performance. A specially designed output stage drives difficult loads (e.g. excessively long cables) with no signal degradation.

The C 480 B pre-amp provides high sensitivity; two sets of switches offer the following features: Two step high pass filter, and two gain manipulation stages of either -10 dB or +6 dB.

### CK 60 SERIES CONDENSER CAPSULES

Each of the "ULS" series capsules must surpass the strictest tolerances for accurate presentation of both on and off-axis source material. A three micron, gold sputtered diaphragm utilizes AKG's uni-tension, double-stretched mylar for superb transient and frequency response unaltered by temperature and humidity shifts.

### C 480 B COMB-ULS/61 CARDIOID MICROPHONE

Modular microphone comprising a C 480 B preamplifier, CK 61-ULS cardioid capsule, W 32 foam windscreens and SA 40 stand adapter.

### CK 61-ULS CARDIOID CAPSULE

The broadband, ultra linear frequency response and uniform polar pattern of the CK 61-ULS make it ideal for critical recording/reinforcement applications where suppression of off-axis sound is desired. Includes W 32 foam windscreens.

### CK 62-ULS OMNIDIRECTIONAL CAPSULE

Same as CK 61-ULS, except for omnidirectional polar pattern. For more reverberant sound recordings. Includes W 32 foam windscreens.

### CK 63-ULS HYPERCARDIOID CAPSULE

Same as CK 61-ULS, except for hypercardioid polar pattern. Better off-axis rejection provides better channel separation and in many cases, higher gain-before-feedback. Includes W 32 foam windscreens.



### PERFORMER SERIES

AKG's entry into the low cost microphone market. The Performer Series includes three products, all of which are designed and manufactured in Vienna, Austria. High output Neodymium capsules and precision AKG engineering bring to market microphones that meet the needs of professionals at a price accessible to amateurs and beginning musicians. The entire line comes with removable grills for easy washing of windscreens, on/off switches, and extremely rugged housings designed for the rigors of live performance.

#### D 40 S

Unidirectional dynamic microphone with rugged plastic case. Supplied with fixed 5-m (16-ft.) cable with gold plated mini and 1/4" plugs.

#### D 50 S

Unidirectional dynamic microphone with rugged die-cast metal case and on/off switch. Supplied with fixed 5-m (16-ft.) cable with gold plated mini and 1/4" plugs.

#### D 60 S

Unidirectional dynamic microphone with rugged die-cast metal case and on/off switch. Supplied with separate 5-m (16-ft.) cable with XLR connector, gold plated mini and 1/4" plugs.

### EMOTION SERIES, "THE SOUND THAT ROCKS"

The Emotion series of microphones utilizes one of AKG's latest patented technologies. The Tiefzieh Varimotion System™ allows AKG to produce a diaphragm of varying thickness in a single press. By doing so AKG has almost completely overcome the need for tuning resonators so that the microphone's sonic characteristics can now be tuned at the capsule, effectively reducing the cost of production by 60%. Additionally, the Doubleflex anti-vibration system eliminates handling and cable noise. The microphones come in a rugged all metal housing, some utilizing 24 karat gold plated connectors.

#### D 660 S DYNAMIC MICROPHONE

The D 660 S dynamic microphone has been developed specifically for miking speech, vocals, and instruments on stage, and for Karaoke and home recording applications.

The transducer element of the D 660 S has been designed for use with both sound reinforcement systems and cassette or home studio recorders. Neutral low and mid frequency response combined with a 6 dB presence boost between 4 and 8 kHz ensures a smooth sound and excellent intelligibility.

#### D 770 INSTRUMENT/VOCAL MICROPHONE

The D 770 is a dynamic on-stage microphone. Its frequency response is shaped especially for instrumental/vocal performance. The wide frequency response is slightly boosted in the mid and high frequency ranges for a crisp instrumental sound (wind instruments, mouth-organ, guitar amps, percussion instruments and backing vocals) and for better speech intelligibility.

The outstanding performance is obtained by means of the newly developed AKG Varimotion diaphragm technology and a frequency-independent cardioid pickup pattern that provides very effective feedback suppression.

The D 770 has the special Doubleflex™ shock mounted transducer system and comes complete with a vinyl carrying case and SA 44 stand adapter.

#### D 880/D 880 S VOCAL MICROPHONES

Performance microphone with a frequency response designed specifically for lead and backing vocals. Wind noise and sibilance are eliminated by an integrated wind and pop screen.

Its outstanding performance is obtained by means of the newly developed AKG Varimotion diaphragm technology and a frequency-independent supercardioid polar pattern that provides very effective feedback suppression.

Handling noise is all but eliminated with the Doubleflex™ anti-vibration system.

The D 880 / D 880 S comes complete with a vinyl carrying case and SA 44 stand adapter. S version has on/off switch.





### TRI-POWER SERIES

#### D 3700, D 3700 S TPS TRI-POWER VOCAL

Rugged construction, distinctive Tri-Power styling, and outstanding sonic performance for vocalists on a budget.

The D 3700 features an extended frequency response with a smooth boost between 3 kHz and 15 kHz to project vocals out in front of dense mixes. A skillfully engineered combination of a high-output Maximum Flux neodymium/iron-boron rare earth transducer and a uniform hypercardioid polar pattern allows close-up work on high-level monitors without feedback. Smoothly triangulated PowerGrip™ body balances perfectly in the hand, and rugged die-cast body with Iso-Damp internal suspension guarantees reliability under the most severe touring conditions. Built-in windscreen/pop filter removes easily for cleaning with a twist of the locking bayonet mounted grille. The D 3700 S is identical to the D 3700 except for the addition of a noiseless, recessed on/off switch. SA 41/1 stand adapter included.



#### D 3800 TPS TRI-POWER VOCAL

The D 3800 offers a combination of unsurpassed performance and exclusive features unmatched by any other dynamic vocal microphones—bar none. At the heart of both mics is AKG's Maximum Flux neodymium/iron-boron rare earth transducer. This high output element, coupled with a uniformly tight hypercardioid pickup pattern, provides exceptional gain-before-feedback right on top of high level stage monitors. Vocal contoured response rises gently starting at 2 kHz to pull vocals in the front of the mix, while a smooth low end boost adds fullness and body. Extremely high SPL levels are handled easily without harshness or boominess. Patented MMS "Moving Magnet Suspension" system dramatically reduces unwanted mechanical/handling components while a hum suppression coil neutralizes electrically induced interference. PowerGrip™ housing nestles naturally in the palm, and road tough construction assures never-say-die reliability. Built-in windscreen and pop filter removes for cleaning with a twist of the locking bayonet-mount grille. SA 41/1 stand adapter included.



**D 112 LARGE DIAPHRAGM  
DYNAMIC KICK/BASS MICROPHONE**

The D 112 has earned a well-deserved reputation as the best kick drum microphone ever made. Period. Heavy-footed drummers won't faze it, because the D 112 handles up to 168 dB SPL with no audible distortion. A specially engineered diaphragm with very low resonance frequency maintains solid and powerful response below 100 Hz, while a narrow band presence rise at 4 kHz punches through dense mixes with little or no added EQ. The result is a kick drum sound that ideally balances precise definition and forceful impact. The D 112 is also an excellent choice for use with bass cabinets, trombones, etc. Built in windscreen, SA 40 stand adapter included.



**D 440 INSTRUMENT MICROPHONE**

The D 440 is a cardioid dynamic microphone. It has been designed primarily as an instrument microphone for rough onstage use on percussion instruments, guitar amps, wind instruments etc. The wide frequency response of the D 440 that slightly favors the midfrequency and treble regions ensures good intelligibility. The term "cardioid polar response" means that the D 440 is most sensitive to sound arriving from in front of it, less sensitive to sound arriving from the sides, and least sensitive to sound arriving from the rear. This polar pattern is virtually the same for all frequencies ("frequency independent"). A shock absorbing wire-mesh outer grille and massive plastic housing protect the the transducer system from damage. The outer steel wire mesh grille and a layer of a special textile material form a very effective windscreen against pop and wind noise. The D 440 features a standard 3-pin male XLR type connector. This connector type is internationally standardized so that you can connect the microphone to the rest of your equipment using any commercial microphone cable with a female 3-pin XLR type connector. The integrated stand adapter provides a convenient way to fine align the microphone with the instrument.

The supplied H 440 clamp lets you mount the microphone directly on a snare drum, tom tom, or similar percussion instruments.



**D 550 BASS INSTRUMENT MICROPHONE**

The D 550 is a cardioid dynamic microphone. It has been designed primarily as a bass instrument microphone for rough onstage use on bass drum, tuba, trombone, bass amps, etc. The wide frequency response of the D 550 that slightly favors the low frequency and treble ranges ensures a very powerful sound and good intelligibility. The term "cardioid polar response" means that the D 550 is most sensitive to sound arriving from in front of it, less sensitive to sound arriving from the sides, and least sensitive to sound arriving from the rear. This polar pattern is virtually the same for all frequencies ("frequency independent"). A shock absorbing wire-mesh outer grille and massive plastic housing protect the the transducer system from damage. The outer steel wire mesh grille and a layer of a special textile material form a very effective windscreen against pop and wind noise. The D 550 features a standard 3-pin male XLR-type connector. This connector type is internationally standardized so that you can connect the microphone to the rest of your equipment using any commercial microphone cable with a female 3-pin XLR-type connector.



C 418



C 419



C 416



C 411

#### C 418 DRUM AND PERCUSSION "MicroMic"

The C 418 hypercardioid condenser microphone has a specifically tailored frequency response for drum and percussion miking applications. Its two angle adjustment boom-arm with the vibration resistant rubberized clamp make it easy to place on any drum or percussion instrument. The C 418 elastomer shock-mounted capsule adds additional rejection of vibration noise.

#### C 419 WIND INSTRUMENT "MicroMic"

The C 419 hypercardioid condenser microphone was developed especially for saxophone, trumpet, trombone, tuba and almost all other brass/wind instruments. Its rubberized non-marring clamp along with the adjustable elastomer suspension gooseneck makes for superior isolation while allowing problem free placement on any horn instrument. The C 419 hypercardioid transducer element delivers a smooth frequency response with a gentle high frequency peak while maintaining a high resistance against feedback. The C 419 allows the performer to reach the audience with power and clarity while maintaining freedom to move on stage.

#### C 416 INSTRUMENT "MicroMic"

The C 416 hypercardioid condenser microphone frequency response has been tailored for use with all types of low profile miking applications such as guitar cabinets, piano, keyboard/organ cabinets, and accordion. When your performance is over, simply remove the C 416's gooseneck by detaching it from the mounting bracket. Mounting is made easy with the included screws or the double sided non-marring adhesive pads. Placing the microphone exactly where you need it is always possible with the C 416.

#### C 411 ACOUSTIC PICKUP "MicroMic"

The C 411 condenser acoustic pickup with its tailored frequency response is ideal for acoustic guitar, mandolin, violin and most other stringed instruments. Placing the small ultra-light C 411 on or near the bridge will reproduce a clear and uncolored sound without changing the balance of the instrument. Attaching the C 411 is easy with the included non-marring reusable adhesive compound. The C 411 is the stethoscope for your acoustic instruments.



**C 417 LAPEL "MicroMic"**

AKG's answer to low cost micro sized lavalier technology, the C 417 is one of the smallest lavaliers on the market at a price that is well below that of its major competitors. Its broadband audio reproduction in an omni-directional format is ideal for all types of broadcast and theatrical applications. The sound is extremely open and natural off-axis frequency response is extremely linear, making it ideal for multi-mic situations.

The unit comes in a variety of configurations including flesh tones, different connector arrangements and lengths. The C 417 includes two clips and a windscreen.

**OPTIONAL ACCESSORIES**

B 29 battery supply for 2 MicroMics

MPA II, MPA III phantom power adapters

MicroMic II Series microphones are available in various configurations:

Standard versions with 3-pin XLR connector for connecting to conventional mixing consoles.

"B-Lock" versions with gold plated, locking mini jack for battery powering from the B 29 or phantom powering using the MPA II phantom adapter.

"L" versions with mini XLR connector for connecting to AKG wireless systems or phantom powering through the MPA III phantom adapter.



LM 3 (L)



**CK 77 WR & C 577 WR**

The new AKG CK 77 WR is a water resistant lavalier microphone designed for performers working hard in the heat of the spotlights. With conventional lavaliers, when artists start perspiring, sweat seeps into the microphone, degrading audio quality, sometimes even causing shorts, interference or total failure.

Weighing only 0.4 grams (0.014 oz.) and only 14 mm (0.55 in.) in length, the CK 77 WR is the perfect choice for extremely low profile use on stage or on camera, where absolute mobility and excellent audio is required.

The dual-diaphragm capsule of the CK 77 WR is protected by a newly designed plastic net\* and will only accept sound waves while keeping out humidity, perspiration, and salt corrosives. The design also suppresses cable noise and prevents microphone malfunctioning. Finally, you'll love the sound of the CK 77 WR, its improved accessories, and compatibility with all popular wireless transmitters.

In the heat of the spotlights, the CK 77 WR from AKG keeps your audio dry.

Available versions:

- \* C 577 WR black, with phantom adapter
- \* CK 77 WR - L black, with mini XLR connector
- \* CK 77 WR - L/p flesh-tone, with mini XLR connector
- \* CK 77 WR - oc black, with stripped and tinned leads
- \* CK 77 WR - oc/p flesh-tone, with stripped and tinned leads
- \* CK 77 WR - oc/w white, with stripped and tinned leads

\* Patent applied for



CK 97-0

CK 97-C

**CK 97-0 MINIATURE OMNIDIRECTIONAL**

This tiny lavalier capsule has linear bass and midrange response, while a gentle rise around 8 kHz crisply accentuates voices. Omni-directional pattern allows natural sound reproduction with no proximity build-up, while high sensitivity and low self-noise combine for exceptional S/N performance. W 97 foam windscreen, tie clip, and tie pin included. Requires SE 300 B for operation.

**CK 97-C MINIATURE CARDIOID**

The CK 97C is ideally suited to a variety of sound reinforcement and film set applications. It offers a bass roll-off at 400Hz to reduce chest resonance, gentle 8–12 kHz rise to improve vocal clarity, and uniform cardioid pickup pattern for excellent gain-before-feedback. CK 97C version includes a 3 m (10 ft.) cable, belt clip for the SE 300 B preamp, tie clip, tie pin, hanger adapter, and W 97 foam windscreen. Requires SE 300 B for operation.

**LM 3 & LM 3 L**

Lavalier module for use with CK 31, CK 32, and CK 33 modules (see page 14).

LM 3 3cm. (1 in.) lavalier module with in-line XLR phantom power adapter.

LM 3 L 3 cm. (1 in.) lavalier module with 3-pin mini XLR connector fitting PT 40, PT 60/61 or PT 80/81



### C 444 L

The new C 444 L headset microphone from AKG is rugged, extremely easy to use, and provides incredible price/performance. If you need your hands free at the gym, during presentations, or on stage, you will appreciate the comfortable yet secure fit of the C 444 L.

New cheek pads ensure the C 444 L will stay in place, no matter how quickly or suddenly you may move your head, and a shock mount suppresses unwanted handling noise. A response peak at 10 kHz and a rolloff below 800 Hz ensure perfect voice reproduction and intelligibility even in noisy environments.

A newly designed drip ring ensures consistent audio at any time as it prevents perspiration from seeping into the transducer. The microphone capsule of the C 444 L will always stay dry. You'll appreciate this feature in the heat of the spotlights where you can't afford to worry about the mic. Terminated in Mini-XLR connector. The C 444 L is available only with the WMS series wireless systems. W 44 foam windscreen included.



### C 420 HEADSET "MicroMic"

The C 420 cardioid condenser microphone was designed with a full frequency response bandwidth that delivers a pure powerful sound and carries punch and presence to the audience. It is ideal for front vocalists, singing keyboard players, drummers, guitarists, dancers and aerobic instructors. It has a new and fully adjustable headband and ear pieces that fit comfortably and secure on your head. The C 420 has the cable exiting from the rear of the headband to stay out of the way of your performance. When you require hands free performance capabilities, the C 420 headset is your answer. W 44 foam windscreen and cable clip included.



#### C 568 EB SHOTGUN MICROPHONE

High directivity and wide frequency response in a relatively short integrated unit make this an ideal microphone for theater, sound reinforcement, and film/video recording. Due to its compact and light-weight design, the C 568 EB is ideal for camera mount applications.

The C 568 EB is an electret condenser design which operates on both pressure gradient and interference principles. Below 500 Hz it functions as a hypercardioid microphone; above 500 Hz the acoustic interference tube introduces increasing directivity. A switch selectable 12 dB/octave 150 Hz roll-off filter effectively suppresses rumble and wind noise. Robust, all-metal housing contains the built-in preamp/impedance converter. Phantom powering (9–52 V) required; W 68 foam windscreen and SA 40 stand adapter included.

#### CK 98 SHORT SHOTGUN

The CK 98 combines high sensitivity and controlled directivity. It offers excellent reach, thanks to a very tight polar pattern and exceptionally low self noise. Small size and light weight make the CK 98 ideal for boom applications, while the smooth, wideband frequency response makes it a superb choice for edge-of-stage and ceiling placements. Includes W 98 foam windscreen. Requires SE 300 B for operation.

#### CK 69-ULS SHOTGUN CAPSULE

Directional/Ultra-directional Capsule.

Two shotgun capsules in one, with quick and easy conversion from long to short shotgun applications without compromising sonic integrity. In its long shotgun configuration, the CK 69-ULS will deliver perfect results for outdoor applications—getting sounds in sync with picture—or indoor front of stage recording/reinforcement from approximately 6 to 8 m (20 to 24 ft.). Unscrew the front half of the interference tube and the same capsule becomes a short shotgun for use in TV, film and video close-up work. Additionally, the short shotgun mode resolves the problems associated with performing interviews in noisy environments.

The CK 69-ULS operates flawlessly in high humidity environments, and windscreens are provided for both long and short configurations. Convenient, quiver-type carrying case accommodates capsules, powering module, and W 48 & W 49 windscreens. Includes original frequency response curves. Matte black finish. Requires C 480 B for operation.



**D 541, D 541E**

A rugged, low-cost dynamic cardioid gooseneck microphone suitable for a wide range of general public address applications.

The D 541 features speech-tailored frequency response for high intelligibility, shock mounted transducer for silent gooseneck adjustment and rejection of vibration noise, uniform off-axis response to avoid feedback, and a non-glare matte black finish. The D 541 E is fitted with an XLR connector for detachable mounting; the D 541 is designed for permanent installation (single hole mount or 3/8" threaded) and includes a 2 m (6 ft.) unterminated cable.



GN 15

GN 15 E

GN 30

GN 30 E

GN 50

GN 50 E

**DISCREET ACOUSTICS MODULAR GOOSENECKS**

- GN 15** 15-cm (6-in.) gooseneck with external in-line XLR phantom power adapter for permanent screw-on installation
- GN 15E** 15-cm (6-in.) gooseneck with integrated XLR phantom power adapter for temporary installation
- GN 30** 30-cm (12-in.) gooseneck with external in-line XLR phantom power adapter for permanent screw-on installation
- GN 30 E** 30-cm (12-in.) gooseneck with integrated XLR phantom power adapter for temporary installation
- GN 50** 50-cm (19.7-in.) gooseneck with external in-line XLR phantom power adapter for permanent screw-on installation
- GN 50 E** 50-cm (19.7-in.) gooseneck with integrated XLR phantom power adapter for temporary installation

"E" version goosenecks are provided with the PS 3 F-Lock panel mount socket.

**CK 97-CVR MINIATURE CARDIOID**

The CK 97CVR incorporates the capsule into a 350mm (15") mini gooseneck to create an unobtrusive, high quality microphone for podium, pulpit or boardroom use. Includes W 97 foam windscreen. Requires SE 300B for operation.



**OPTIONAL ACCESSORIES**

- B 18 battery power supply
- MF-DA mounting flange
- H 500 shock mount
- H 600 + A 608 shock mount, lockable

**DISCREET ACOUSTICS MODULAR-SERIES**

The Discreet Acoustics Modular-Series is a new modular condenser microphone system. It comprises eight capsules and eight installation modules (six gooseneck and two hanging modules) which can be used in any combination. The modules and capsules screw together for extremely stable and reliable connections.

Applications include speech reinforcement and recording in places of worship, conference centers, at panel discussions, etc.

**CAPSULE MODULES**



CK 31  
CK 31 White



CK 32



CK 33  
CK 33 White



CK 47  
CK 47 White



CK 80

Capsule	Polar Pattern	Loudspeaker Placement	Working Distance with Gooseneck Module	Working Distance with Hanging Module	Applications
CK 31	Cardioid	Behind the microphone only	30 to 60 cm (1 to 2 ft.)	1 to 3 m (3 to 10 ft.)	Sound systems
CK 31 White	Cardioid	Behind the microphone only	30 to 60 cm (1 to 2 ft.)	1 to 3 m (3 to 10 ft.)	Sound systems
CK 32	Omnidirectional	Do not use with loudspeakers	30 to 200 cm (1 to 7 ft.)	1 to 7 m (3 to 23 ft.)	Recording
CK 33	Hypercardioid	90° to 135° off the microphone axis	30 to 90 cm (1 to 3 ft.)	2 to 4 m (7 to 13 ft.)	Sound systems
CK 33 White	Hypercardioid	90° to 135° off the microphone axis	30 to 90 cm (1 to 3 ft.)	2 to 4 m (7 to 13 ft.)	Sound systems
CK 47	Hypercardioid	90° to 135° off the microphone axis	30 to 90 cm (1 to 3 ft.)	2 to 4 m (7 to 13 ft.)	High quality sound systems and acoustically difficult environments
CK 47 White	Hypercardioid	90° to 135° off the microphone axis	30 to 90 cm (1 to 3 ft.)	2 to 4 m (7 to 13 ft.)	High quality sound systems and acoustically difficult environments
CK 80	Hypercardioid	90° to 135° off the microphone axis	30 to 90 cm (1 to 3 ft.)	2 to 4 m (7 to 13 ft.)	Speech reinforcement

**STANDARD ACCESSORIES: WINDSCREENS**

The CK 47 and CK 80 include the W 70 and W 80 windscreen, respectively. The CK 31, 32, and 33 capsule modules come with a new, two-layer windscreen called the W 30. Two different materials provide optimum rejection of wind noise. The dark-gray outer layer swirls the impinging air stream. The colored inside layer is more permeable to air and acoustically neutral. It steadies the air stream before it hits the diaphragm. This two-stage process cuts wind noise extremely efficiently.



W 30



W 70



W 80

**INSTALLATION MODULES**

All installation modules feature a status LED ring normally powered off the phantom supply voltage. When the microphone has been correctly connected and the system and phantom power switched on, the LED ring will glow at medium brightness. Thus, the sound system

operator will know at a glance which microphones have been installed correctly. Note that in this configuration the LED ring only indicates the system is ready to operate (NOT that the microphone is open!). However, all installation modules except for the E versions allow the LED ring to be powered from an external supply for

“open mic” indication. In this mode, the LED ring will light much more brightly to alert the talker that their mic is open. Where neither of these functions is desired, the user may deactivate the LED ring altogether. This allows you for the first time to select status indicator modes without having to buy a new microphone.





C 747

### C 747 CONDENSER MICROPHONE

Invisible in most applications, the pencil-sized C 747 picks up voices and instruments at surprising distances with phenomenal fullness and clarity.

The C 747 is a premium quality “spot” or “accent” microphone designed to solve difficult placement problems in a variety of exacting orchestral, choir, podium, and boardroom applications. Smooth, extended frequency response makes it suitable for high quality live music recording, while the frequency-independent pattern provides uniform off-axis rejection to control ambient noise and feedback in difficult environments—acoustically “live” houses of worship, for example. A tuned interference tube provides extended bass response, high sensitivity, and excellent S/N ratio. The C 747’s hypercardioid response is designed to be “forgiving”, making it an excellent choice for critical podium/pulpit or boardroom applications where speakers tend to wander off-axis. A LF roll-off switch is provided to filter out rumble from mechanical vibration. Low impedance transformerless preamp/adaptor operates on 9–52 V phantom power. Mounting accessories include the H 47 shock mount/adaptor, W 70 windscreen, MSH 70 mini gooseneck, SA 47 swivel stand adapter, SA 80 mounting clamp, and SHZ 80 thread link.

HM 1000



### INSTALLATION MODULES

**HM 1000** Hanging module with a 10-m (33-ft.) antitwist cable and in-line XLR phantom power adapter

### OPTIONAL FOR ACCESSORIES APPLICATIONS

SA 40, SA 50 stand adapters

SA 80 clamp

ST 5/3, ST 45, ST 46 table stands

DISCREET ACOUSTICS – BOUNDARY LAYERS



**C 400 BL**

Uses: Conference tables, lecterns, theaters, ...

Features: Hypercardioid polar pattern, speech optimized frequency range, extremely small, easy to place. Supplied with mounting plate and special adhesive tape.

Benefits: Extremely cost-efficient unidirectional boundary microphone for various applications. Its frequency response has been designed for optimum intelligibility of speech. The design is inconspicuous and the housing can be painted easily in the color of your wish. This makes the C 400 BL literally invisible.



**C 680 BL**

Uses: Conference tables, lecterns, places of worship.

Features: Cardioid polar pattern, shock mounted transducer, integrated phantom power adapter. Supplied with special adhesive tape.

Benefits: Cost-efficient table microphone for inconspicuous placement. The transducer shock mount effectively reduces impact noise pickup. The supplied strip of special adhesive tape allows you to fix the microphone temporarily on a table without staining the table or leaving any residue after removal.



**C 547 BL**

Uses: Theaters, places of worship, conferencing.

Features: Hypercardioid polar pattern, rugged construction, switchable bass-cut filter for reducing footfall noise, studio-quality audio.

Benefits: The C 547 BL features a rugged, "non-crush" case designed primarily for tough on-stage assignments. Other benefits include optimum acoustic properties, high directivity, and neutral sound.



C 562 BL



C 562 CM

**C 562 BL, C 562 CM BOUNDARY MICROPHONE**

Both versions of the C 562 offer the inherent advantages of boundary layer design: 6 dB higher sensitivity and virtual elimination of comb filter effects when installed on reflective surfaces plus extended and flattened frequency response. Both versions are omnidirectional in their hemispheres and are therefore essentially insensitive to structurally transmitted noise. A high-sensitivity electret condenser capsule provides superior S/N ratio and extended depth coverage.

The miniature C 562 CM is designed for flush mounting in ceilings, walls, conference tables, stage sets, etc., with an attached cable terminating in a 3.5 mm (1/8") male jack which threads through the 1/2" mounting hole. An accompanying phantom power adapter provides electronically balanced low impedance output via an XLR connector.

The transducer element in the C 562 BL is mounted in the center of a heavy 160 mm (6.3") diameter plate, making it ideal for tabletop or floor placement. Three perimeter holes are provided for permanent installation, each with rubber mounts for shock isolation. A steel-reinforced cable terminates in a preamp/phantom power adapter with electronically balanced output via an XLR connector. W 62 windscreen included.



D 58 E



D 58

### D 58, D 58 E

A special, close-talk dynamic microphone for communications, paging and talkback in high ambient noise and feedback-prone environments (e.g. railroad stations, airports, restaurants, etc.).

Designed for close-up use, the D 58 dramatically attenuates noise and feedback components originating more than three feet away. Small and lightweight, the D 58 has an integral XLR connector for mounting on a gooseneck or mic cable.

D 58 finish is matte nickel. D 58 E finish is matte black.



### D 230

AKG's reputation for uncompromising sound quality is immediately recognizable in this robust new ENG (electronic news gathering) microphone. The D 230 incorporates a high output rare earth magnet structure designed to deliver exceptional sensitivity and clarity in the demanding news gathering field. The extended shaft allows for easy placement of station flags without typical handling problems. The housing is made of an extremely rugged die cast metal with a non-reflective surface for low profile on camera operation.

The D 230 comes complete with SA 44 stand adapter.



### HSC 200 SR BROADCAST-HEADSET

The HSC 200 SR features semi-open headphones and a high quality condenser microphone. The electret microphone rests in a shock mount that suppresses both cable noise and acoustic leakage of the headphones signal into the microphone. Microphone connector: 3-pin XLR; headphones connector: gold plated 1/4" stereo jack.



### HSD 200 SR/OC COMMUNICATION-HEADSET

Specifically designed for use in very noisy environments, the HSD 200 SR/OC combines semi-open headphones with a noise-canceling, close-talking dynamic microphone.

The HSD 200 SR/OC uses a 3-m (10-ft.) unterminated cable.



### C 12 VR VINTAGE REISSUE TUBE MICROPHONE

Production of the original C 12 ceased in 1963, and over the years it gradually became a sought-after collectors' item—a legendary recording instrument acclaimed worldwide for its exquisite sound.

The new C 12 VR is true to the original C 12's electronic and acoustic design with only subtle refinements (made possible by modern manufacturing techniques and improvements in basic circuit components) incorporated to increase overall robustness and reduce susceptibility to hum and noise. With the recreated 1-inch twin diaphragm capsule design and the same 6072 vacuum tube at the heart of its circuitry, the C 12 VR assures that even the most discriminating users will enjoy the trademark warmth, clarity and presence that characterized the original model. Nine different polar patterns are available, any of which may be remotely selected from the N 12 VR powering unit. Other user control features include two bass roll-off filters (also remotely selectable), switchable preattenuation pads, and a switchable 10 dB boost in nominal sensitivity. A large core-section output transformer minimizes low frequency distortion, and special shock mounting elements protect circuitry and provide acoustic isolation. The C 12 VR comes complete with powering/remote unit, H 15/T elastic shock mount suspension, 10 m (30-foot) connecting cable, W 42 foam windscreen, and rugged aluminum carrying case. Individually tested frequency response graph also included.



### C 426 B STEREO MICROPHONE

A compact and highly refined microphone system designed for the most critical single-point stereo recording applications.

A direct descendent of AKG's renowned C 422 and C 24 large diaphragm stereo condensers, the C 426 B incorporates new technology for significant improvements across virtually all performance parameters: dynamic range, self-noise, sensitivity, linearity, frequency response between channels, and crosstalk. Two gold-sputtered twin-diaphragm capsules are arranged in a coincident pair; the microphone head may be rotated 45 degrees against the shaft and the upper system rotated 270 degrees against the lower to facilitate quick changeover from M/S to X/Y techniques. Two tightly focused LEDs mounted on each rotating capsule provide quick visual verification of capsule angle from a distance. Switches on the microphone housing select bass roll-off (12 dB/octave at 75 Hz) and -10 dB preattenuation. Included remote control system allows completely noiseless selection among the nine polar patterns available for each capsule. Complete system also includes shock mount/stand adapter, foam windscreen, 66' connecting cable, and rugged carrying case.



SR 40



HT 40



PT 40

## WMS 40 WIRELESS MICROPHONE SYSTEM

Entry-level professional wireless system. For all applications requiring perfect audio in spite of a limited budget. Ideal for small stages, clubs, small touring systems, places of worship, hotels, gyms, etc.

The WMS 40 operates in the UHF (Ultra High Frequency) range. It uses highly selective SAW (Surface Acoustic Wave Filter) filters and advanced circuitry to ensure interference-free operation and perfect sound even under difficult conditions. The fixed preset frequency lets you set up and operate the system right away without having to study the manual first.

### SR 40 RECEIVER

- Adjustable squelch for noise-free reception.
- Clear status display including RF, power, and mute indicators.
- Output level adjustable from mic to line level.
- Special strain relief prevents power cable from being unplugged unintentionally.
- Professional outputs: balanced XLR and unbalanced 1/4" jack.

### HT 40 HANDHELD TRANSMITTER

- Handheld transmitter with D 880 microphone element for brilliant, uncolored vocal reproduction.
- Integrated antenna for optimized RF output and perfect transmission quality.
- Controls include on/off and mute switches, and a battery status indicator.
- Color code clip for channel identification.
- Uses standard 1.5 V AA size dry or rechargeable batteries to keep operating cost low.
- Battery life: >30 hours.

### PT 40 BODYPACK TRANSMITTER

- Rugged plastic case.
- Mini XLR input for all "L" type microphones from AKG.
- Also optimally suited for use with guitar and bass thanks to extended audio bandwidth.
- Controls include on/off and mute switches, input level control, mic/line switch, and a battery status indicator.
- Uses standard 1.5 V AA size dry or rechargeable batteries to keep operating cost low.
- Battery life: >30 hours.

### MICROPHONES AVAILABLE FOR THE PT 40

C 417/L, C 419/L, C 420/L, C 444/L, CK 77WR/L, and MK/GL instrument cable.

### AVAILABLE SYSTEMS

Handheld System: HT 40 with D 880 microphone element, SR 40 receiver, SA 43 stand adapter, AC adapter, batteries, instruction manual.

Bodypack System: PT 40 without microphone, SR 40 receiver, AC adapter, batteries, instruction manual.

### OPTIONAL ACCESSORIES

RMU 60 rack mount kit, CH 40 carrying case.

### SPECIFICATIONS

**CARRIER FREQUENCY RANGE:** US54 - 710.400 MHz  
US58 - 734.600 MHz

**MODULATION:** FM

**AUDIO BANDWIDTH:** 40–20kHz

**T.H.D.:** typ. 0.8 %

**SIGNAL/NOISE RATIO:** typ. 103 dB-A

#### HANDHELD TRANSMITTER

**RF OUTPUT:** 10 mW (ERP)

**BATTERY LIFE:** >30 hours (2 x 1.5 V AA size batteries)

**SIZE/WEIGHT:** 258 x 40 dia. mm (10.1 x 1.6 in.)

#### BODYPACK TRANSMITTER

**RF OUTPUT:** 10 mW (ERP)

**BATTERY LIFE:** >30 hours (2 x 1.5 V AA size batteries)

**SIZE/WEIGHT:** 96 x 64 x 22 mm (3.8 x 2.5 x 0.9 in.)

#### RECEIVER

**AUDIO OUTPUTS:** balanced XLR and unbalanced 1/4" jack;  
level adjustable from mic to line; 2 Vrms max.

**SIZE/WEIGHT:** 235 x 142 x 43 mm (9.3 x 5.6 x 1.7 in.)/470 g (16.6 oz.)



## WMS 60/WMS 80 WIRELESS SYSTEMS

Professional wireless systems for all applications where perfect audio in spite of a limited budget is required. Ideal for small to medium size stages, clubs, theaters, places of worship, small and medium size conference venues, open air performances, sports facilities, etc.

The WMS 60 operates in the VHF range, the WMS 80 in the UHF range. SAW (Surface Acoustic Wave Filter) filters and 15 selectable frequencies ensure interference-free operation. Interchangeable microphone elements for great flexibility, multichannel capability for operating up to 22 audio channels\*, excellent price/performance. Complete with 19" installation hardware for easy rack mounting.

\* In combination of various frequency sets (UHF, VHF)

### SR 60 AND SR 80 RECEIVERS

- Receiver includes 19" rackmount kit for easy rack mounting.
- 15 selectable carrier frequencies make it easy to set up multi-channel systems and avoid interference frequencies.
- Microprocessor controlled "four level diversity" antenna management system and adjustable squelch for noise-free reception.
- Clear status display including RF and audio level, diversity, and mute indicators.
- Professional outputs: balanced XLR and unbalanced 1/4" jack.

### HT 60 AND HT 80 HANDHELD TRANSMITTERS

- Handheld transmitter for interchangeable microphone elements. Three microphone elements for different applications are available.
- Integrated dipole antenna for optimized RF output and perfect transmission quality.
- Controls include frequency selector, on/off, and mute switches, input level control, audio overload and battery status indicators. A rotatable security cover prevents unintentional readjustment.
- Uses standard 1.5 V AA size dry or rechargeable batteries to keep operating cost low.

### MICROPHONE ELEMENTS AVAILABLE FOR THE HT 60 AND HT 80

D 880 WL/1, D 3800 WL/1, C 535 WL/1

### PT 60 AND PT 80 BODYPACK TRANSMITTERS

- Miniature bodypack transmitter with rugged plastic case.
- Mini XLR input for all "L" type microphones from AKG.
- Also optimally suited for use with guitar and bass thanks to extended audio bandwidth.
- Controls include frequency selector, on/off, and mute switches, input level control, audio overload and battery status indicators. Security covers for all controls prevent unintentional readjustment.
- Uses standard 1.5 V AA size dry or rechargeable batteries to keep operating cost low.

### MICROPHONES AVAILABLE FOR THE PT 60 & PT 80

C 417/L, C 419/L, C 420/L, C 444/L, CK 77WR/L, and MK/GL instrument cable.

### AVAILABLE SYSTEMS

Handheld System: HT 60/80 without microphone element, SR 60/80 receiver, rack mount kit, SA 43 stand adapter, AC adapter, batteries, instruction manual.

Bodypack System: PT 60/80 without microphone, SR 60/80 receiver, rack mount kit, AC adapter, batteries, instruction manual.

### OPTIONAL ACCESSORIES

CC 60 color coding kit, CH 60 carrying case.

Changeable microphone heads (HT):

D 880 WL/1

C 3800 WL/1

C 535 WL/1

### SPECIFICATIONS

#### CARRIER FREQUENCY RANGE:

WMS 60: 169–206 MHz

WMS 80: 710–746 MHz

#### MODULATION: FM

AUDIO BANDWIDTH: 50–20kHz

T.H.D.: <0.8%

SIGNAL/NOISE RATIO: >108 dBA

#### HANDHELD TRANSMITTER

RF OUTPUT: 10 mW (ERP)

BATTERY LIFE: >12 hours (2 x 1.5 V AA size batteries)

SIZE/WEIGHT: 258 x 36 dia. mm (10.1 x 1.4 in.)/245 g (8.7 oz.)

#### BODYPACK TRANSMITTER

RF OUTPUT: 10 mW (ERP)

BATTERY LIFE: >10 hours (2 x 1.5 V AA size batteries)

SIZE/WEIGHT: 92 x 65 x 20 mm (3.6 x 2.55 x 0.8 in.)/76 g (2.7 oz.)

#### RECEIVER

AUDIO OUTPUTS: balanced XLR: switchable to mic or line level, typ. 30 dB; unbalanced 1/4" jack: 0 dB; XLR: 6 dB

SIZE/WEIGHT: 210 x 170 x 42 mm (8.3 x 6.7 x 1.65 in.)/470 g (16.6 oz.)



SR 81

HT 81 &amp; D880WL/1



PT 81



## WMS 61/WMS 81 WIRELESS SYSTEMS

The WMS 61 and WMS 81 wireless systems are multichannel systems that allow you to use up to 27 channels\* simultaneously. The modular system architecture provides for custom solutions for every conceivable application. The WMS 61 operates in the VHF range, the WMS 81 in the UHF range. SAW (Surface Acoustic Wave Filter) filters and 15 selectable frequencies ensure interference-free operation. Both systems include a complete 19" rack mounting kit. An intelligent battery management system monitors the transmitter battery voltage and computes residual capacity. A pilot tone system transmits battery data to the receiver to control the Tone Code Squelch and Automuting functions.

A wide range of accessories are available for the WMS 61 and WMS 81.

\* In combination of various frequency sets (UHF, VHF).

### SR 61/SR 81 RECEIVERS

- Receiver includes 19" rackmount kit for easy rack mounting.
- 15 selectable carrier frequencies make it easy to set up multichannel systems and avoid interference frequencies.
- Microprocessor controlled "four level diversity" antenna management system for noise-free reception.
- Tone Code Squelch function for automatic noise suppression.
- Clear status display including RF and audio level, diversity, and mute indicators.
- Transmitter battery status indicator.
- Professional outputs: balanced XLR and unbalanced 1/4" jack.
- Input for external booster or directional antenna for ranges longer than 100 m (330 ft.).

### HT 61/HT 81 HANDHELD TRANSMITTERS

- Handheld transmitter for interchangeable microphone elements. Three microphone elements for different applications are available.
- Integrated dipole antenna for optimized RF output and perfect transmission quality.
- Pilot tone system for transmission of battery status and automuting (TCSO) data.
- Controls include frequency selector, on/off, and mute switches, input level control, audio overload and battery status indicators. A rotatable security cover prevents unintentional readjustment.
- Uses standard 1.5 V AA size dry or rechargeable batteries to keep operating cost low.

### MICROPHONE ELEMENTS AVAILABLE FOR THE HT 61 AND HT 81

D 880 WL/1, D 3800 WL/1, C 535 WL/1

### PT 61/PT 81 BODYPACK TRANSMITTERS

- Miniature bodypack transmitter with rugged plastic case and mini XLR input.
- Also optimally suited for use with guitar and bass thanks to extended audio bandwidth.
- Pilot tone transmission system.
- Controls include frequency selector, on/off, and mute switches, input level control, audio overload and battery status indicators. Security covers for all controls prevent unintentional readjustment.
- Uses standard 1.5 V AA size dry or rechargeable batteries to keep operating cost low.

### MICROPHONES AVAILABLE FOR THE PT 61/PT 81

C 417 L, C 419 L, C 420 L, C 444 L, CK 77 L, and MK/GL instrument cable.

### AVAILABLE SYSTEMS

Handheld System: HT 61/81 without microphone element, SR 61/81 receiver, rack mount kit, SA 43 stand adapter, AC adapter, batteries, instruction manual.

Bodypack System: PT 61/81 without microphone, SR 61/81 receiver, rack mount kit, AC adapter, batteries, instruction manual.

### OPTIONAL SYSTEM COMPONENTS

PS 61/PS 81: Active wideband antenna splitter for up to four SR 81 receivers or three receivers and one additional antenna splitter for daisy-chain configurations. The antenna splitter is powered by the SR 81 receivers connected to it.

RA 61/RA 81: Remote receiving antenna with integrated booster. The antenna is powered by the PS 61 or PS 81 antenna splitter via the antenna cable (remote powering).

SRA 1: UHF directional antenna for use with the SR 81 or PS 81. UAM 1: for mounting antennas in front of rack.

### OPTIONAL ACCESSORIES

MK A 20 20-m (65-ft.) connecting cable,  
MK PS connecting cable for PS 61 and PS 81,  
CC 60 color coding kit, CH 60 carrying case

Changeable Microphone Heads (HT):



D 880 WL/1



C 3800 WL/1



C 535 WL/1



PR 81



PS 81

RA 81 B



Hard case CH 60 (products not included)

**PR 81 BODYPACK RECEIVER**

- Miniature bodypack receiver with rugged plastic case and mini XLR output.
- 15 selectable carrier frequencies make it easy to set up multi-channel systems and avoid interference frequencies.
- Microprocessor controlled "four level diversity" antenna management system for noise-free reception.
- Clear status display including RF and audio levels, diversity, and mute indicators.
- Battery status indicator.
- Fixed line level and adjustable headphones outputs on mini XLR connector.
- Volume control for headphones output.
- Security covers protect the channel selector, squelch control, and on/off switch from unintentional readjustment.
- Complete with versatile camera mount kit and belt clip.
- An optional camera power adapter allows the receiver to be powered from the camera.
- AA size 1.5 V dry or rechargeable batteries keep operating cost low.
- Designed for use with WMS 80 and WMS 81 handheld and bodypack transmitters.

**AVAILABLE SYSTEMS**

HT/PR System: HT 80 or 81 without microphone element, PR 81 receiver, SA 43 stand adapter, camera mount kit, belt clip, mini XLR to XLR audio connecting cable, dry batteries, instruction manual.

PT/PR System: PT 80 or 81 without microphone, PR 81 receiver, SA 43 stand adapter, camera mount kit, belt clip, mini XLR to XLR audio connecting cable, dry batteries, instruction manual.

**OPTIONAL ACCESSORIES**

PA 81 battery power adapter, MK HP connecting cable for headphones, MK HP/C connecting cable for headphones and camera.

**SPECIFICATIONS**

**CARRIER FREQUENCY RANGE:**

**WMS 61:** 176–216 MHz

**WMS 81:** 710–246 MHz

**MODULATION:** FM

**AUDIO BANDWIDTH:** 50–20kHz

**T.H.D.:** <0.8 %

**SIGNAL/NOISE RATIO:** >108 dB-A

**HANDHELD TRANSMITTER**

**RF OUTPUT:** 10 mW (ERP)

**BATTERY LIFE:** >12 hours (2 x 1.5 V AA size batteries)

**SIZE/WEIGHT:** 258 x 36 dia. mm (10.1 x 1.4 in.)/245 g (8.7 oz.)

**BODYPACK TRANSMITTER**

**RF OUTPUT:** 10 mW (ERP)

**BATTERY LIFE:** >10 hours (2 x 1.5 V AA size batteries)

**SIZE/WEIGHT:** 92 x 65 x 20 mm (3.6 x 2.55 x 0.8 in.)/76 g (2.7 oz.)

**RECEIVER**

**AUDIO OUTPUTS:** balanced XLR: switchable to mic or line level, typ. 30 dB; unbalanced 1/4" jack: 0 dB; XLR: 6 dB

**SIZE/WEIGHT:** 210 x 170x 42 mm (8.3 x 6.7 x 1.65 in.)/470 g (16.6 oz.)

**BODYPACK RECEIVER PR 81**

**BATTERY LIFE:** >5 h (2 x 1.5 V AA size batteries)

**AUDIO OUTPUTS:** unbalanced line (pin 2): -6 dB into 600 Ω;

headphones (pin 3): 30 mW typ. into 15 to 100 Ω

**SIZE/WEIGHT:** 92 x 65 x 20 mm (3.6 x 2.55 x 0.8 in.)/80 g (2.8 oz.)



SR 300



HT 300  
shown with D 5900 WL/300



**WMS 300 UHF WIRELESS SYSTEM**

The WMS 300 wireless system has been designed specifically for professional users and provides an outstanding price/performance ratio. The modular system architecture ensures great flexibility for a multiplicity of applications. The WMS 300 will thus meet the requirements of the most discriminating professional users. A user-friendly frequency management system makes it easy to switch to an interference-free channel and set up a multichannel system.

**SR 300 RECEIVER**

- Rugged 19" case for easy rack mounting.
- 16 selectable carrier frequencies for interference-free multichannel operation.
- True Diversity technology and adjustable squelch for noise-free reception.
- Clear status display including RF and audio level, diversity, and mute indicators.
- Adjustable outputs: balanced XLR with MIC/LINE switch and unbalanced 1/4" LINE jack.
- Input for external booster or directional antenna for ranges longer than 100 m (330 ft.).

**HT 300 HANDHELD TRANSMITTER**

- Handheld transmitter for interchangeable microphone elements. Four microphone elements for different applications are available.
- Integrated antenna for optimized RF output and perfect transmission quality.
- Controls include frequency selector, on/off, and mute switches, input level control, audio overload and battery status indicators. Security covers for all controls prevent unintentional readjustment.
- Uses standard 1.5 V AA size dry or rechargeable batteries to keep operating cost low. Battery life exceeds 12 hours.

**MICROPHONE ELEMENTS AVAILABLE FOR THE HT 300**

D 3700 WL/300, D 3800 WL/300, C 5900 WL/300, C 535 WL/300

**PT 300 BODYPACK TRANSMITTER**

- Miniature bodypack transmitter with rugged metal case and dedicated input for all AKG "B-lock" type microphones.
- Controls include frequency selector, on/off, and mute switches, input level control, audio overload and battery status indicators. Security covers for all controls prevent unintentional readjustment.
- Uses standard 1.5 V AA size dry or rechargeable batteries to keep operating cost low. Battery life exceeds 12 hours.



D 3700 WL/300 D 3800 WL/300 C 535 WL/300 D 5900 WL/300

**MICROPHONES AVAILABLE FOR THE PT 300**

C 411/B, C 416/B, C 417/B, C 419/B, C 420/B, CK 77/WL 300, CK 97-C/WL 300, and MKG/B-lock instrument cable.

**AVAILABLE SYSTEMS**

**HANDHELD SYSTEM:** HT 300 without microphone element, SR 300 receiver, SA 43 stand adapter, AC adapter, batteries, instruction manual.

**BODYPACK SYSTEM:** PT 300 without microphone, SR 300 receiver, AC adapter, batteries, instruction manual.

**OPTIONAL SYSTEM COMPONENTS**

PS 300: Active wideband antenna splitter for up to eight receivers.

RA 300: Remote receiving antenna with integrated booster. The antenna is powered by the PS 300 antenna splitter via the antenna cable (remote powering).

SRA 1: UHF directional antenna for use with the SR 300 or PS 300.

RMU 2: 1 U rack mount kit for one or two SR 300 receivers.

RMU 2A: 2 U rack mount kit with integrated two-way passive splitter for one or two SR 300 receivers.

**OPTIONAL ACCESSORIES**

MK A 20 20-m (65-ft.) connecting cable, MK PS connecting cable for PS 61 and PS 81, CC 300 color coding kit, CH 60 carrying case.



PT 300

**SPECIFICATIONS**

**CARRIER FREQUENCY RANGE:** 766–805 MHz  
**MODULATION:** FM  
**AUDIO BANDWIDTH:** 70–20kHz  
**T.H.D.:** <0.8 %  
**SIGNAL/NOISE RATIO:** >100 dBa

**HANDHELD TRANSMITTER**  
**RF OUTPUT:** 10 mW (ERP)  
**BATTERY LIFE:** >12 hours (3 x 1.5 V AA size batteries)  
**SIZE/WEIGHT:** 245 x 36 dia. mm (9.6 x 1.4 in.)/245 g (8.7 oz.)

**BODYPACK TRANSMITTER**  
**RF OUTPUT:** 10 mW (ERP)  
**BATTERY LIFE:** >10 hours (3 x 1.5 V AA size batteries)  
**SIZE/WEIGHT:** 94 x 70 x 18 mm (3.7 x 2.8 x 0.7 in.)/650 g (23 oz.)

**RECEIVER**  
**AUDIO OUTPUTS:** balanced XLR and unbalanced 1/4" jack  
**SIZE/WEIGHT:** 210 x 170x 42 mm (8.3 x 6.7 x 1.65 in.)/470 g (16.6 oz.)

**AKG MAX LINE**

**WLS 6060 MAX/WLS 8060 MAX**

MAX is a compact powered loudspeaker with an integrated rechargeable battery for commercial wireless P.A. use. Easy to use and powerful, the system is the ideal choice for a wide variety of applications. AKG offers the following versions:

- WLS 6060/880, including an HT 60 VHF handheld transmitter and D 880 WL 1 microphone element
- WLS 6060/17, including an PT 60 VHF bodypack transmitter and C 417 L lavalier microphone
- WLS 8060/880, including an HT 80 UHF handheld transmitter and D 880 WL 1 microphone element
- WLS 8060/17, including an PT 80 UHF bodypack transmitter and C 417 L lavalier microphone
- WLS 6060 SR without transmitter as wireless slave box
- WLS 8060 SR without transmitter as wireless slave box
- LS 60 B battery powered active speaker without mixer as wired slave box

A rear panel three-channel mixer provides separate controls for the built-in wireless receiver, balanced microphone input, and unbalanced line level input. The 3-pin XLR microphone input provides 12 V phantom power so you can connect both dynamic and condenser microphones. The receiver section features a rotary switch that lets you select one of 15 different carrier frequencies and a squelch control. An effective two-band equalizer acts on both the two microphone inputs and the LINE input and allows you to cut or boost high and low frequency ranges separately.

A pair of RCA output jacks on the rear panel carry the mixer output signal and enable you to connect either a recorder or another MAX.



An integrated rechargeable battery allows the MAX to operate independently of AC power for up to 14 hours. The battery has no memory effect and the charging circuitry has been designed specifically to prevent overcharging and total discharge. This ensures an exceptionally long useful life of the battery.

A rugged enclosure and convenient carrying bag complete the system. A special stand and a rain protection cover for the MAX is available as an option.



Carrying bag  
CB 6060

HT 60/HT 80 +  
D 880 WL 1

WLS 6060 MAX/ WLS 8060 MAX

Gig bag

**THE HT SET COMPRISES:**

- WLS 6060 MAX/WLS 8060 MAX powered speaker
- HT 60/HT 80 handheld transmitter
- D 880 WL 1 microphone element
- CB 6060 carrying bag
- Gig bag
- 2 pcs. AA-size dry batteries
- Screw driver
- 2 antennas
- Instruction manual

Optional microphone heads:



D 3800 WL 1

C 535 WL 1



**THE PT SET COMPRISES:**

- WLS 6060 MAX/WLS8060 MAX powered speaker
- PT 60/PT 80 bodypack transmitter
- CB 6060 carrying bag
- Gig bag
- 2 pcs. AA-size dry batteries
- Screw driver
- 2 antennas
- Instruction manual

**SPECIFICATIONS**

**WLS 6060 MAX/WLS 8060 MAX  
WLS 6060 SR/WLS 8060 SR**

**AMPLIFIER POWER (RMS/PEAK):** 40/60 W  
**DRIVERS:** 1 x 8" and annular  
**DESIGN:** 2-way bass reflex  
**SENSITIVITY 1 W/1 m:** 96 dB  
**PEAK SOUND PRESSURE LEVEL:** 125 dB  
**RADIATION ANGLE (H x V):** 80° x 80°  
**MIXER INPUTS:** 1 internal input for wireless receiver  
                   1 balanced external mic input (1 kΩ)  
                   2 line inputs (10 kΩ)  
**PHANTOM POWER:** 12 V (on balanced mic input)  
**OUTPUTS:** 2 line out jacks (+12 dB/600 Ω) for recording or another WLS 6060  
**CONNECTORS:** balanced mic input: XLR  
                   line input for CD, cassette (stereo summed to mono): 2 RCA jacks  
                   MIX/REC OUT: RCA jacks  
                   antenna input: 2 x BNC  
**EQUALIZER:** bass/treble  
**PROCESSOR FUNCTIONS:** automatic speech filter  
                                   limiter with autotuning filter  
**SIZE (W x D x H):** approx. 240 x 500 x 270 mm (9.4 x 19.7 x 10.6 in.)  
**WEIGHT:** approx. 12 kg (26.5 lbs.) inc. battery and receiver  
**AC ADAPTER:** 230 V AC/24 V DC, 0.5 A  
**RECHARGEABLE BATTERY:** 12 V, approx. 7.2 Ah  
**BATTERY LIFE (SPEECH/MUSIC):** approx. 10–14 hours.

**LS 60 B**

**AMPLIFIER POWER (RMS/PEAK):** 40/60 W  
**DRIVERS:** 1 x 8" and annular  
**DESIGN:** 2-way bass reflex  
**SENSITIVITY 1 W/1 m:** 96 dB  
**PEAK SOUND PRESSURE LEVEL:** 125 dB  
**RADIATION ANGLE (H x V):** 80° x 80°  
**CONNECTORS:** balanced line input, 3-pin XLR  
                   line input: 2 RCA jacks  
**SIZE (W x D x H):** approx. 240 x 500 x 270 mm (9.4 x 19.7 x 10.6 in.)  
**WEIGHT:** approx. 12 kg (26.5 lbs.) inc. battery and receiver  
**AC ADAPTER:** 230 V AC/24 V DC, 0.5 A  
**RECHARGEABLE BATTERY:** 12 V, approx. 7.2 Ah  
**BATTERY LIFE (SPEECH/MUSIC):** approx. 10–14 hours.

LS 60 B



	HT 60	PT 60	HT 80	PT 80
	INCL. D 880 WL 1 MICROPHONE HEAD		INCL. D 880 WL 1 MICROPHONE HEAD	
<b>CARRIER FREQUENCY:</b>	169–206 MHz		710–764 MHz	
<b>MODULATION:</b>		FM		
<b>AUDIO BANDWIDTH:</b>		50–20kHz		
<b>POLAR PATTERN:</b>	supercardioid		supercardioid	
<b>FREQUENCY STABILITY:</b>		–10 to +45 °C (14 to 122 °F) ±10 ppm		
<b>RATED DEVIATION:</b>		30 kHz		
<b>T.H.D. at 1 kHz:</b>	<0,8 %		<0,5 %	
<b>COMPANDER:</b>		Yes		
<b>SIGNAL/NOISE RATIO:</b>		typ. 50 dB		
<b>LIMITER:</b>		Yes		
<b>RF OUTPUT:</b>		10 mW		
<b>CURRENT CONSUMPTION:</b>	typ. 120 mA	150 mA	typ. 130 mA	145 mA
<b>POWER REQUIREMENT:</b>		2 x 1.5 V AA size batteries		
<b>BATTERY LIFE:</b>	>12 hours	>10 hours	>10 hours	>8 hours
<b>INPUT IMPEDANCE:</b>		220 kΩ		
<b>MICROPHONE POWERING:</b>		6 V at pin 3		6 V at pin 3
<b>SIZE (W x D x H):</b>	240 x 36 dia. mm (9.4 x 1.4 in.)	92 x 65 x 20 mm (3.5 x 2.5 x 0.8 in.)	240 x 36 dia. mm (9.4 x 1.4 in.)	92 x 65 x 20 mm (3.5 x 2.5 x 0.8 in.)
<b>NET WEIGHT:</b>	245 g (8.7 oz.)	76 g (2.7oz.)	245 g (8.7 oz.)	76 g (2.7oz.)



## IN-EAR MONITORING

### IVM 1 INDIVIDUAL VIRTUAL MONITOR SYSTEM

The good news is that in-ear monitor (IEM) technology has significantly improved the performance of on-stage monitor mix systems. The bad news has been a localizing of the mix in the center of the artist's head rather than a more dimensional mix from the outside. This psycho-acoustic phenomenon is known as "in-head localization of sound (IHL)", which has prevented the artist from hearing a natural representation of the on-stage mix - until now.

AKG, recognized as a leader in studio technology by top studio musicians, engineers and producers for more than 50 years, now introduces the future in live-performance in-ear monitor technology with its new Individual Virtual Monitor (IVM) system. The AKG IVM System provides all the benefits of a conventional IEM system but dramatically improves your ability to hear the on-stage mix and hear it with dimension (i.e. it eliminates IHL).

The AKG IVM System establishes a new state-of-the-art in on-stage monitoring. Its binaural processing allows you to experience the live, on-stage feeling of conventional monitors while eliminating the negatives, such as feedback and loud on-stage levels from traditional wedges and side-fill monitors. It allows the monitor engineer to precisely control what is heard by each performer on stage and enables you to control your personal listening level as well.

The net result is lower stage volume and better front-of-house sound quality.

Individual Virtual Acoustics (IVA) also implement the possibility of individual earcurve measurement. The individual earcurve parameters can be added to the standard earcurves. Please contact AKG Acoustics for further information.

#### COMPONENTS:

- SST 1 stereo transmitter
- SPR 1 stereo pocket receiver
- IP 1 Miniature earphone, ear-bud for exceptionally wide frequency range provides clear, crisp high-end and a powerful, punchy low-end.

#### SPECIFICATIONS

##### SPR 1 STEREO BODYPACK RECEIVER

**IVM 1 CARRIER FREQUENCIES:** 16 frequencies within the 766 to 952 MHz UHF range

**SELECTION BANDWIDTH:** up to 20 MHz

**ANTENNA:** screw-on type

**RATED DEVIATION:** ±30 kHz for 1-kHz sine-wave audio signal

**T.H.D. AT 1kHz:** <1 % at rated deviation (L=R: 0.6 % typ.)

**DYNAMIC RANGE:** 100 dB typ.

**AUDIO OUTPUT:** mini stereo jack, adjustable from 0 to 0.8 V rms into 50 Ω

**CURRENT CONSUMPTION:** 160 mA typ.

**POWER SUPPLY:** 3 x 1.5 V AA size batteries

**SIZE (EXCL. ANTENNA):** 69 x 18 x 94 mm/2.7 x 0.7 x 3.7in. (W x H x D)

**NET WEIGHT:** 136 g/4.8 oz.

**MONO/STEREO THRESHOLD:** -80 dBm typ.

**CHANNEL SEPARATION:** >40 dB

**SQUELCH THRESHOLD:** -95 dBm (fixed)

**BATTERY STATUS INDICATIONS:** POWER LED lights green: battery voltage O.K.  
POWER LED blinking green: battery voltage below 3.25 V

**PEAK LED:** 0-100 mV: dark/100 mV - 2V rms: green/>2 V rms: red

##### IVM 1 SYSTEM

**SHIPPING WEIGHT:** approx. 3 kg (7.4 lbs.)

**PACKAGE SIZE (L x W x H):** 410 x 310 x 90 mm (16.1 x 12.2 x 3.5in.)

**TEMPERATURE RANGE:** -10 °C to +55 °C

##### SST 1 STATIONARY STEREO TRANSMITTER

**IVM 1 CARRIER FREQUENCIES:** 16 frequencies within the 766 to 952 MHz UHF range

**SELECTION BANDWIDTH:** up to 20 MHz

**RF RADIATION:** 50 mW +1 dB/-2 dB

**T.H.D. AT 1kHz:** 0.5 % at rated deviation

**SIGNAL/NOISE:** 80 dB A

**INPUT LEVEL:** 80 dBm max., adjustable

**INPUT IMPEDANCE:** >22 kΩ

**CURRENT CONSUMPTION:** 0.4 to 0.8 A

**POWER REQUIREMENT:** 100 to 240 VAC, 50/60 Hz

**SIZE (W x D x H):** 210 x 283 x 41 mm/8.3 x 11.1 x 1.6 in. (incl. controls, excl. antenna)

**NET WEIGHT:** 1860 g (4.1 lbs.)

**LEVEL LEDs:** <-50 dBV dark/>-50 dBV green/-8 dBV orange (limiter

Threshold)/>16 dBV red

**ASIC CHIP INTERNAL/COMPUTING ACCURACY:** 24-bit (144 dB dynamic range)

##### IP 1 IN-EAR PHONES

**TYPE:** dynamic

**FREQUENCY RANGE:** 20-20kHz

**SENSITIVITY:** >100 dB/mW

**POWER HANDLING CAPABILITY:** 50 mW

**RATED IMPEDANCE:** 50 Ω

**WEIGHT (INCL. CABLE):** 20 g (0.7 oz.)

**CABLE:** 1.5 m (5 ft.), Y-connected

**CONNECTOR:** stereo mini jack plug

## CS 1 CONFERENCE SYSTEM

The CS 1 brings the superior audio quality AKG is famous for to conference systems. It is quick and easy to install using single-cable daisy-chain wiring. The system comprises four components. The CS BU 1 Base Station controls up to 100 Microphone Stations. For larger systems, an Extension Unit called CS EU 1 is available. It powers another 100 Microphone Stations. Four different Microphone Stations are currently available. The CS CU Chairman Station with priority button and CS DU Delegate Station. The CS CU Chairman and CS DU Delegate Stations include no microphone and can be used with any Discreet Acoustics Modular Series capsule.



### CS BU 1 BASE STATION

The CS BU 1 controls up to 100 Microphone Stations connected to four rear panel delegate line sockets. The Base Station also provides inputs and outputs for external audio equipment such as recording devices, PA systems, teleconferencing systems, etc. All ins and outs have separate level controls. A switchable voice control function opens microphones automatically when they are spoken into. In addition, NOM limitation allows you to limit the number of open microphones at any time to between one and five. This can help keep discussions orderly and efficient.

### CS EU 1 EXTENSION UNIT

To set up a system with more than 100 Microphone Stations all you need to do is connect a CS EU 1 Extension Unit to one of the four delegate line sockets on the rear panel of the CS BU 1. The added Microphone Stations (up to 100) will be powered by the CS EU 1 Extension Unit and controlled by the CS BU 1 Base Unit. You can also cascade several Extension Units to add even more Microphone Stations.

### CS CU CHAIRMAN STATION AND CS DU DELEGATE STATION

The CS CU Chairman Station and CS DU Delegate Station feature a Discreet Acoustics Modular Series goose-neck for connecting any Discreet Acoustics Modular Series Capsule Module as well as a built-in near-field loudspeaker. They provide the following individually adjustable functions: voice or pushbutton control, automatic muting after long

pauses, NOM limitation, status LED ring, etc. The Chairman Stations also provide a priority key for activating the system's three-level priority mode. Single-cable daisy-chain wiring enables you to create large systems quickly and easily - ideal for hotel seminar rooms and the like where temporary systems need to be set up quickly in changing configurations.



#### SPECIFICATIONS

##### CS BU 1

- FREQUENCY RANGE : 20–20kHz
- S/N RATIO: >70 dB
- AUDIO INPUT LEVELS
  - DISCUSSION (SUMMED) : +16 dB
  - BALANCED LINE IN: –10 to +6 dB
  - AUX IN: –20 to +6 dB
- AUDIO OUTPUT LEVELS
  - MICROPHONE STATION SPEAKERS: 0 dB
  - BALANCED LINE OUT: –20 to +6 dB
- CONNECTORS
  - STATION IN/OUT: 4 x 12-pin male BERG LNL
  - BALANCED INPUTS: female 3-pin XLR
  - BALANCED OUTPUTS: male 3-pin XLR
  - UNBALANCED INPUTS AND OUTPUTS: RCA jacks
- AC VOLTAGE: 115/230 V AC, 50–60 Hz

- POWER CONSUMPTION: 250 VA
- Size (W x D x H): 450 x 250 x 44 mm (18 x 10 x 1.7 in.)
- WEIGHT: approx. 6 kg (13 lbs.)

##### CS CU/CS DU MICROPHONE STATIONS

- PREAMPLIFIER
  - FREQUENCY RANGE: 20–15kHz
  - T.H.D.: <0,1%
  - S/N RATIO: >106 dB
- POWER AMPLIFIER
  - POWER: 1 W
  - FREQUENCY RANGE: 100–18kHz
  - S/N RATIO: >97 dB
- CURRENT CONSUMPTION
  - STANDBY: approx. 30 mA
  - OPERATING: approx. 70 mA
- POWER REQUIREMENT: 22–36 V DC

## MICROPHONES IN THE RECORDING STUDIO

APPLICATION	BUDGET	PROFESSIONAL	PREMIUM
SPOKEN VOICE	C 577, C 747 comb, C 3000 B	C 535 EB, C 4000 B, SolidTube	C 414 B-TL II
LEAD/SOLO VOCALS	C 535 EB, C 1000 S, C 2000 B	C 3000 B, C 4000 B, SolidTube	C 414 B-TL II, C 12 VR
BACKING VOCALS	C 1000 S, C 2000 B	C 535 EB, C 3000 B, C 400 OB	C 414B-ULS, C 426 B comb
ACOUSTIC GUITAR	C 411, C 577, C 747 comb, C 1000 S, C 2000 B	C 3000 B, C 4000 B, SolidTube	C 414 B-TL II
ELECTRIC GUITAR AMP	D 112, C 391 B, C 3000 B	C 4000 B, SolidTube	C 414 B-ULS
DOUBLE BASS	DB-1, D 112	C 480 B-ULS/61, C 4000 B, SolidTube	C 414 B-ULS
BASS GUITAR AMP	D 112	C 4000 B, SolidTube	C 414 B-ULS
VIOLIN	C 577, C 747 comb, C 1000 S, C 2000 B	C 480 B-ULS/61, C 3000 B, C 4000 B	C 414 B-ULS, C 12 VR
CELLO	C 577, C 747 comb, C 1000 S, C 2000 B	C 480 B-ULS/61, C 3000 B, C 4000 B	C 414 B-ULS, C 12 VR
ZITHER	C 577, C 1000 S, C 2000 B	C 747 comb, C 3000 B, C 480 B-ULS/61	C 414 B-TLII
GRAND PIANO (CLASSIC)	C 3000 B	C 4000 B, SolidTube	C 414 B-ULS, C 12 VR
GRAND PIANO (ROCK & JAZZ)	2 x C 577, 2 x C 391 B, 2 x C 2000 B	2 x C 562 BL, 2 x C 3000 B, 2 x C 4000 B	2 x C 414 B-ULS
UPRIGHT PIANO	2 x C 577, 2 x C 2000B	2 x C 535 EB, 2 x C 3000 B, 2 x C 4000 B, 2 x C 480 B-ULS/61	2 x C 414 B-ULS
TRUMPET	C 391 B, C 2000 B	C 3000 B, C 4000 B, SolidTube	C 414 B-ULS
SAXOPHONE	C 391 B, C 2000 B	C 535 EB, C 3000 B, C 4000 B, SolidTube	C 414 B-ULS
TROMBONE	D 112, C 3000 B	C 535 EB, C 4000 B, SolidTube	C 414 B-ULS
FRENCH HORN	C 391 B, C 2000 B	C 535 EB, C 3000 B, C 4000 B, SolidTube	C 414 B-ULS
TUBA	C 577, C 3000 B	C 535 EB, C 4000 B, SolidTube	C 414 B-ULS
CLARINET	C 391 B, C 2000 B	C 535 EB, C 3000 B, C 4000 B	C 414 B-ULS
FLUTE	C 577, C 2000 B	C 480 B-ULS/61, C 3000 B, C 4000 B	C 414 B-ULS
HARMONICA	C 577, C 1000 S, C 2000 B	C 535 EB, C 3000 B, C 4000 B	C 414 B-ULS
BONGOS	C 391 B, C 1000 S, C 2000 B	C 747 comb, C 3000 B, C 480 B-ULS/61	C 414 B-ULS
CONGAS	C 1000 S, C 2000 B	C 747 comb, C 3000 B, C 480 B-ULS/61	C 414 B-ULS
BASS DRUM	D 112	C 547 BL, C 4000 B, C 562 BL	SolidTube, C 414 B-ULS
SNARE DRUM	C 1000 S, C 2000 B	C 547 BL	C 747 comb
TOM-TOMS	D 112, C 1000 S, C 2000 B	C 3000 B, C 4000 B	C 414 B-ULS
CYMBALS	C 391 B, C 1000 S, C 2000 B	C 3000 B, C 4000 B, C 480 B-ULS/61	C 414 B-ULS
HI-HAT	C 391 B, C 1000 S, C 2000 B, C 535 EB	C 3000 B, C 4000 B	C 480 B-ULS/61

## MICROPHONES ON STAGE

APPLICATION	BUDGET	PROFESSIONAL	PREMIUM
LEAD VOCALS	D 660 S, WMS 40	C 420, D 880, D 3700, D 3800, WMS 60/80	C 535, C 5900, WMS 61/81/300
BACKING VOCALS/CHOIR	D 50 S, D 660 S	C 420, C 5900, D 880, D 3700, D 3800	C 535
UPRIGHT PIANO	2 x D 770	C 411+C 1000 S, C 2000 B, 2 x C 416, 2 x C 391	C 547, 2 x C 3000 B
ACOUSTIC STRING INSTRUMENTS	D 50 S, D 770, D 440, WMS 40	C 411, C 1000 S, C 2000 B, WMS 60/80	C 3000 B, C 4000 B, WMS 61/81/300
WIND INSTRUMENTS	D 60 S, D 660 S, D 770, D 440, WMS 40	C 419, C 1000 S, C 2000 B, C 3000 B, WMS 60/8061/81	C 4000 B, WMS 300
GUITAR AMP	D 660 S, WMS 40	D 440, D 770, C 416, C 2000 B, WMS 60/80/61/81	C 3000 B, C 4000 B, WMS 300
BASS GUITAR AMP	D 770, WMS 40	D 550, C 416, WMS 60/80/61/81	D 112, WMS 300
UPRIGHT BASS	D 770	D 550, D 112	DB 1
HOME RECORDING	D 660 S, D 770	D 880, D 112, C 1000 S, C 2000 B, C 3000 B	C 414, C 4000 B, SolidTube
SNARE DRUM	D 60 S, D 660 S	C 418, D 440, D 770	C 747, C 1000 S
BASS DRUM	D 60 S, D 660 S	D 112, D 550, D 770	C 547
CYMBALS/HI-HAT	D 770	C 1000 S, C 2000 B, C 391, C 535, C 3000 B	C 414, C 4000 B
TOM-TOMS/PERCUSSION	D 60 S, D 660 S	D 440, D 770, D 550, C 418, D 112, C 1000 S	C 2000 B, C 3000 B
GUITAR/BASS AMP	WMS 40	WMS 60/80/61/81	WMS 300

## COMMERCIAL SOUND SYSTEM

APPLICATION	BUDGET	PROFESSIONAL	PREMIUM
<b>CONFERENCING/PODIUM DISCUSSIONS</b>			
CEILING MOUNT/CHOIR – HANGING	HM 1000+CK 80	HM 1000+CK 31/CK 33	HM 1000+CK 47
CEILING MOUNT/CHOIR – BOUNDARY LAYER	C 400 BL		C 562 CM
HANDHELD – WIRELESS	WMS 60/80 HT Set+D 880 WL 1	WMS 61/81 HT Set+D 3700 WL 1	WMS 300+C 535
HANDHELD – WIRED	D 660 S	D 880 S	C 535
LAVALIER/HEADSET – FOR WIRELESS SYSTEMS	WMS 60/80 PT-Set+C 444 L	WMS 61/81 PT Set+C 444 L	WMS 300 PT-Set+C 420 B-lock
LAVALIER/HEADSET – WIRED		C 417	C 444+MPA 3 C 420
STANDING/ON TABLE – BOUNDARY LAYER	C 400 BL	C 680 BL	C 547 BL
STANDING/ON TABLE – GOOSENECK	GN+CK 80	GN+CK 31/CK 33	GN+CK 47

## THEATERS/MULTI PURPOSE HALLS

CEILING MOUNT/CHOIR – HANGING	HM 1000+CK 80	HM 1000+CK 31/CK 33	HM 1000+CK 47
CEILING MOUNT/CHOIR – BOUNDARY LAYER	C 400 BL		C 562 CM
HANDHELD – WIRELESS	WMS 60/80 HT Set+D 880 WL 1	WMS 61/81 HT Set+D 3700 WL 1	WMS 300+C 535 WL
HANDHELD – WIRED	D 660 S	D 880 S	C 535
LAVALIER/HEADSET – FOR WIRELESS SYSTEMS	WMS 60/80 PT-Set+C 417 L	WMS 61/81 HT Set+CK 97 L	WMS 300 PT-Set+CK 77 WR-L
LAVALIER/HEADSET – WIRED	C 417	SE 300 B+CK 97	C 577 WR
STANDING/ON TABLE – BOUNDARY LAYER	C 400 BL	C 680 BL	C 547 BL
STANDING/ON TABLE – GOOSENECK	GN+CK 80	GN+CK 31/CK 33	GN+CK 47

## HOUSES OF WORSHIP

ALTAR/PULPIT – BOUNDARY LAYER		C 400 BL	C 680 BL C 547 BL
ALTAR/PULPIT – GOOSENECK	GN+CK 80	GN+CK 31/CK 33	GN+CK 47
CEILING MOUNT/CHOIR – HANGING	HM 1000+CK 80	HM 1000+CK 31/CK 33	HM 1000+CK 47
HANDHELD – WIRELESS	WMS 60/80 HT Set+D 880 WL 1	WMS 61/81 HT Set+D 3700 WL 1	WMS 300+C 535 WL
HANDHELD – WIRED	D 660 S	D 880 S	C 535
LAVALIER – WIRELESS	WMS 60/80 PT-Set+C 417 L	WMS 61/81 HT Set+CK 97 L	WMS 300 PT-Set+CK 77 WR-L
LAVALIER – WIRED	C 417	SE 300 B+CK 97	C 577 WR

LEISURE CENTERS, MALLS,  
PUBLIC BUILDINGS, CLUBS, BARS,...

CEILING MOUNT/CHOIR – HANGING	HM 1000+CK 80	HM 1000+CK 31/CK 33	HM 1000+CK 47
CEILING MOUNT/CHOIR – BOUNDARY LAYER	C 400 BL		C 562 CM
HANDHELD – WIRELESS	WMS 60/80 HT Set+D 880 WL 1	WMS 61/81 HT Set+D 3700 WL 1	WMS 300+C 5900 WL 1
HANDHELD – WIRED	D 660 S	D 880 S	C 5900
HEADSET – WIRELESS	WMS 60/80 PT-Set+C 444 L	WMS 61/81 PT Set+C 444 L	WMS 300 PT-Set+C 420 B-lock
HEADSET – WIRED		C 444 L+MPA 3	C 420
STANDING/ON TABLE – BOUNDARY LAYER	C 400 BL	C 562 BL	C 547 BL
STANDING/ON TABLE – GOOSENECK	GN E+CK 80	GN E+CK 31/CK 33	GN E+CK 47



### K 501 PROFESSIONAL HEADPHONES

The K 501s are concert hall headphones designed for lovers of classical music. The unique Varimotion System™ technology provides perfect spatial separation and an outstanding sound resolution, resulting in a superbly defined sound.

#### SPECIFICATIONS

**TYPE:** Open-air, circumaural  
**FREQUENCY RANGE:** 16–30kHz  
**SENSITIVITY:** 94 dB/mW  
**RATED IMPEDANCE:** 120 Ω  
**WEIGHT:** 235 g (8.3 oz.)

### K 401 PROFESSIONAL HEADPHONES

The K 401s provide everything rock and pop music fans want to hear: tight, powerful bass; crystal-clear sound quality; and impressive power. The low frequency performance is enhanced by the Varimotion System™ technology, resulting in a powerful overall sound.

#### SPECIFICATIONS

**TYPE:** Open-air, circumaural  
**FREQUENCY RANGE:** 18–28kHz  
**SENSITIVITY:** 94 dB/mW  
**RATED IMPEDANCE:** 120 Ω  
**WEIGHT:** 230 g (8.1 oz.)



### K 301 HEADPHONES

In the K 301s, the oscillatory behavior of the diaphragm has been completely redesigned, with high internal attenuation suppressing unwanted partial oscillations. This has been made possible by a very finely structured diaphragm sound zone. Music lovers of any style will enjoy the balanced tonal response.

#### SPECIFICATIONS

**TYPE:** Open-air, circumaural  
**FREQUENCY RANGE:** 20–25kHz  
**SENSITIVITY:** 94 dB/mW  
**RATED IMPEDANCE:** 100 Ω  
**WEIGHT:** 230 g (8.1 oz.)

### NEW: THE AKG VARIMOTION SYSTEM™

This idea revolutionized headphones, and AKG holds the patent. The Varimotion System™ uses a diaphragm whose thickness is not uniform throughout. In the center – the sound zone – it is thicker. Therefore, it moves like a piston and prevents unwanted partial oscillations. The result is a more spacious and airy sound in the high frequency range.

Along the surround – the motion zone – the diaphragm is thinner, more flexible, and more agile. The result is a more powerful, punchy bass sound. The top-of-the-line K 501 uses the thickest foil (80 μm) for even more stable vibration performance. In addition, the K 501 diaphragms are hand selected and have trapezoidal corrugations for superior sonic performance.

### K270S DUAL TRANSDUCER PARABOLIC HEADPHONES

The patented Parabolic Transducer Array in the K270S has two optimized transducers in each earcup, both precisely configured in a tuned enclosure to focus sound waves at the entrance to the ear. The result is a dramatically increased perception of spaciousness, extremely accurate response, and no audible distortion at output levels far beyond the capability of single transducer headphones. This, combined with the enclosed design, makes the K270S an ideal choice in situations where quality monitoring is required in competition with high ambient levels, such as for live or studio drummers. A micro-switch built into the self-adjusting headband disconnects the audio circuit whenever the headphones are removed, preventing potentially damaging feedback or leakage when “hot” headphones are suddenly exposed to open microphones.



#### SPECIFICATIONS

**TYPE:** Sealed, Circumaural, Parabolic  
**FREQUENCY RANGE:** 20Hz to 28kHz  
**SENSITIVITY:** 92dB/mW  
**RATED IMPEDANCE:** 75Ω  
**WEIGHT:** 270g (9.5 oz.)

### K240DF PROFESSIONAL HEADPHONES

The K240DF follows the criteria specified by the Institute of Radio Technology (IRT) in Munich for a “diffuse field” equalization curve that provides headphone listeners with the sound pattern, characteristic of a room with reflective, non-anechoic surfaces. Each K240DF is rigorously tested to assure strict adherence to the IRT standards for frequency response, channel separation, and sensitivity. Hand-selected and matched components are used to maintain extremely close tolerances. The K240DF is a particularly appropriate choice if a producer or engineer must use headphones when mixing or adding signal processing on material that will be heard later through loudspeakers. Self-adjusting headband and circumaural (around the ear) pads ensure long term wearing comfort without fatigue.



#### SPECIFICATIONS

**TYPE:** Semi-open, Circumaural  
**FREQUENCY RANGE:** 15Hz to 20kHz  
**SENSITIVITY:** 88dB/mW  
**RATED IMPEDANCE:** 600Ω  
**WEIGHT:** 240g (8.5 oz.)



#### SPECIFICATIONS

**TYPE:** Semi-open, Circumaural  
**FREQUENCY RANGE:** 15Hz to 20kHz  
**SENSITIVITY:** 88dB/mW  
**RATED IMPEDANCE:** 600Ω  
**WEIGHT:** 240g (8.5 oz.)

### K240M PROFESSIONAL HEADPHONES

AKG engineers continually strive to integrate improvements in performance and durability while carefully maintaining the K240M's familiar sonic signature. The “integrated semi-open air” design incorporates a highly accurate dynamic transducer, and an acoustically tuned venting structure behind the element produces a naturally open sound quality. The circumaural (around-the-ear) pads are designed for hours of wearing comfort, while the steel-cable, self-adjusting headband construction and single-sided professional quality audio interconnect ensure extended reliability in demanding professional studio applications.



**K141M PROFESSIONAL HEADPHONES**

A proven "workhorse" throughout the recording industry, K141M serves as the reference standard for supra-aural (on-the-ear) monitor headphone designs.

A small coupling volume in the ear cup, combined with an "integrated semi-open" venting system behind the transducer, gives the K141M its trademark sound: punchy, accurate and crisply defined. The K141M will deliver high sound pressure levels without distortion, and it is solidly built to withstand around-the-clock session use. Flexible steel cable frame and self-adjusting headband adapt to virtually any head shape instantly.

**SPECIFICATIONS**  
**TYPE:** Semi-open, Supra-aural  
**FREQUENCY RANGE:** 20Hz to 20kHz  
**SENSITIVITY:** 98dB/mW  
**RATED IMPEDANCE:** 600Ω  
**WEIGHT:** 225g (7.9 oz.)

**K 100**

A brilliant sound performance, recyclable material construction, comfortable headband, changeable and easy-to-clean ear pads, and an exclusive leather headband make the K Series outstanding headphones.

**SPECIFICATIONS**  
**TYPE:** Semi-open, supra-aural  
**FREQUENCY RANGE:** 20–28kHz  
**SENSITIVITY:** 103 dB/mW  
**RATED IMPEDANCE:** 100 Ω  
**WEIGHT:** 190 g (6.7 oz.)

**K70 Headphones**

The K70 is a lightweight monitor quality headphone that offers many of the features found in our professional format headphones. Lightweight, self-adjusting, comfortable over many hours of use, and replaceable ear pads, all in a semi-professional cost effective format. The K70 offers premium audio quality at a price affordable to most consumers.

**SPECIFICATIONS**  
**TYPE:** Semi-Open, Circumaural  
**FREQUENCY RANGE:** 20Hz - 20kHz  
**SENSITIVITY:** 105dB/mW  
**RATED IMPEDANCE:** 100Ω  
**WEIGHT:** 7.8 oz.

**K 66**

Elegant, genuine hi-fi stereo headphones, the K 66 stand out from good value headphones. The K 66 combine excellent wearing comfort with superior sound and optimum price/performance. With the proven AKG self-adjusting headband, soft circumaural leatherette ear pads, low weight, and flexibly suspended earphones, the K 66 will conform perfectly to the head and fit comfortably. The unique AKG styling makes the K 66 an eye-catcher and the semi-open earphones provide an airy sound. AKG Natural Sound technology using large, high performance 40-mm (1.6-in.) transducers ensures superior sound quality for perfect listening enjoyment.

**SPECIFICATIONS**  
**TYPE:** Semi-open, circumaural  
**FREQUENCY RANGE:** 18–22kHz  
**SENSITIVITY:** 96 dB/mW  
**RATED IMPEDANCE:** 32 Ω  
**WEIGHT:** 210 g (7.4 oz.)  
**MAX. INPUT POWER:** 200 mW  
**DISTORTION:** <1 %  
**CABLE:** single cord, 3 m (10 ft.) long  
**STEREO ADAPTER:** 3.5/6.3 mm (1/8" to 1/4")

**K 55**

The K 55 stand out from "good value" headphones by their truly exceptional price/performance ratio. These big, elegant headphones provide both excellent comfort and superior sound. Large 40-mm (1.6-in.) "Turbo Bass" transducers deliver an uncommonly powerful bass range and a clean high end for unparalleled listening pleasure. The closed, circumaural earphone design adds to low-end power. The unique AKG styling makes the K 55 an eye-catcher while low weight, soft circumaural leatherette ear pads, a self-adjusting headband, and flexibly suspended earphones ensure a secure, comfortable fit.

**SPECIFICATIONS**  
**TYPE:** Sealed, circumaural  
**FREQUENCY RANGE:** 16–20kHz  
**SENSITIVITY:** 96 dB/mW  
**RATED IMPEDANCE:** 32 Ω  
**WEIGHT:** 210 g (7.4 oz.)  
**MAX. INPUT POWER:** 200 mW  
**DISTORTION:** <1 %  
**CABLE:** single cord, 3 m (10 ft.) long  
**STEREO ADAPTER:** 3.5/6.3 mm (1/8" to 1/4")

**K 44**

The K 44 stand out from all other affordable stereo headphones for their incredible price/performance ratio and unique AKG styling. Low weight, soft, circumaural leatherette ear pads, a self-adjusting headband, and gimbal suspended earphones ensure outstanding wearing comfort and an easy fit.

**SPECIFICATIONS**  
**TYPE:** closed-back, circumaural headphones  
**FREQUENCY RANGE:** 18–20kHz  
**SENSITIVITY:** 96 dB/mW  
**IMPEDANCE:** 32 Ω  
**WEIGHT:** approx. 190 g (6.7 oz.)  
**POWER HANDLING CAPABILITY:** 200 mW  
**DISTORTION:** <1 %  
**CABLE:** single cable approx. 2.5 m (8 ft.) long  
**STEREO ADAPTER:** mini jack / 1/4" jack



**KM260/1 BLACK  
KM260/1 CHROME**

Floor stand with heavy cast iron base. Inserted rubber ring for noise suppression. Two-section telescopic pole with durable clutch. Available in chrome or matte black finish.

Ht: 34.25/61.8 in. (870/1570 mm)

Base: 9.8 in. (250 mm) dia.

Net weight: 13.2 lbs. (6.0 kg).



**KM265 BLACK**

Lightweight tripod floor stand. Two-section telescopic pole with durable clutch. Available in matte black finish.

Ht: 34.25/61.8 in. (870/1570 mm)

Net weight: 3.6 lbs. (1.6 kg)



**KM201A/2 CHROME • KM201A/2 BLACK**

Heavy-duty tripod floor stand with extra long legs and heavy-duty base. Two section telescopic pole with noiseless clutch. Available in chrome or matte black finish.

Ht: 35/63 in. (890/1600 mm)

Net weight: 5.7 lbs. (2.6 kg)



**KM251 CHROME • KM251 BLACK**

Heavy-duty tripod floor stand similar to KM201A/2, but with three-sections. Noiseless clutch. Available in chrome or matte black finish.

Ht: 23/53 in. (584/1346 mm)

Net weight: 5 lbs. (2.27 kg)



**KM211/6 BLACK**

A short, adjustable one-piece boom with noiseless, non-marring locking assembly. Easy to tighten wing nuts provides smooth adjustments. Available in black only.

Length: 15.6 in. (395 mm)

Net weight: 1.1 lbs. (0.5 kg)



**KM211 CHROME • KM211 BLACK**

Adjustable one-piece boom with noiseless, non-marring locking assembly. Available in chrome or matte black finish.

Boom length: 33.1 in. (840 mm)

Net weight: 2.0 lbs. (0.9 kg)



**KM211/1 CHROME • KM211/1 BLACK**

Adjustable two-section boom. Noiseless adjustment and non-marring locking assembly. Available in chrome or matte black finish.

Boom length: 18.1/30.1 in. (460/765 mm)

Net weight: 1.7 lbs. (0.75 kg)



**KM211/2 BLACK**

Extra long adjustable two-section boom. Noiseless adjustment and non-marring locking assembly. Available in matte black finish.

Boom length: 22.5/38.25 in. (572/972 mm)

Net weight: 2.0 lbs. (0.91 kg)



**KM277 BLACK**

A lightweight tripod stand and boom built to K&M's demanding standards. Features include a fiberglass reinforced base, two-section telescope pole with durable clutch and a one piece adjustment boom. Available in black only.

Height: 33.5/58.3 in. (850/1480 mm)

Boom length 31.9 in. (810 mm)

Net weight: 4.9 lbs. (2.2 kg)



**KM210/6 BLACK**

Lightweight tripod floor stand with sturdy zinc diecast base. Two-section telescopic pole with durable clutch. Provided with one-piece adjustable boom. Available in matte black finish.

Ht: 38.2/65.9 in. (970/1675 mm)

Boom length: 31.5 in. (800 mm)

Net weight: 6.4 lbs. (2.9 kg)



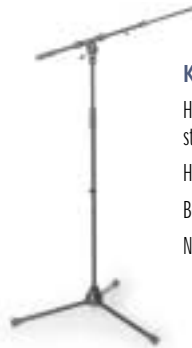
**KM210/91 CHROME • KM210/91 BLACK**

Heavy-duty stand and boom combination consisting of the KM201A/2 tripod floor stand and KM211/1 telescopic boom. Available in chrome or matte black finish.

Ht: 35/63 in. (890/1600 mm)

Boom length: 18.1/30.1 in. (460/765 mm)

Net weight: 7.3 lbs. (3.3 kg)



**KM210/21 CHROME • KM210/21 BLACK**

Extra tall heavy-duty floor stand designed for studios and drummers. Cast-iron base with folding legs. Two section telescopic pole with noiseless clutch. Extra long boom. Available in chrome or matte black finish.

Ht: 43.3/79.5 in. (1100/2020 mm)

Boom length: 42.1 in. (1070 mm)

Net weight: 12.5 lbs. (5.65 kg)



**KM259 BLACK**

Low profile tripod floor stand. Two-section telescopic pole with durable clutch. Complete with KM211/1 boom. Available in matte black finish.

Ht: 16.8/25.6 in. (425/645 mm)

Boom length: 18.6/30.7 in. (470/775 mm)

Net weight: 5.1 lbs. (2.3 kg)



**MICROPHONE TABLE STANDS & ACCESSORIES**



**ST 5/3**  
Keystone base, two-tiered table stand with isolation rubber bumpers. Color: black



**ST 305**  
Heavy-duty stand with shock isolation pad. 16 cmØ (6.3 in. Ø)  
Net/Shipping weight: 2,350/2,600 g (5.2/5.7 lb.)  
Color: gray

**SHZ 80**  
Slotted screw link for C 747



**PS 3 F-LOCK**  
Locking XLR connector for E-version goosenecks.

**SA 40**  
For straight shaft microphones and goosenecks (with A 608 reduction)



**SA 41/1**  
For tapered shaft microphones

**SA 43**  
For C 1000 S and wireless microphones



**SA 44**  
For Performer Series and Emotion Series microphones

**SA 47**  
For use with C 747



**H 15/T**  
Shock mount for use with C 12 VR



**H 15/33**  
Shock mount for use with C 426 B



**H 30**  
Universal shock mount for use with all microphones



**H 31**  
Clamp for use with CK 97/C and LM 3

**ST 45**  
Low profile stand with off-center mount, rubber shock mount feet. 114Ø x 11 mm (4.5Ø x 0.4 in.) Net/Shipping weight: 740/760 g (1.6/1.7 lb.) Color: gray



**ST 46**  
Miniature stand for small mics. 74 mmØ (2.9" diameter)  
Net/Shipping weight: 315/350 g (11.1/12.3 oz.)  
Color: gray



**GOOSENECKS & ACCESSORIES**



**MSH 80**  
Long low profile optional gooseneck for C 747. 390 mm (15.4")

**MSH 70**  
Short, low profile gooseneck supplied with C 747



**LGN6**  
6" gooseneck, supports 64 oz. Chrome or black finish

**LGN13**  
13" gooseneck, supports 48 oz. Chrome or black finish

**LGN19**  
19" gooseneck, supports 48oz. Chrome or black finish

**LCE1**  
Cable exit. 3/8" male and female bushing with side opening

**LMF1**  
Flange mount with 1/8"-27 thread for LGN series goosenecks. Chrome or black finish

**GNS36**  
360mm (14"), black

**STAND ADAPTERS**



**SA 18/1 B**  
For Blue Line Series pre-amps



**SA 38/H**  
Complete stand adapter & shock mount for Blue Line, C 480 & C 568 EB systems



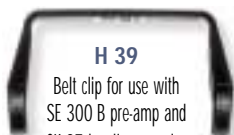
**SA 26**  
General purpose "clothes-pin type" adapter

**SHOCK MOUNTS, BRACKETS & CLIPS**



**H 38**

Shock mount for use with Blue Line, C 480 B and C 568 EB



**H 39**

Belt clip for use with SE 300 B pre-amp and CK 97 lavalier capsules



**H 41**

Tie pin for use with all lavalier microphones

**H 45**  
Cable clothing clip for use with headset and lavalier microphones



**H 47**

Shock mount for use with C 747



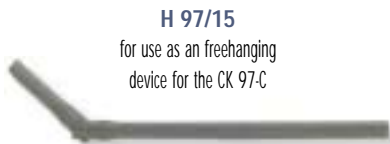
**H 40/1**

Tie Clip for use with all lavalier microphones



**H 100**

Spider suspension for use with C 414 B, C 2000 B, C 3000 B, and C 4000 B



**H 97/15**

for use as a freehanging device for the CK 97-C



**H 300**

Clip for X/Y or MS configurations



**H 416**

Mount plate for C 416

**H 418**

Drum bracket for use with C 418 microphone



**H 500**

Shock mount for use with E series goosenecks



**H 600**

Shock mount for use with E series goosenecks, + A 608 for GN, lockable



**A 608**

Reduction for gooseneck, works with H 600 and SA 40



**MF-DA**

Mounting flange for use with GN



**KA 38**

Hot shoe video camera adapter for use with H 38 shock mount



**W 30**

For use with CK 31, CK 32, CK 33



**W 32**

For CK series capsules



**PF10**

Foam filter available in red, yellow, green, blue, white, charcoal, or black. Use with ball end microphones. (Pictured Below)



**W 23**

For use with ball head microphones



**W 46**

Wire mesh grill for use with ULS Series



**W 44**

For use with MicroMics

**W 444**

For use with C 444 L



**W 62**

For use with C 562 BL



**W 68**  
For use with  
C 568 EB



**W 90**  
For use with  
Blue Line capsules  
CK 91-CK 94



**W 97**  
For use with CK 97-C  
and CK 97-CVR



**W 70**  
For use with C 747  
and CK 47



**W 95**  
Wire mesh grill for  
use with Blue Line  
CK 91-CK 93

**W 80**  
For use with CK 80



**W 414**  
For use with  
C 414's and  
C 3000 B



**W 547**  
For use with C 547 BL



**W 3001**  
For Tri-Power  
vocal mics



**W 426**  
For use with  
C 426 B



**W 1000**  
For use with  
C 1000 S

POWER SUPPLIES



**B 18 E**  
Single channel battery  
operated phantom  
power supply



**B 29**  
Battery operated  
phantom power  
supply and mixer  
for MicroMic and  
others (C 400).  
Operates one or  
two microphones

ADAPTER



**A 48 V**  
Adapts B 18 to  
provide 48V  
phantom power



**A 61**  
Detented 180°  
swivel joint



**MPA II/III**  
XLR terminated  
MicroMic phantom  
adapter for B-lock  
version MicroMic and  
all L-versions



**A 91**  
Swivel adapter for  
SE 300 B

EXTENSION TUBES

**VR 61**  
30 cm/12 in. extension tube  
for ULS microphones

**VR 62**  
90 cm/3 ft. extension tube  
for ULS microphones

**VR 91**  
350 mm/13.8 in. angled extension  
tube for AKG BLUE LINE

**VR 92**  
1.2 m/4ft. extension tube with  
short gooseneck for AKG BLUE LINE



VR 61

VR 62

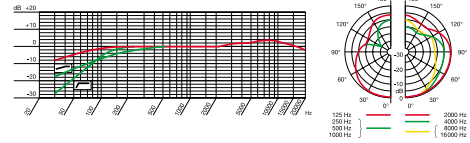
VR 91

VR 92

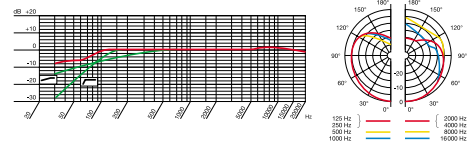


**C 5900**

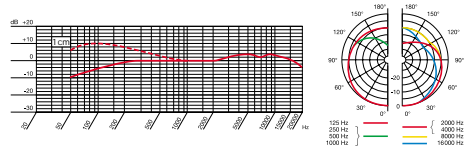
**POLAR PATTERN:** hypercardioid  
**FREQUENCY RANGE:** 20Hz–22kHz  
**SENSITIVITY:** 6 mV/Pa (-44 dBV)  
**MAX. SPL FOR 1/3 % THD:** 140/149 dB SPL  
**EQUIVALENT NOISE LEVEL:** 20 dB-A to DIN 45412  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** 74 dB (A)  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** 12 dB/octave at 100 Hz; 6 dB/octave at 150 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥2,000 Ω  
**POWER REQUIREMENT:** 9 to 52 volts to DIN 45596  
**CURRENT CONSUMPTION:** approx. 2 mA  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** matte black enamel  
**SIZE:** length: 187.5 mm (7.4 in.); max. dia.: 53 mm (2.1 in.)  
**NET/SHIPPING WEIGHT:** 276/676 g (9.8/23.9 oz.)  
**STANDARD ACCESSORIES:** SA 41/1 stand adapter  
**OPTIONAL ACCESSORIES:** W 23: windscreen; B 18: battery power supply

**C 535 EB**

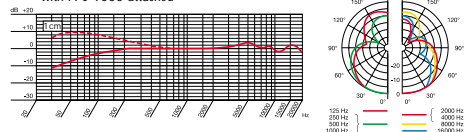
**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 7 mV/Pa = 0.7 mV/μbar (-63 dBV, re 1 μbar)  
**MAX. SPL FOR 1 % THD:** 80 Pa = 130 dB SPL  
**EQUIVALENT NOISE LEVEL:** 32.4 dB (to DIN 45412)  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** 21 dB (A)  
**PREATTENUATION PAD:** -14 dB  
**BASS CUT FILTER:** 12 dB/octave at 100 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥600 Ω  
**POWER REQUIREMENT:** 9 to 52 volts to DIN 45596  
**CURRENT CONSUMPTION:** approx. 1 mA  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** matte black  
**SIZE:** head diameter: 46 mm (1-13/16 in.), length: 184 mm (7-1/4 in.)  
**NET/SHIPPING WEIGHT:** 300/800 g (10.6/28.3 oz.)  
**STANDARD ACCESSORIES:** SA 41/1 stand adapter  
**OPTIONAL ACCESSORIES:** W 23 pop/windscreen; B 18 battery power supply

**C 1000 S**

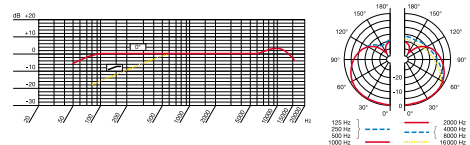
**POLAR PATTERN:** cardioid, hypercardioid (with PPC 1000 attached)  
**FREQUENCY RANGE:** 50Hz–20kHz  
**SENSITIVITY:** 6 mV/Pa (-44.4 dBV re 1 V/Pa)  
**MAX. SPL FOR 1 % THD:** 137 dB SPL  
**EQUIVALENT NOISE LEVEL:** 21 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** 73 dB-A  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥2,000 Ω  
**POWER REQUIREMENT:** 9 to 52 volts (acc. to DIN 45596) or internal 9 V battery  
**CURRENT CONSUMPTION:** approx. 2 mA  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** satin silver enamel  
**SIZE:** length: 220 mm (8.6 in.); max. dia.: 34 mm (1.3 in.)  
**NET/SHIPPING WEIGHT:** 320/653 g (11.3 oz./2.1 lb.)  
**STANDARD ACCESSORIES:** W 1000 foam windscreen; SA 43 stand adapter; PPC 1000 Polar Pattern Converter; PB 1000 Presence Boost Adapter; zippered carrying bag  
**OPTIONAL ACCESSORIES:** B 18



with PPC 1000 attached

**C 2000 B**

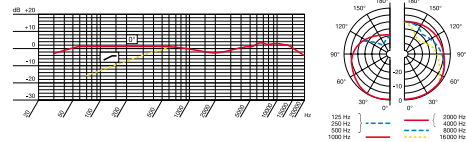
**POLAR PATTERNS:** cardioid  
**FREQUENCY RANGE:** 30Hz–20kHz  
**SENSITIVITY:** 20 mV/Pa (-34 dBV)  
**MAX. SPL FOR 0.5 % THD:** 140/150 dB  
**EQUIVALENT NOISE LEVEL:** 20 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 74 dB  
**PREATTENUATION PAD:** -10 dB, switchable  
**BASS CUT FILTER:** 6 dB/octave below 500 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** silver gray  
**SIZE:** dia.: 53 mm (2.1 in.); length: 159 mm (6.3 in.)  
**NET/SHIPPING WEIGHT:** 325/950 g (11.5 oz./2.1 lbs.)  
**STANDARD ACCESSORIES:** SA 41/1  
**OPTIONAL ACCESSORIES:** H 100





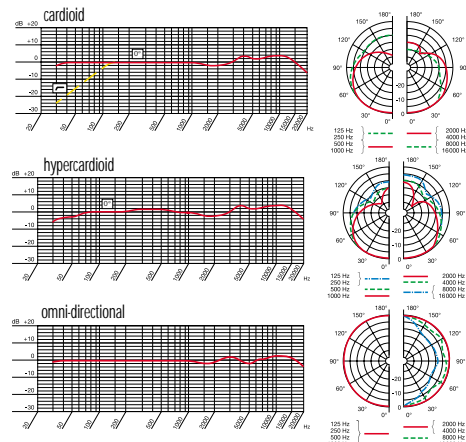
**C 3000 B**

**POLAR PATTERNS:** cardioid  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 25 mV/Pa (-32 dBV)  
**MAX. SPL FOR 0.5 % THD:** 140/150 dB  
**EQUIVALENT NOISE LEVEL:** 14 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 80 dB  
**PREATTENUATION PAD:** -10 dB, switchable  
**BASS CUT FILTER:** 6 dB/octave below 500 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** silver gray  
**SIZE:** dia.: 53 mm (2.1 in.); length: 162 mm (6.4 in.)  
**NET/SHIPPING WEIGHT:** 320/950 g (11.3 oz./2.1 lbs.)  
**STANDARD ACCESSORIES:** H 100  
**OPTIONAL ACCESSORIES:** B 18, PF 10, SA 41/1, W 414



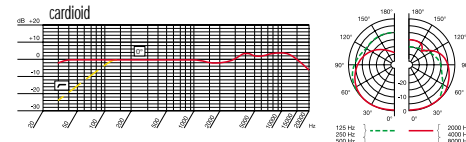
**C 4000 B**

**POLAR PATTERN:** omni-directional, cardioid, hypercardioid  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 25 mV/Pa (-32 dBV)  
**MAX. SPL FOR 1/3 % THD:** 145/155 dB  
**EQUIVALENT NOISE LEVEL:** 8 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** 86 dB  
**PREATTENUATION PAD:** -10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 100 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** silver gray  
**SIZE:** dia.: 58 mm (2.25 in.); length: 183 mm (7.2 in.)  
**NET/ SHIPPING WEIGHT:** 450 g/1 kg (1 lb./2.2 lbs.)  
**STANDARD ACCESSORIES:** H 100, W 4000  
**OPTIONAL ACCESSORIES:** B 18, SA 41/1



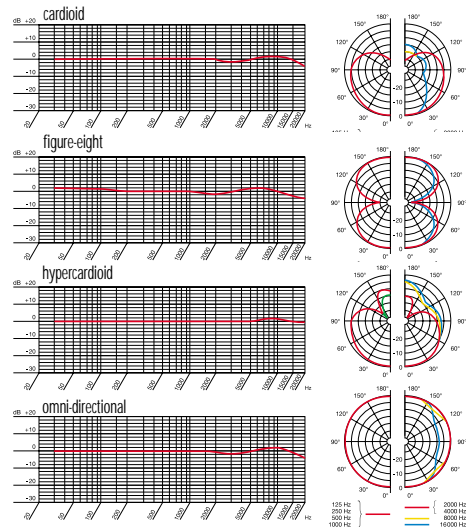
**C 4500 B-BC**

**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 30Hz–20Hz  
**SENSITIVITY AT 1000 Hz:** 20 mV/Pa (-34 dBV)  
**MAX. SPL FOR 0.5 % THD:** 145/155 dB SPL  
**EQUIVALENT NOISE LEVEL:** 8 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** 86 dB  
**PREATTENUATION PAD:** -20 dB, switchable  
**BASS CUT FILTER:** 6 dB/octave at 120 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45 596/IEC 268-15  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** silver gray  
**SIZE:** dia.: 58 mm (2.25 in.); length: 183 mm (7.2 in.)  
**NET/ SHIPPING WEIGHT:** 450 g (16 oz.)  
**STANDARD ACCESSORIES:** H 100, W 4000  
**OPTIONAL ACCESSORIES:** B 18, PF 80



**C 414 B-ULS**

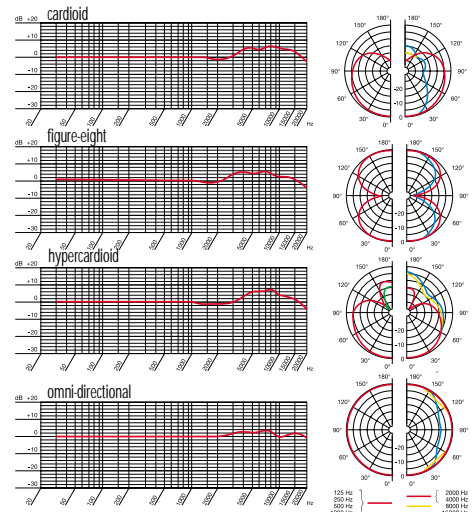
**POLAR PATTERNS:** cardioid, hypercardioid, omni-directional, figure eight  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 12.5 mV/Pa (-38 dBV)  
**MAX. SPL FOR 0.5 % THD:** 140/150/160 dB  
**EQUIVALENT NOISE LEVEL:** 14 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 80 dB  
**PREATTENUATION PAD:** -10 dB, -20 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 75 Hz or 150 Hz  
**ELECTRICAL IMPEDANCE:** 180 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** matte black/silver  
**SIZE:** 141 x 45 x 35 mm (5.6 x 1.8 x 1.4 in.)  
**NET/ SHIPPING WEIGHT:** 320/920 g (11.3/35.5 oz.)  
**STANDARD ACCESSORIES:** H 100, W 414  
**OPTIONAL ACCESSORIES:** B 18, PF 10



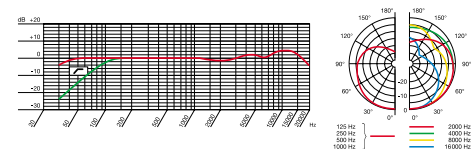




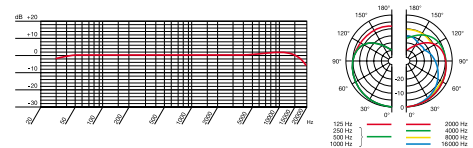
**C 414 B-TL II "VINTAGE TL"**  
**POLAR PATTERNS:** cardioid, hypercardioid, omni-directional, figure eight  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 12.5 mV/Pa (-38 dBV)  
**MAX. SPL FOR 0.5 % THD:** 140/150/160 dB  
**EQUIVALENT NOISE LEVEL:** 14 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 80 dB  
**PREATTENUATION PAD:** -10 dB, -20 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 75 Hz or 150 Hz  
**ELECTRICAL IMPEDANCE:** 180 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** matte black/gold  
**Size:** 141 x 45 x 35 mm (5.6 x 1.8 x 1.4 in.)  
**NET/ SHIPPING WEIGHT:** 320/920 g (11.3/35.5 oz.)  
**STANDARD ACCESSORIES:** H 100, W 414  
**OPTIONAL ACCESSORIES:** B 18, PF 10



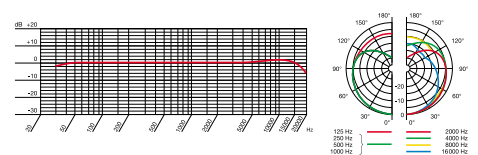
**SOLIDTUBE**  
**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 20 mV/Pa (-34 dBV)  
**MAX. SPL FOR 3 % THD:** 130/145 dB  
**EQUIVALENT NOISE LEVEL:** 20 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** 74 dB  
**PREATTENUATION PAD:** -20 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 100 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** standard power supply  
**CURRENT CONSUMPTION:** as above  
**CONNECTOR:** 6-pin XLR  
**CABLE LENGTH:** 10 m (33 ft.)  
**FINISH:** silver gray  
**Size:** dia.: 63.5/57 mm (2.5/2.2 in.); length: 219 mm (8.6 in.)  
**NET/SHIPPING WEIGHT:** 920 g/5 kg (32.5 oz./11.1 lbs.)  
**STANDARD ACCESSORIES:** N-SOLID, H-SOLID, MK-SOLID, W-SOLID  
**OPTIONAL ACCESSORIES:** -



**C 391 B (= SE 300 B w/CK 91)**  
**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 10 mV/Pa (-40 dBV)  
**MAX. SPL FOR 1 % THD:** 132/142 dB  
**EQUIVALENT NOISE LEVEL:** 17 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** 77 dB  
**PREATTENUATION PAD:** -10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 75 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** dark gray  
**Size:** dia.: 19 mm (0.7 in.); length: 146 mm (5.7 in.)  
**NET/SHIPPING WEIGHT:** 115/420 g (4/14.8 oz.)  
**STANDARD ACCESSORIES:** SA 40, W 90  
**OPTIONAL ACCESSORIES:** B 18, H 30, H 38, H 300, SA 38/H, ST 45, ST 305, W 95, H 10, H 440, H 600 + A 608, ST 5/3, A 91, VR 91, VR 92



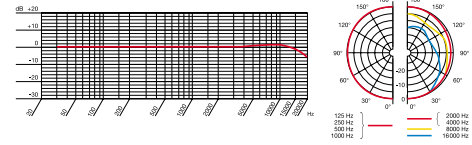
**CK 91 (MEASURED WITH SE 300 B)**  
**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 10 mV/Pa (-40 dBV)  
**MAX. SPL FOR 1 % THD:** 132 dB / 142 dB  
**EQUIVALENT NOISE LEVEL:** 17 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 77 dB  
**PREATTENUATION PAD:** -10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 75 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** bayonet mount  
**CABLE LENGTH:** -  
**FINISH:** dark gray  
**Size:** dia.: 19 mm (0.7 in.); length: 52 mm (2 in.)  
**NET/SHIPPING WEIGHT:** 35/200 g (1.2/7.1 oz.)  
**STANDARD ACCESSORY:** W 90  
**OPTIONAL ACCESSORY:** W 95, ST 45, ST 46, A 91, VR 91, VR 92





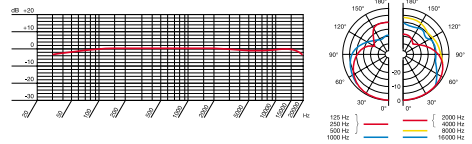
**CK 92 (MEASURED WITH SE 300 B)**

**POLAR PATTERN:** omnidirectional  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 10 mV/Pa (-40 dBV)  
**MAX. SPL FOR 1 % THD:** 132/142 dB  
**EQUIVALENT NOISE LEVEL:** 17 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 77 dB  
**PREATTENUATION PAD:** -10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 75 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** bayonet mount  
**CABLE LENGTH:** -  
**FINISH:** dark gray  
**SIZE:** dia.: 19 mm (0.7 in.); length: 52 mm (2 in.)  
**NET/SHIPPING WEIGHT:** 35/200 g (1.2/7.1 oz.)  
**STANDARD ACCESSORY:** W 90  
**OPTIONAL ACCESSORY:** W 95, ST 45, ST 46, A 91, VR 91, VR 92



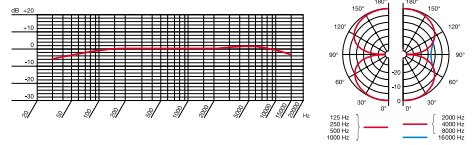
**CK 93 (MEASURED WITH SE 300 B)**

**POLAR PATTERN:** hypercardioid  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 10 mV/Pa (-40 dBV)  
**MAX. SPL FOR 1 % THD:** 132/142 dB  
**EQUIVALENT NOISE LEVEL:** 17 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 77 dB  
**PREATTENUATION PAD:** -10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 75 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** bayonet mount  
**CABLE LENGTH:** -  
**FINISH:** dark gray  
**SIZE:** dia.: 19 mm (0.7 in.); length: 52 mm (2 in.)  
**NET/SHIPPING WEIGHT:** 35/200 g (1.2/7.1 oz.)  
**STANDARD ACCESSORY:** W 90  
**OPTIONAL ACCESSORY:** W 95, ST 45, ST 46, A 91, VR 91, VR 92



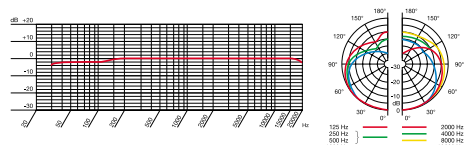
**CK 94 (MEASURED WITH SE 300 B)**

**POLAR PATTERN:** figure 8  
**FREQUENCY RANGE:** 20Hz–2kHz  
**SENSITIVITY:** 10 mV/Pa (-40 dBV)  
**MAX. SPL FOR 1 % THD:** 132/142 dB  
**EQUIVALENT NOISE LEVEL:** 22 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 72 dB  
**PREATTENUATION PAD:** -10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 75 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** bayonet mount  
**CABLE LENGTH:** -  
**FINISH:** dark gray  
**SIZE:** dia.: 19 mm (0.7 in.); length: 58 mm (2.2 in.)  
**NET/SHIPPING WEIGHT:** 35/200 g (1.2/7.1 oz.)  
**STANDARD ACCESSORY:** W 90  
**OPTIONAL ACCESSORIES:** ST 45, ST 46, A 91, VR 91, VR 92



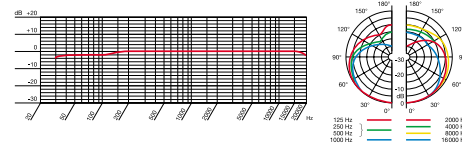
**C 480 B-ULS/61 (= C 480 B w/CK 61)**

**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 20Hz–20,000 Hz  
**SENSITIVITY:** 40/20/6.3 mV/Pa (-28/-34/-44 dBV)  
**MAX. SPL FOR 1 % THD:** 134/140/144 dB  
**EQUIVALENT NOISE LEVEL:** 13/11/17 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 81/83/77 dB  
**PREATTENUATION PAD:** +6 /0/-10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 70 Hz or 150 Hz  
**ELECTRICAL IMPEDANCE:** 150 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,000 Ω//1,000 pF  
**POWER REQUIREMENT:** 48 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** matte black  
**SIZE:** dia.: 21 mm (0.8 in.); length: 173 mm (6.9 in.)  
**NET/SHIPPING WEIGHT:** 140/500 g (4.9 oz./1.1 lb.)  
**STANDARD ACCESSORIES:** SA 40, W 32  
**OPTIONAL ACCESSORIES:** B 18, H 30, H 38, H 300, SA 18/2B, SA 38/H, ST 45, ST 305, W 46, H 10, H 440, A 48 V, A 61, VR 61, VR 62

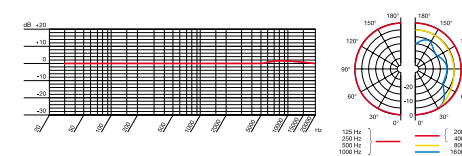


**CK 61-ULS (MEASURED WITH C 480 B)**

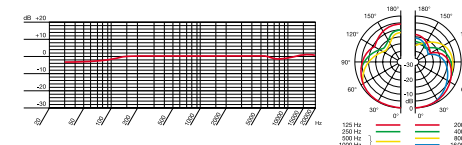
**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 40/20/6.3 mV/Pa (-28/-34/-44 dBV)  
**MAX. SPL FOR 0.5 % THD:** 134/140/144 dB  
**EQUIVALENT NOISE LEVEL:** 13/11/17 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 81/83/77 dB  
**PREAMP ATTENUATION PAD:** +6/0/-10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 70 Hz or 150 Hz  
**ELECTRICAL IMPEDANCE:** 150 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,000 Ω//1,000 pF  
**POWER REQUIREMENT:** 48 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** -  
**CABLE LENGTH:** -  
**FINISH:** matte black  
**SIZE:** dia.: 21 mm (0.8 in.); length: 26.5 mm (1.04 in.)  
**NET/SHIPPING WEIGHT:** 25/150 g (0.9/5.3 oz.)  
**STANDARD ACCESSORY:** W 32  
**OPTIONAL ACCESSORY:** W 46, SA 3/4, SA 40, H 10, H 30, H 38, H 300, H 440, ST 5/3, ST 45, ST 305, A 48 V

**CK 62-ULS (MEASURED WITH C 480 B)**

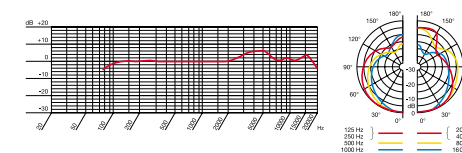
**POLAR PATTERN:** omnidirectional  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 40/20/6.3 mV/Pa (-28/-34/-44 dBV)  
**MAX. SPL FOR 0.5 % THD:** 134/140/144 dB  
**EQUIVALENT NOISE LEVEL:** 13/11/17 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 81/83/77 dB  
**PREAMP ATTENUATION PAD:** +6/0/-10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 70 Hz or 150 Hz  
**ELECTRICAL IMPEDANCE:** 150 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,000 Ω//1,000 pF  
**POWER REQUIREMENT:** 48 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** -  
**CABLE LENGTH:** -  
**FINISH:** matte black  
**SIZE:** dia.: 21 mm (0.8 in.); length: 26.5 mm (1.04 in.)  
**NET/SHIPPING WEIGHT:** 25/150 g (0.9/5.3 oz.)  
**STANDARD ACCESSORY:** W 32  
**OPTIONAL ACCESSORY:** W 46, A 61, VR 61, VR 62

**CK 63-ULS (MEASURED WITH C 480 B)**

**POLAR PATTERN:** hypercardioid  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 40/20/6.3 mV/Pa (-28/-34/-44 dBV)  
**MAX. SPL FOR 0.5 % THD:** 134/140/144 dB  
**EQUIVALENT NOISE LEVEL:** 13/11/17 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 81/83/77 dB  
**PREAMP ATTENUATION PAD:** +6/0/-10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 70 Hz or 150 Hz  
**ELECTRICAL IMPEDANCE:** 150 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,000 Ω//1,000 pF  
**POWER REQUIREMENT:** 48 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** -  
**CABLE LENGTH:** -  
**FINISH:** matte black  
**SIZE:** dia.: 21 mm (0.8 in.); length: 26.5 mm (1.04 in.)  
**NET/SHIPPING WEIGHT:** 25/150 g (0.9/5.3 oz.)  
**STANDARD ACCESSORY:** W 32  
**OPTIONAL ACCESSORY:** W 46, A 61, VR 61, VR 62

**D 40 S**

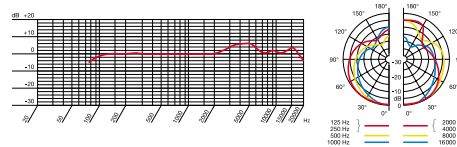
**FREQUENCY RANGE:** 80Hz–20,000 Hz  
**POLAR PATTERN:** Hypercardioid  
**SENSITIVITY AT 1,000 Hz:** 2.0 mV/Pa  
**EQUIVALENT NOISE LEVEL:** 20 dB (A)  
**MAX. SOUND PRESSURE LEVEL FOR 1/3 % THD:** 141/150 dB SPL  
**S/N RATIO (A-WEIGHTED):** -  
**PREAMP ATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** 500 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥1,200 Ω  
**POWER REQUIREMENT:** -  
**CURRENT CONSUMPTION:** -  
**CONNECTOR:** 3.5 mm mini jack plug and screw-on 1/4" adapter  
**CABLE LENGTH:** 5 m (16 ft.)  
**FINISH:** matte black enamel  
**SIZE:** 50 (dia.) x 166 mm (2.1 x 6.5 in.)  
**NET/SHIPPING WEIGHT:** 285/380 g (10.1/13.4 oz.)  
**STANDARD ACCESSORIES:** fixed 5 m (16 ft.) cable with mini jack plug and screw-on 1/4" adapter  
**OPTIONAL ACCESSORIES:** SA 26, W 31, W 23, SA 41/1, H 30, ST 5/3, ST 305





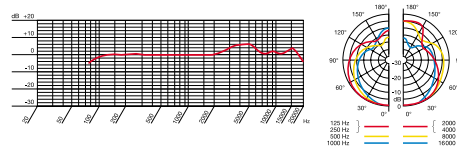
**D 50 S**

**FREQUENCY RANGE:** 80Hz–20kHz  
**POLAR PATTERN:** Hypercardioid  
**SENSITIVITY AT 1,000 Hz:** 2.0 mV/Pa  
**EQUIVALENT NOISE LEVEL:** 20 dB (A)  
**MAX. SOUND PRESSURE LEVEL FOR 1/3 % THD:** 141/150 dB SPL  
**S/N RATIO (A-WEIGHTED):**  
**PREATTENUATION PAD:**  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** 500 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥1,200 Ω  
**POWER REQUIREMENT:** -  
**CURRENT CONSUMPTION:** -  
**CONNECTOR:** 3.5 mm mini jack plug and screw-on 1/4" adapter  
**CABLE LENGTH:** 5 m (16 ft.)  
**FINISH:** matte black enamel  
**SIZE:** 50 (dia.) x 176 mm (2.1 x 6.9 in.)  
**NET/SHIPPING WEIGHT:** 425/475 g (15/16.8 oz.)  
**STANDARD ACCESSORIES:** fixed 5-m (16 ft.) cable with mini jack plug and screw-on 1/4" adapter  
**OPTIONAL ACCESSORIES:** SA 26, W 31, W 23, SA 41/1, H 30, ST 5/3, ST 305



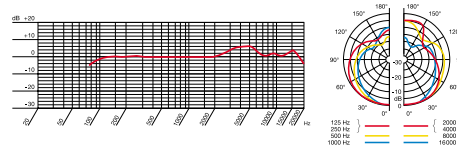
**D 60 S**

**FREQUENCY RANGE:** 80Hz–20kHz  
**POLAR PATTERN:** Hypercardioid  
**SENSITIVITY AT 1,000 Hz:** 2.0 mV/Pa  
**EQUIVALENT NOISE LEVEL:** 20 dB (A)  
**MAX. SOUND PRESSURE LEVEL FOR 1/3 % THD:** 141/150 dB SPL  
**S/N RATIO (A-WEIGHTED):**  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** 500 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥1,200 Ω  
**POWER REQUIREMENT:** -  
**CURRENT CONSUMPTION:** -  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** 5 m (16 ft.)  
**FINISH:** matte black enamel  
**SIZE:** 50 (dia.) x 176 mm (2.1 x 6.9 in.)  
**NET/SHIPPING WEIGHT:** 230/520 g (8.1/18.4 oz.)  
**STANDARD ACCESSORIES:** separate 5 m (16 ft.) cable with XLR connector, mini jack plug and screw-on 1/4" adapter  
**OPTIONAL ACCESSORIES:** SA 26, W 31, W 23, SA 41/1, H 30, ST 5/3, ST 305



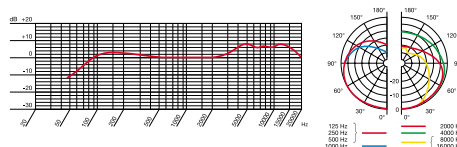
**D 660 S**

**POLAR PATTERN:** hypercardioid  
**FREQUENCY RANGE:** 70Hz–20kHz  
**SENSITIVITY:** 2.0 mV/Pa (-54dBV re 1V/Pa)  
**EQUIVALENT NOISE LEVEL:** 20 dB(A) (DIN 45412)  
**MAX. SOUND PRESSURE LEVEL FOR 1/3% THD:** 140/150 dB SPL  
**S/N RATIO (A-WEIGHTED):**  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** ≤500 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥1,200 Ω  
**POWER REQUIREMENT:** -  
**CURRENT CONSUMPTION:** -  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** matte black enamel  
**SIZE:** 181 mm (7.13 in.) L x 50 mm (1.97 in.) Ø  
**NET/SHIPPING WEIGHT:** 240/423 g (8.5 oz./0.9 lb.)  
**STANDARD ACCESSORIES:** SA 44  
**OPTIONAL ACCESSORIES:** ST 305, W 23, SA 26, SA 41/1, H 30, ST 5/3



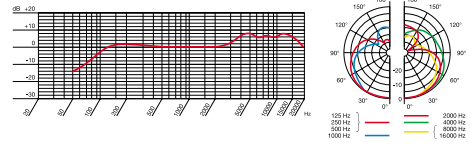
**D 770**

**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 60Hz–20kHz; at 1 cm: 20Hz–20kHz  
**SENSITIVITY:** 1.8 mV/Pa (-75 dBV re 1µbar)  
**MAX. SPL FOR 1/3 % THD:** 147/156 dB SPL  
**EQUIVALENT NOISE LEVEL:** 22 dB(A) (DIN 45412)  
**SIGNAL/NOISE RATIO (A-WEIGHTED):**  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** 600 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥2,000 Ω  
**POWER REQUIREMENT:** -  
**CURRENT CONSUMPTION:** -  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** matte black enamel  
**SIZE:** 181 mm (7.13 in.) L x 50 mm (1.97 in.) Ø  
**NET/SHIPPING WEIGHT:** 295/600 g (10.4 oz./1.3 lb.)  
**STANDARD ACCESSORIES:** SA 44  
**OPTIONAL ACCESSORIES:** W 23, SA 26, SA 41/1, H 30, ST 305, PF 10

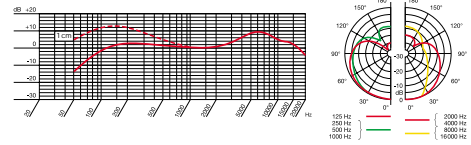


**D 880/D 880 S**

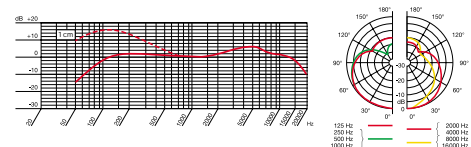
**POLAR PATTERN:** supercardioid  
**FREQUENCY RANGE:** 60Hz–20kHz; at 1 cm: 20Hz–20kHz  
**SENSITIVITY:** 2.5 mV/Pa (-52 dBV re 1 V/Pa)  
**MAX. SPL FOR 1/3 % THD:** 147/156 dB SPL  
**EQUIVALENT NOISE LEVEL:** 22 dB-A (DIN 45412)  
**SIGNAL/NOISE RATIO (A-WEIGHTED):**  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** 600 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥2,000 Ω  
**POWER REQUIREMENT:** -  
**CURRENT CONSUMPTION:** -  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** matte black enamel  
**SIZE:** 181 mm (7.13 in.) L x 50 mm (1.97 in.) Ø  
**NET/SHIPPING WEIGHT:** D 800: 295/600 g (10.4 oz./1.3 lb.), D 800 S: 298/603 g (10.5 oz./1.3 lb.)  
**STANDARD ACCESSORIES:** SA 44  
**OPTIONAL ACCESSORIES:** W 23, SA 26, SA 41/1, H 30, ST 305, PF 10

**D 3700/D 3700 S**

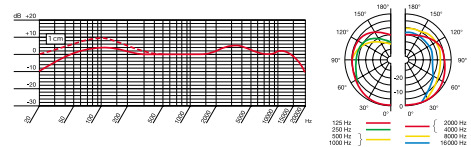
**POLAR PATTERN:** hypercardioid  
**FREQUENCY RANGE:** 60Hz–18kHz; at 1 cm: 20Hz–18kHz  
**SENSITIVITY:** 2.5 mV/Pa (-52 dBV re 1 V/Pa)  
**MAX. SPL FOR 1/3 % THD:** 147/156 dB SPL  
**EQUIVALENT NOISE LEVEL:** 22 dB-A to DIN 45412  
**SIGNAL/NOISE RATIO (A-WEIGHTED):**  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** 600 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥2,000 Ω  
**POWER REQUIREMENT:** -  
**CURRENT CONSUMPTION:** -  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** matte black enamel  
**SIZE:** length: 185.5 mm (7.3 in.); max. dia.: 46.2 mm (1.8 in.)  
**NET/SHIPPING WEIGHT:** 240/640 g (8.5/22.6 oz.)  
**STANDARD ACCESSORIES:** SA 41/1  
**OPTIONAL ACCESSORIES:** W 23, W 3001, SA 26, H 30, ST 305

**D 3800**

**POLAR PATTERN:** hypercardioid  
**FREQUENCY RANGE:** 60Hz–18kHz; at 1 cm: 20Hz–18kHz  
**SENSITIVITY:** 2.5 mV/Pa (-52 dBV re 1 V/Pa)  
**MAX. SPL FOR 1/3 % THD:** 147/156 dB SPL  
**EQUIVALENT NOISE LEVEL:** 20 dB-A to DIN 45412  
**SIGNAL/NOISE RATIO (A-WEIGHTED):**  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** 600 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥2,000 Ω  
**POWER REQUIREMENT:** -  
**CURRENT CONSUMPTION:** -  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** matte black enamel  
**SIZE:** LENGTH: 187.5 mm (7.4 in.); max. dia.: 53 mm (2.1 in.)  
**NET/SHIPPING WEIGHT:** 276/676 g (9.8/23.9 oz.)  
**STANDARD ACCESSORIES:** SA 41/1  
**OPTIONAL ACCESSORIES:** W 23, W 3001, SA 26, H 30, ST 305

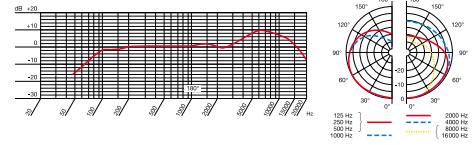
**D 112**

**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 20Hz–17kHz  
**SENSITIVITY:** 1.8 mV/Pa (-75 dBV re 1 μbar)  
**MAX. SPL FOR 0.5 % THD:** outside measurement range  
**EQUIVALENT NOISE LEVEL:** 73 dB (A)  
**SIGNAL/NOISE RATIO (A-WEIGHTED):**  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** 210 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥600 Ω  
**POWER REQUIREMENT:** -  
**CURRENT CONSUMPTION:** -  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** dark gray metallic enamel  
**SIZE:** 150 mm (59 in.) H x 70 mm (28 in.) W x 115 mm (45 in.) Ø  
**NET/SHIPPING WEIGHT:** 380/990 g (13.4 oz./ 2.2 lbs.)  
**STANDARD ACCESSORIES:** SA 40 stand adapter  
**OPTIONAL ACCESSORIES:** ST 305, SA 26

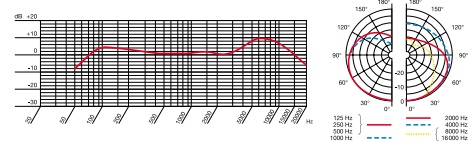




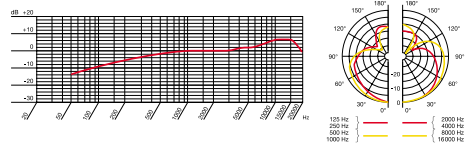
**D 440**  
**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 60Hz–20kHz  
**SENSITIVITY:** 2.5 mV/Pa (-52dBV re 1V/Pa)  
**EQUIVALENT NOISE LEVEL:** 18 dB-A (DIN 45412)  
**MAX. SOUND PRESSURE LEVEL FOR 1/3% THD:** 147/156 dB SPL  
**S/N RATIO (A-WEIGHTED):**  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** ≤600 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥2,000 Ω  
**POWER REQUIREMENT:** -  
**CURRENT CONSUMPTION:** -  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** matte black enamel  
**SIZE:** 104 mm (4.09 in.) H x 85 mm (3.35 in.) L x 46 mm (1.81 in.) Ø  
**NET/SHIPPING WEIGHT:** 148/438 g (5.2 oz./1.0 lb.)  
**STANDARD ACCESSORIES:** H 440  
**OPTIONAL ACCESSORIES:** ST 305, PF 10



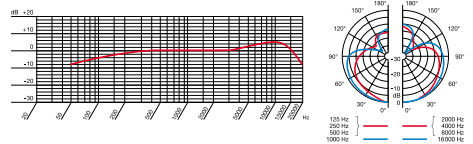
**D 550**  
**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 2.5 mV/Pa (-52dBV re 1V/Pa)  
**EQUIVALENT NOISE LEVEL:** 18 dB-A (DIN 45412)  
**MAX. SOUND PRESSURE LEVEL FOR 1/3 % THD:** 147/156 dB SPL  
**S/N RATIO (A-WEIGHTED):**  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** ≤600 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥2,000 Ω  
**POWER REQUIREMENT:** -  
**CURRENT CONSUMPTION:** -  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** matte black enamel  
**SIZE:** 104 mm (4.09 in.) H x 121 mm (4.76 in.) L x 46 mm (1.81 in.) Ø  
**NET/SHIPPING WEIGHT:** 203/563 g (7.2 oz./1.2 lb.)  
**STANDARD ACCESSORIES:** Table stand extension stubs  
**OPTIONAL ACCESSORIES:** ST 305, PF 10

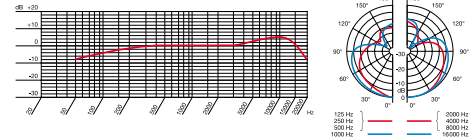
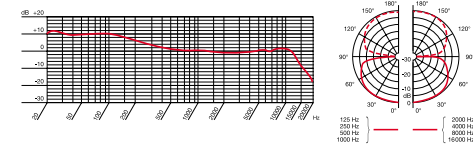
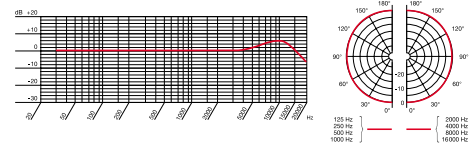
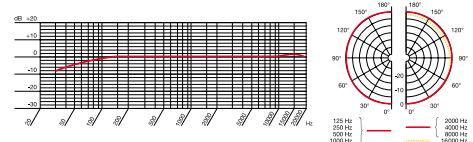


**C 418**  
**POLAR PATTERN:** hypercardioid  
**FREQUENCY RANGE:** 50Hz–20kHz  
**SENSITIVITY:** 2.5 mV/Pa  
**MAX. SPL FOR 1/3 % THD:** 131/140 dB  
**EQUIVALENT NOISE LEVEL:** 34 dB (DIN 45412)  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** 56 dB (A)  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 volts phantom power or battery powering from B 29 or AKG bodypack transmitters  
**CURRENT CONSUMPTION:** approx. 2.2 mA  
**CONNECTOR:** C 418: 3-pin male XLR; C 418 B-lock: TS mini jack plug  
**CABLE LENGTH:** 3 m (10 ft.)  
**FINISH:** matte black  
**SIZE:** 75 x 35 mm (3 x 1.4 in.)  
**NET/SHIPPING WEIGHT:** 62/448 g (2.3/15.8 oz.)  
**STANDARD ACCESSORIES:** W 44  
**OPTIONAL ACCESSORIES:** for C 418/B-lock version: B 29 battery power supply, MPA II MicroMic phantom power adapter



**C 419**  
**POLAR PATTERN:** hypercardioid  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 5 mV/Pa (-46 dBV re 1 V/Pa)  
**MAX. SPL FOR 1/3 % THD:** 126/130 dB  
**EQUIVALENT NOISE LEVEL:** 30 dB (to DIN 45412)  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** 63 dB (A)  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 volts phantom power or battery powering from B 29 or AKG bodypack transmitters  
**CURRENT CONSUMPTION:** approx. 2.2 mA  
**CONNECTOR:** C 419: 3-pin male XLR; C 419 L: 3-pin mini XLR C 419 B-lock: TS mini jack plug ; C 419/WL 900: 2-pin special connector  
**CABLE LENGTH:** 3 m (10 ft.)  
**FINISH:** matte black  
**SIZE:** 180 x 35 mm (3.6 x 1.4 in.)  
**NET/SHIPPING WEIGHT:** 77/462 g (3.1/16.3 oz.)  
**STANDARD ACCESSORIES:** W 44  
**OPTIONAL ACCESSORIES:** for C 419/B-lock version: B29 battery power supply; MPA II MicroMic phantom power adapter

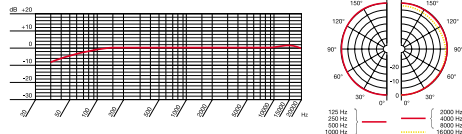


**C 416****POLAR PATTERN:** hypercardioid**FREQUENCY RANGE:** 20Hz–20kHz**SENSITIVITY:** 5 mV/Pa (-46 dBV re 1V/Pa)**MAX. SPL FOR 1/3 % THD:** 126 dB SPL/130 dB SPL**EQUIVALENT NOISE LEVEL:** 32.4 dB (DIN 45412)**SIGNAL/NOISE RATIO (A-WEIGHTED):** 63 dB (A)**PREATTENUATION PAD:** -**BASS CUT FILTER:** -**ELECTRICAL IMPEDANCE:** 200 Ω, unbalanced**RECOMMENDED LOAD IMPEDANCE:** ≥1,000 Ω**POWER REQUIREMENT:** 9 to 52 volts phantom power or battery powering from B 29 or AKG bodypack transmitters**CURRENT CONSUMPTION:** approx. 2.2 mA**CONNECTOR:** C 416: 3-pin male XLR; C 416 L: 3-pin mini XLR; C 416 B-lock: TS mini jack plug; C 416/WL 900: 2-pin special connector**CABLE LENGTH:** 3 m (11 ft.); WL: 1.5 m (5 ft.)**FINISH:** matte black**Size:** approx. 235 x 30 mm (9 x 1.2 in.) incl. installation plate**NET/SHIPPING WEIGHT:** C 416/B-lock: 55/390 g (1.9/13.6 oz.); C 416: 120/455 g (4.2/15.9 oz.)**STANDARD ACCESSORIES:** H 416, 3 fillister head self-tapping screws (2.9 x 13 mm), 3 countersunk bolts (3 x 30 mm), 2 double-sided adhesive rubber plates, elastic adhesive putty, W 44**OPTIONAL ACCESSORIES:** for C 416/B-lock: B29 battery power supply, MPA II MicroMic phantom power adapter**C 411****POLAR PATTERN:** figure 8 (vibration pickup)**FREQUENCY RANGE:** 10Hz–18kHz**SENSITIVITY:** 1 mV/ms<sup>2</sup> (vibration pickup)**MAX. SPL FOR 1 % THD:** approx. 100 dB SPL**EQUIVALENT NOISE LEVEL:** N/A**SIGNAL/NOISE RATIO (A-WEIGHTED):** N/A**PREATTENUATION PAD:** -**BASS CUT FILTER:** -**ELECTRICAL IMPEDANCE:** 200 Ω, unbalanced**RECOMMENDED LOAD IMPEDANCE:** ≥1,000 Ω**POWER REQUIREMENT:** 9 to 52 volts phantom power or battery powering from B 29 or AKG bodypack transmitters**CURRENT CONSUMPTION:** approx. 2.2 mA**CONNECTOR:** C 411: 3-pin male XLR; C 411 L: 3-pin mini XLR; C 411 B-lock: TS mini jack plug**CABLE LENGTH:** 3 m (10 ft.)**FINISH:** matte black**Size:** 27 x 14 x 9.5 mm (1 x 0.5 x 0.3 in.)**NET/SHIPPING WEIGHT:** 18 /225g (0.3/7.9 oz.)**STANDARD ACCESSORIES:** adhesive compound**OPTIONAL ACCESSORIES:** for C 411/B-lock: MPA II MicroMic phantom power adapter**C 417****POLAR PATTERN:** omnidirectional**FREQUENCY RANGE:** 20Hz–20kHz**SENSITIVITY:** 10 mV/Pa ± 40 dB**MAX. SPL FOR 1/3 % THD:** 118/126 dB**EQUIVALENT NOISE LEVEL:** 32.4 dB (DIN 45412)**SIGNAL/NOISE RATIO (A-WEIGHTED):** 60 dB**PREATTENUATION PAD:** -**BASS CUT FILTER:** -**ELECTRICAL IMPEDANCE:** 200 Ω**RECOMMENDED LOAD IMPEDANCE:** ≥1,000 Ω**POWER REQUIREMENT:** 9 to 52 volts phantom power or battery powering from B 29 or AKG bodypack transmitters**CURRENT CONSUMPTION:** approx. 2.2 mA**CONNECTOR:** C 417: 3-pin male XLR; C 417 L: 3-pin mini XLR; C 417 B-lock: TS mini jack plug; C 417/WL 900: 2-pin special connector**CABLE LENGTH:** 3 m (11 ft.); WL: 1.5 m (5 ft.)**FINISH:** matte black**Size:** dia 7.5 mm (0.3 in.), length 15 mm (0.6 in.)**NET/SHIPPING WEIGHT:** 8/220 g (0.3/7.8 oz.)**STANDARD ACCESSORIES:** W 407 windscreen, H 40/1 tie clip, H 41 tie pin**OPTIONAL ACCESSORIES:** B 29 battery power supply (for C 417/B), MPA II phantom power adapter (for C 417/B)**CK 77 WR LAVALIER MICROPHONE****POLAR PATTERN:** omnidirectional**FREQUENCY RANGE:** 20Hz–20kHz**SENSITIVITY:** 8 mV/Pa = -42 dBV**MAX. SPL FOR 1 % THD:** 133 dB**EQUIVALENT NOISE LEVEL:** <26 dB-A**SIGNAL/NOISE RATIO (A-WEIGHTED):** >68 dB**PREATTENUATION PAD:** -**BASS CUT FILTER:** -**ELECTRICAL IMPEDANCE:** <3,500 Ω**RECOMMENDED LOAD IMPEDANCE:** >10,000 Ω**POWER REQUIREMENT:** 1.5 to 12 VDC**CURRENT CONSUMPTION:** <0.6 mA**CONNECTOR:** L versions: 3-pin mini XLR; OC versions: unterminated leads**CABLE LENGTH:** 1.5 m (5 ft.)**FINISH:** matte, various colors**Size:** 5.5 in dia. x 14 mm (0.2 dia. x 0.6 in.)**NET/SHIPPING WEIGHT:** 0.4/85 g (0.014/3 oz.)**STANDARD ACCESSORIES:** W 77 windscreen, H 40/1 clamp, H 41 clamp, adhesive putty, drip ring**OPTIONAL ACCESSORIES:** -



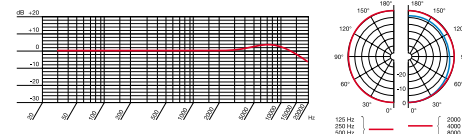
**C 577 WR LAVALIER MICROPHONE**

**POLAR PATTERN:** omnidirectional  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 8 mV/Pa=42 dBV  
**MAX. SPL FOR 1 % THD:** 133 dB  
**EQUIVALENT NOISE LEVEL:** <26 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** >68 dB  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** <400 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,000 Ω  
**POWER REQUIREMENT:** 9 to 52 volts phantom power  
**CURRENT CONSUMPTION:** <0,6 mA  
**CONNECTOR:** 3-pin XLR  
**CABLE LENGTH:** 3 m (10 ft.)  
**FINISH:** matte black  
**SIZE:** 5.5 in dia. x 14 mm (0.2 dia. x 0.6 in.)  
**NET/SHIPPING WEIGHT:** 0.4/146 g (0.014/17.6 oz.)  
**STANDARD ACCESSORIES:** W 77 windscreen, H 40/1 clamp, H16 clip, adhesive putty, drip ring  
**OPTIONAL ACCESSORIES:** B 18 battery power supply



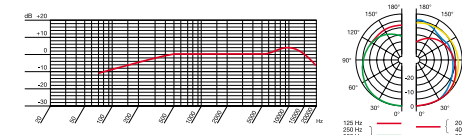
**CK 97-0 (MEASURED WITH SE 300 B)**

**POLAR PATTERN:** omnidirectional  
**FREQUENCY RANGE:** 20Hz–18kHz  
**SENSITIVITY:** 10 mV/Pa (-40 dBV)  
**MAX. SPL FOR 1 % THD:** 120/130 dB  
**EQUIVALENT NOISE LEVEL:** 24 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 70 dB  
**PREATTENUATION PAD:** -10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 75 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** bayonet mount  
**CABLE LENGTH:** 3 m (10 ft.)  
**FINISH:** dark gray  
**SIZE:** dia.: 5 mm (0.2 in.); length: 17 mm (0.7 in.)  
**NET/SHIPPING WEIGHT:** 3/200 g (0.11/7.1 oz.)  
**STANDARD ACCESSORIES:** H 40/1, H 41, W 97/1  
**OPTIONAL ACCESSORIES:** -



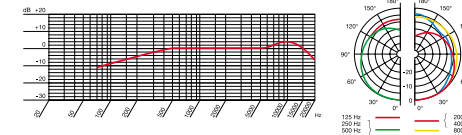
**CK 97-CVR (MEASURED WITH SE 300 B)**

**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 150Hz–18kHz  
**SENSITIVITY:** 12 mV/Pa (-38 dBV)  
**MAX. SPL FOR 1 % THD:** 120/130 dB  
**EQUIVALENT NOISE LEVEL:** 26 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 68 dB  
**PREATTENUATION PAD:** -10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 75 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** bayonet mount  
**CABLE LENGTH:** -  
**FINISH:** dark gray  
**SIZE:** dia.: 11 mm (0.4 in.); length: 500 mm (20 in.)  
**NET/SHIPPING WEIGHT:** 100/350 g (3.5/12.3 oz.)  
**STANDARD ACCESSORY:** W 97  
**OPTIONAL ACCESSORIES:** MK 90/3 + H 98, ST 45, ST 305



**CK 97-C (MEASURED WITH SE 300 B)**

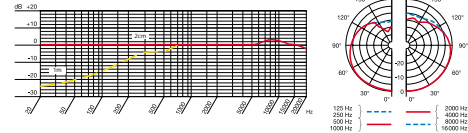
**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 150Hz–18kHz  
**SENSITIVITY:** 12 mV/Pa (-38 dBV)  
**MAX. SPL FOR 1 % THD:** 120/130 dB  
**EQUIVALENT NOISE LEVEL:** 26 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 68 dB  
**PREATTENUATION PAD:** -10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 75 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** bayonet mount  
**CABLE LENGTH:** 3 m (10 ft.)  
**FINISH:** dark gray  
**SIZE:** dia.: 11 mm (0.4 in.); length: 25 mm (1 in.)  
**NET/SHIPPING WEIGHT:** 6/200 g (0.2/7.1 oz.)  
**STANDARD ACCESSORIES:** H 31, H 41, W 97  
**OPTIONAL ACCESSORIES:** -



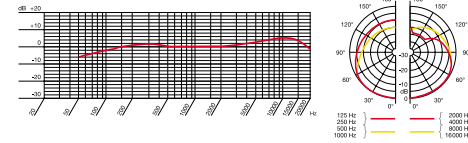


**C 444 L HEAD-WORN MICROPHONE**

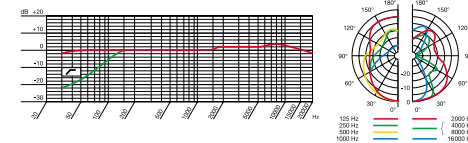
**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 40 mV/Pa=28 dBV  
**MAX. SPL FOR 1 % THD:** 126 dB  
**EQUIVALENT NOISE LEVEL:** <22 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** >72 dB  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** <200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,000 Ω  
**POWER REQUIREMENT:** 1–10 VDC  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin mini XLR  
**CABLE LENGTH:** 1.5 m (5 ft.)  
**FINISH:** matte black  
**SIZE:** 145 x 110 x 70 mm (5.7 x 4.3 x 2.8 in.)  
**NET/SHIPPING WEIGHT:** 30/200 g (1.1/7 oz.)  
**STANDARD ACCESSORIES:** W 444 windscreen  
**OPTIONAL ACCESSORIES:** B 18 battery power supply, MPA III-L phantom power adapter

**C 420**

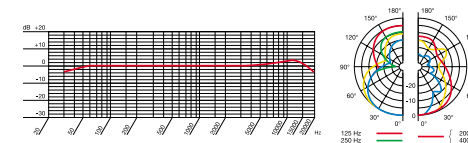
**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 5 mV/Pa (46 dBV re 1 V/Pa)  
**MAX. SPL FOR 1/3 % THD:** 126/130 dB  
**EQUIVALENT NOISE LEVEL:** 32.4 dB (to DIN 45412)  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** 64 dB (A)  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** ≥1000 Ω  
**POWER REQUIREMENT:** 9 to 52 volts phantom power or battery powering from B 29 or AKG bodypack transmitters  
**CURRENT CONSUMPTION:** approx. 2.2 mA  
**CONNECTOR:** C 420: 3-pin male XLR; C 420 L: 3-pin mini XLR; C 420 B-lock: TS mini jack plug; C 420/WL 900: 2-pin special connector  
**CABLE LENGTH:** 3 m (10 ft.)  
**FINISH:** matte black  
**SIZE:** 130 mm dia. (5.1 in.)  
**NET/SHIPPING WEIGHT:** 30/540 g (1.1/19.1 oz.)  
**STANDARD ACCESSORIES:** W 44 windscreen  
**OPTIONAL ACCESSORIES:** C 420 B-lock: B29 battery supply, MPA II phantom adapter

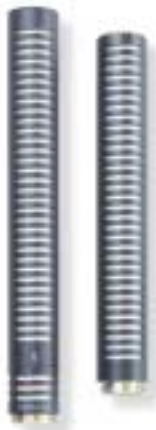
**C 568 EB**

**POLAR PATTERNS:** hypercardioid/directional  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 11 mV/Pa (39 dBV)  
**MAX. SPL FOR 0.5 % THD:** 128 dB  
**EQUIVALENT NOISE LEVEL:** 18 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 76 dB  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** 12 dB/octave at 120 Hz  
**ELECTRICAL IMPEDANCE:** 600 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** matte black  
**SIZE:** dia.: 20 mm (0.8 in.); length: 255 mm (10 in.)  
**NET/SHIPPING WEIGHT:** 160/715 g (5.6/25.2 oz.)  
**STANDARD ACCESSORIES:** SA 40, W 68  
**OPTIONAL ACCESSORIES:** B 18, H 30, H 38, SA 38/H, SA 18/2 B, SA 26, H 7, H 300, H 440, ST 5/3

**CK 98 (MEASURED WITH SE 300 B)**

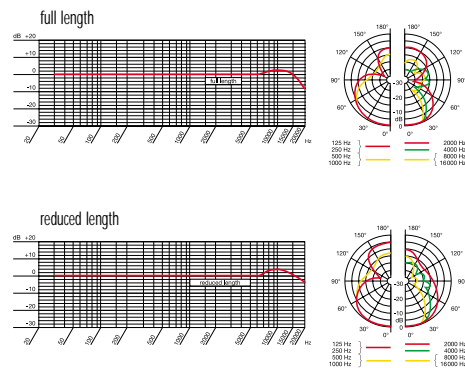
**POLAR PATTERN:** hypercardioid/directional  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 25 mV/Pa (32 dBV)  
**MAX. SPL FOR 1 % THD:** 124/134 dB  
**EQUIVALENT NOISE LEVEL:** 17 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 77 dB  
**PREATTENUATION PAD:** -10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 75 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** bayonet mount  
**CABLE LENGTH:** -  
**FINISH:** dark gray  
**SIZE:** dia.: 19 mm (0.75 in.); length: 260 mm (10.2 in.)  
**NET/SHIPPING WEIGHT:** 80/500 g (2.8 oz./1.1 lb.)  
**STANDARD ACCESSORY:** W 98  
**OPTIONAL ACCESSORIES:** H 38, SA 38/H, ST 45, ST 46, A 91, VR 91





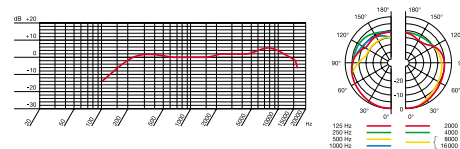
**CK 69-ULS (MEASURED WITH C 480 B)**

**POLAR PATTERN:** hypercardioid/directional  
**FREQUENCY RANGE:** 20Hz–18kHz  
**SENSITIVITY:** 54/27/8.5 mV/Pa (-25/-31/-41 dBV)  
**MAX. SPL FOR 0.5 % THD:** 134/140/142 dB  
**EQUIVALENT NOISE LEVEL:** 11/9/15 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 83/85/79 dB  
**PREATTENUATION PAD:** +6/0/-10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 70 Hz or 150 Hz  
**ELECTRICAL IMPEDANCE:** 150 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,000 Ω//1,000 pF  
**POWER REQUIREMENT:** 48 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** -  
**CABLE LENGTH:** -  
**FINISH:** matte black  
**SIZE:** dia.: 21 mm (0.8 in.); length: 176 / 317 mm (6.9 / 12.5 in.)  
**NET/SHIPPING WEIGHT:** 70/500 g (2.5/17.7 oz.)  
**STANDARD ACCESSORIES:** W 48, W 49  
**OPTIONAL ACCESSORIES:** SA 38/H, H 7, H 30, H 38, A 61, VR 61



**D 541 / D 541 E GOOSENECK MICROPHONES**

**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 140Hz–17kHz  
**SENSITIVITY:** 2 mV/Pa=-54 dBV  
**MAX. SPL FOR 1 % THD:** 133 dB  
**EQUIVALENT NOISE LEVEL:** <21 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** >73 dB  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** <700 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,500 Ω  
**POWER REQUIREMENT:** -  
**CURRENT CONSUMPTION:** -  
**CONNECTOR:** 3-pin XLR  
**CABLE LENGTH:** 1.9 m (6 ft. 4 in.) (D 541 only)  
**FINISH:** matte black  
**SIZE:** 35 x 355 mm (1.4 x 14 in.); D 541 E: 35 x 363 mm (1.4 x 14.3 in.)  
**NET/SHIPPING WEIGHT:** 245/415 g (8.7/14.7 oz.)  
**STANDARD ACCESSORIES:** mounting hardware  
**OPTIONAL ACCESSORIES:** ST 5/3, SA 40, ST 305



**GN 15/GN 30/GN 50 INSTALLATION MODULES**

**BASS CUT FILTER:** 250 Hz, -10 dB at 50 Hz  
**ELECTRICAL IMPEDANCE:** <600 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,000 Ω  
**POWER REQUIREMENT:** 9 to 52 volts phantom power  
**CURRENT CONSUMPTION:** <3 mA  
**CONNECTOR:** 3-pin XLR  
**CABLE LENGTH:** 1.5 m (59 in.)  
**FINISH:** matte dark gray  
**SIZE:** 160/305/500 mm (6.3/12/19.7 in.)  
**NET/SHIPPING WEIGHT:** 72/400 g (2.5/14 oz.), 110/522 g (3.9/18.4 oz.), 120/495 g (4.2/17.5 oz.)  
**STANDARD ACCESSORIES:** DPA phantom power adapter, screw set with shock absorbing rubber eyelets  
**OPTIONAL ACCESSORIES:** MF-DA mounting flange, H 600+A608 shock mount, ST 45, B 18, SA 50, ST 5/3, ST 46

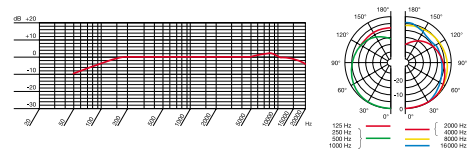


**GN 15 E / GN 30 E / GN 50 E INSTALLATION MODULES**

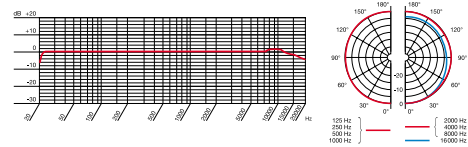
**BASS CUT FILTER:** 250 Hz, -10 dB at 50 Hz  
**ELECTRICAL IMPEDANCE:** <600 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,000 Ω  
**POWER REQUIREMENT:** 9 to 52 volts phantom power  
**CURRENT CONSUMPTION:** <3 mA  
**CONNECTOR:** 3-pin XLR  
**CABLE LENGTH:** -  
**FINISH:** matte dark gray  
**SIZE:** 232/377/572 mm (9.1/14.8/22.5 in.)  
**NET/SHIPPING WEIGHT:** 112/396 g (4/14 oz.), 160/530 g (5.7/18.7 oz.), 160/535 g (5.7/18.9 oz.)  
**STANDARD ACCESSORIES:** DPA phantom power adapter, PS3F-Lock panel mount connector  
**OPTIONAL ACCESSORIES:** H 500, H 600+A, SA 40, ST 45, B 18, SA 80, H 30, ST 5/3, ST 46

**CK 31/CK 31 WHITE CAPSULE MODULE**

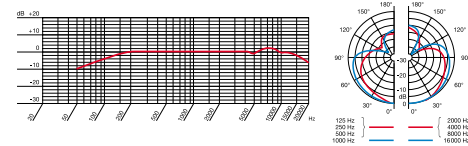
**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 50Hz–20kHz  
**SENSITIVITY:** 20 mV/Pa=–34 dBV  
**MAX. SPL FOR 1 % THD:** 125 dB  
**EQUIVALENT NOISE LEVEL:** <21 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** >73 dB  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** <600  $\Omega$   
**RECOMMENDED LOAD IMPEDANCE:** >2,000  $\Omega$   
**POWER REQUIREMENT:** 9 to 52 volts phantom power adapter, requires DPA adapter (supplied with most Installation Modules)  
**CURRENT CONSUMPTION:** <3 mA  
**CONNECTOR:** Discreet Acoustics Modular standard  
**CABLE LENGTH:** -  
**FINISH:** matte dark gray  
**SIZE:** 25.5 x 13 mm dia (0.95 x 0.5 in.)  
**NET/SHIPPING WEIGHT:** 5/88 g (0.17/3.1 oz.)  
**STANDARD ACCESSORIES:** W 30 windscreen  
**OPTIONAL ACCESSORIES:** -

**CK 32 CAPSULE MODULE**

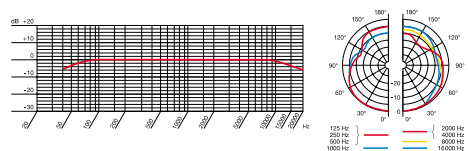
**POLAR PATTERN:** omnidirectional  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 14 mV/Pa=–34 dBV  
**MAX. SPL FOR 1 % THD:** 125 dB  
**EQUIVALENT NOISE LEVEL:** <20 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** >74 dB  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** <600  $\Omega$   
**RECOMMENDED LOAD IMPEDANCE:** >2,000  $\Omega$   
**POWER REQUIREMENT:** 9 to 52 volts phantom power adapter, requires DPA adapter (supplied with most Installation Modules)  
**CURRENT CONSUMPTION:** <3 mA  
**CONNECTOR:** Discreet Acoustics Modular standard  
**CABLE LENGTH:** -  
**FINISH:** matte dark gray  
**SIZE:** 25.5 x 13mm dia (0.95 x 0.5 in.)  
**NET/SHIPPING WEIGHT:** 5/88 g (0.17/3.1 oz.)  
**STANDARD ACCESSORIES:** W 30 windscreen  
**OPTIONAL ACCESSORIES:** -

**CK 33/CK 33 WHITE CAPSULE MODULE**

**POLAR PATTERN:** hypercardioid  
**FREQUENCY RANGE:** 50Hz–20kHz  
**SENSITIVITY:** 20 mV/Pa=–34 dBV  
**MAX. SPL FOR 1 % THD:** 125 dB  
**EQUIVALENT NOISE LEVEL:** <21 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** >73 dB  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** <600  $\Omega$   
**RECOMMENDED LOAD IMPEDANCE:** >2,000  $\Omega$   
**POWER REQUIREMENT:** 9 to 52 volts phantom power adapter, requires DPA adapter (supplied with most Installation Modules)  
**CURRENT CONSUMPTION:** <3 mA  
**CONNECTOR:** Discreet Acoustics Modular standard  
**CABLE LENGTH:** -  
**FINISH:** matte dark gray  
**SIZE:** 25.5 x 13mm dia (0.95 x 0.5 in.)  
**NET/SHIPPING WEIGHT:** 5/88 g (0.17/3.1 oz.)  
**STANDARD ACCESSORIES:** W 30 windscreen  
**OPTIONAL ACCESSORIES:** -

**CK 47/CK 47 WHITE CAPSULE MODULE**

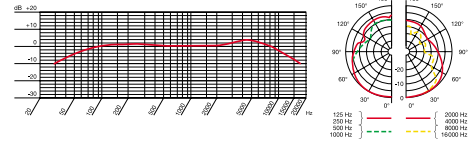
**POLAR PATTERN:** hypercardioid  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 16.5 mV/Pa=–34 dBV  
**MAX. SPL FOR 1 % THD:** 133 dB  
**EQUIVALENT NOISE LEVEL:** <20 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** >74 dB  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** <600  $\Omega$   
**RECOMMENDED LOAD IMPEDANCE:** >2,000  $\Omega$   
**POWER REQUIREMENT:** 9 to 52 volts phantom power adapter, requires DPA adapter (supplied with most Installation Modules)  
**CURRENT CONSUMPTION:** <3 mA  
**CONNECTOR:** Discreet Acoustics Modular standard  
**CABLE LENGTH:** -  
**FINISH:** matte dark gray  
**SIZE:** 25.5 x 13 mm dia (0.95 x 0.5 in.)  
**NET/SHIPPING WEIGHT:** 5/88 g (0.17/3.1 oz.)  
**STANDARD ACCESSORIES:** W 70 windscreen  
**OPTIONAL ACCESSORIES:** -





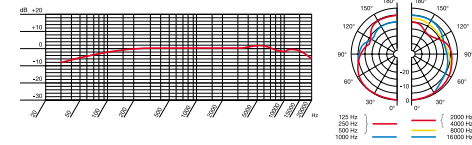
**CK 80 CAPSULE MODULE**

**POLAR PATTERN:** hypercardioid  
**FREQUENCY RANGE:** 60Hz–15kHz  
**SENSITIVITY:** 30 mV/Pa=-34 dBV  
**MAX. SPL FOR 1 % THD:** 125 dB  
**EQUIVALENT NOISE LEVEL:** <17 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** >76.5 dB  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** <600 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,000 Ω  
**POWER REQUIREMENT:** 9 to 52 volts phantom power adapter, requires DPA adapter (supplied with most Installation Modules)  
**CURRENT CONSUMPTION:** <3mA  
**CONNECTOR:** Discreet Acoustics Modular standard  
**CABLE LENGTH:** -  
**FINISH:** matte dark gray  
**SIZE:** 25.5 x 13 mm dia (0.95 x 0.5 in.)  
**NET/SHIPPING WEIGHT:** 5/88 g (0.17/3.1 oz.)  
**STANDARD ACCESSORIES:** W 80 windscreen  
**OPTIONAL ACCESSORIES:** -



**C 747 comb**

**POLAR PATTERN:** hypercardioid  
**FREQUENCY RANGE:** 30Hz–18kHz  
**SENSITIVITY:** 8.5 mV/Pa (-42 dBV)  
**MAX. SPL FOR 1 % THD:** 133 dB  
**EQUIVALENT NOISE LEVEL:** 21 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 73 db  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** 12 dB/octave at 150 Hz  
**ELECTRICAL IMPEDANCE:** 400 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,500 Ω  
**POWER REQUIREMENT:** 9–52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** 3 m (10 ft.)  
**FINISH:** dark gray  
**SIZE:** dia.: 9 mm (0.35 in.); length: 135 mm (5.3 in.)  
**NET/SHIPPING WEIGHT:** 25/750 g (0.9/26.5 oz.)  
**STANDARD ACCESSORIES:** W 70, H 47, MSH 70, SA 47, SA 80, SHZ 80  
**OPTIONAL ACCESSORIES:** MSH 80, B 18, ST 45, ST 46, ST 305



**HM 1000 HANGING MODULE & HM 1000 WHITE**

**POWER REQUIREMENT:** 9 to 52 volts phantom power  
**CONNECTOR:** 3-pin XLR type  
**CABLE LENGTH:** 400 in. (10 m)  
**FINISH:** matte dark gray  
**MOUNTING:** variable  
**SIZE:** 1.96 x 0.52 in. (49 x 13 mm)  
**STANDARD ACCESSORIES:** phantom power adapter, hanging clip  
**OPTIONAL ACCESSORIES:** B 18 battery power supply, PS 3 F-Lock panel mount socket



**LM 3 LAVALIER MODULE**

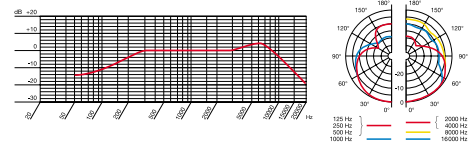
**BASS CUT FILTER:** 250 Hz, -10 dB at 50 Hz  
**ELECTRICAL IMPEDANCE:** <600 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,000 Ω  
**POWER REQUIREMENT:** 9 - 52 volts phantom power  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin XLR  
**CABLE LENGTH:** 1.5 m (5 ft.)  
**FINISH:** matte dark gray  
**SIZE:** 27 mm (1.1 in.)  
**NET/SHIPPING WEIGHT:** 5/157 g (0.18/5.5 oz.)  
**STANDARD ACCESSORIES:** H 31 lavalier clip  
**OPTIONAL ACCESSORIES:** B 18 battery power supply

**LM 3 L LAVALIER MODULE**

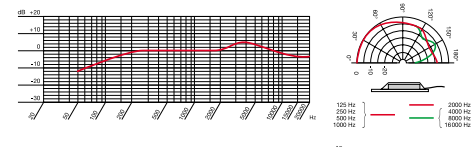
**BASS CUT FILTER:** 250 Hz, -10 dB at 50 Hz  
**ELECTRICAL IMPEDANCE:** <600  $\Omega$   
**RECOMMENDED LOAD IMPEDANCE:** >2,000  $\Omega$   
**POWER REQUIREMENT:** 1.5-10 volts  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin mini XLR  
**CABLE LENGTH:** 1.5 m(5 ft.)  
**FINISH:** matte dark gray  
**SIZE:** 27 mm (1.1 in.)  
**NET/SHIPPING WEIGHT:** 5/96 g (0.18/3.4 oz.)  
**STANDARD ACCESSORIES:** H 31 lavalier clip  
**OPTIONAL ACCESSORIES:** MPA 3 phantom power adapter, B 29 L battery power supply

**C 400 BL BOUNDARY LAYER MICROPHONE**

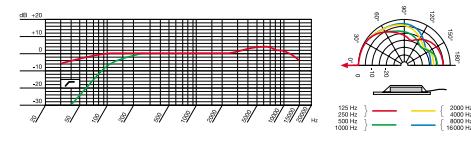
**POLAR PATTERN:** hypercardioid  
**FREQUENCY RANGE:** 150Hz–15kHz  
**SENSITIVITY:** 13.5 mV/Pa= -37 dBV  
**MAX. SPL FOR 1 % THD:** 115 dB  
**EQUIVALENT NOISE LEVEL:** <32 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** >62 dB  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** <200  $\Omega$   
**RECOMMENDED LOAD IMPEDANCE:** >2,000  $\Omega$   
**POWER REQUIREMENT:** 9 to 52 volts phantom power  
**CURRENT CONSUMPTION:** <3 mA  
**CONNECTOR:** 3-pin XLR  
**CABLE LENGTH:** 3 m (10 ft.)  
**FINISH:** matte black  
**SIZE:** 43 x 23 x 13 mm (1.7 x 0.9 x 0.5 in.)  
**NET/SHIPPING WEIGHT:** 5.5/160 g  
**STANDARD ACCESSORIES:** installation tape, installation plate  
**OPTIONAL ACCESSORIES:** B 18

**C 680 BOUNDARY LAYER MICROPHONE**

**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 60Hz–20kHz  
**SENSITIVITY:** 30 mV/Pa=-30 dBV  
**MAX. SPL FOR 1 % THD:** 115 dB  
**EQUIVALENT NOISE LEVEL:** <27 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** >67 dB  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** <200  $\Omega$   
**RECOMMENDED LOAD IMPEDANCE:** >2,000  $\Omega$   
**POWER REQUIREMENT:** 9 to 52 volts phantom power  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin XLR  
**CABLE LENGTH:** 3 m (10 ft.)  
**FINISH:** matte black  
**SIZE:** 97 x 67 x 20 mm (3.9 x 2.6 x 0.8 in.)  
**NET/SHIPPING WEIGHT:** 100/400 g (3.5/14 oz.)  
**STANDARD ACCESSORIES:** installation tape  
**OPTIONAL ACCESSORIES:** B 18

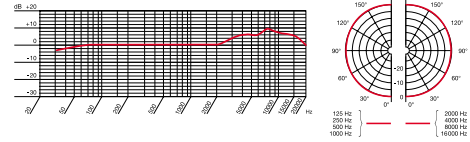
**C 547 BL BOUNDARY LAYER MICROPHONE**

**POLAR PATTERN:** hypercardioid  
**FREQUENCY RANGE:** 30Hz–18kHz  
**SENSITIVITY:** 8.5 mV/Pa=-42 dBV  
**MAX. SPL FOR 1 % THD:** 133 dB  
**EQUIVALENT NOISE LEVEL:** <22 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** >72 dB  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** <400  $\Omega$   
**RECOMMENDED LOAD IMPEDANCE:** >1,000  $\Omega$   
**POWER REQUIREMENT:** 9 to 52 volts phantom power  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin XLR  
**CABLE LENGTH:** 3m (10 ft.)  
**FINISH:** matte dark gray  
**SIZE:** 185 x 120 x 20 mm (7.3 x 4.7 x 0.8 in.)  
**NET/SHIPPING WEIGHT:** 160/420 g (5.7/18.8 oz.)  
**STANDARD ACCESSORIES:** W 547 windscreen  
**OPTIONAL ACCESSORIES:** B 18



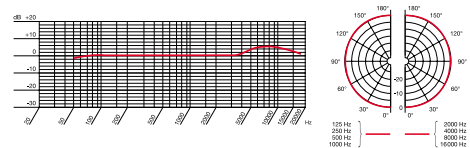
**C 562 BL BOUNDARY LAYER MICROPHONE**

**POLAR PATTERN:** semi-omnidirectional  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 20 mV/Pa (-34 dBV)  
**MAX. SPL FOR 1 % THD:** 130 dB  
**EQUIVALENT NOISE LEVEL:** 16 dB-A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 78 dB  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** 12 dB/octave at 150 Hz  
**ELECTRICAL IMPEDANCE:** 600 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,000 Ω  
**POWER REQUIREMENT:** 9–52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** 3 m (10 ft.)  
**FINISH:** dark gray  
**SIZE:** dia.: 160 mm (6.3 in.); thickness: 9 mm (0.35 in.)  
**NET/SHIPPING WEIGHT:** 950 g/1.9 kg (2.1/4.2 lbs.)  
**STANDARD ACCESSORY:** W 62  
**OPTIONAL ACCESSORIES:** B 18



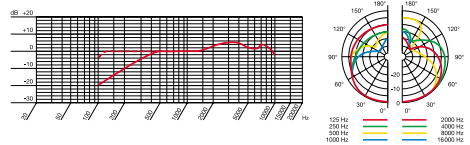
**C 562 CM BOUNDARY LAYER MICROPHONE**

**POLAR PATTERN:** hemispherical  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 25 mV/Pa=-34 dBV  
**MAX. SPL FOR 1 % THD:** 130 dB  
**EQUIVALENT NOISE LEVEL:** <16 dB-A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** >78 dB  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** <600 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,000 Ω  
**POWER REQUIREMENT:** 9 to 52 volts phantom power  
**CURRENT CONSUMPTION:** <2 mA  
**CONNECTOR:** 3-pin XLR  
**CABLE LENGTH:** 0.5 m (1.6 ft.)  
**FINISH:** satin nickel  
**SIZE:** 20 x 28 mm (0.8 x 1.1 in.)  
**NET/SHIPPING WEIGHT:** 30/195 g (1.1/6.9 oz.)  
**STANDARD ACCESSORIES:** mounting hardware, phantom power adapter  
**OPTIONAL ACCESSORIES:** B 18



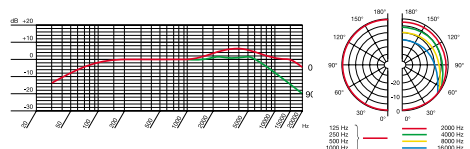
**D 58/D 58 E**

**POLAR PATTERN:** hypercardioid  
**FREQUENCY RANGE:** 70Hz–10kHz  
**SENSITIVITY:** 0.72 mV/Pa=-63 dBV  
**MAX. SPL FOR 1 % THD:** 130 dB  
**EQUIVALENT NOISE LEVEL:** -  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** -  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** <240 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >500 Ω  
**POWER REQUIREMENT:** -  
**CURRENT CONSUMPTION:** -  
**CONNECTOR:** 3-pin XLR  
**CABLE LENGTH:** -  
**FINISH:** D 58: satin nickel; D 58 E: matte black  
**SIZE:** 20 x 42 mm (0.8 x 1.7 in.)  
**NET/SHIPPING WEIGHT:** 40/150 g (1.4/5.3 oz.)  
**STANDARD ACCESSORIES:** -  
**OPTIONAL ACCESSORIES:** W 32



**D 230**

**POLAR PATTERN:** omnidirectional  
**FREQUENCY RANGE:** 40Hz–20kHz  
**SENSITIVITY:** 2.5 mV/Pa (-38 dBV)  
**MAX. SPL FOR 0.5 % THD:** -  
**EQUIVALENT NOISE LEVEL:** -  
**SIGNAL/NOISE RATIO (A WEIGHTED):** -  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** 320 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** -  
**CURRENT CONSUMPTION:** -  
**CONNECTOR:** 3-pin male XLR  
**CABLE LENGTH:** -  
**FINISH:** dark gray  
**SIZE:** dia.: 50 mm (2 in.); length: 218 mm (8.6 in.)  
**NET/SHIPPING WEIGHT:** 225/840 g (7.9/29.7 oz.)  
**STANDARD ACCESSORIES:** SA 44  
**OPTIONAL ACCESSORIES:** SA 26, SA 41/1, ST 45, ST 305, W 23, H 30, ST 5/3



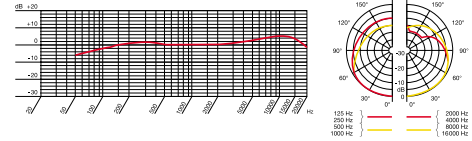


**HSC 200 SR BROADCAST HEADSET**

Microphone  
**POLAR PATTERN:** cardioid  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 7 mV/Pa=43 dBV  
**MAX. SPL FOR 1 % THD:** 126 dB  
**EQUIVALENT NOISE LEVEL:** <22 dB A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** >72 dB  
**PREATTENUATION PAD:** -  
**BASS CUT FILTER:** -  
**ELECTRICAL IMPEDANCE:** <200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >2,000 Ω  
**POWER REQUIREMENT:** 9 to 52 volts phantom power  
**CURRENT CONSUMPTION:** <2 mA

Headphones  
**TYPE:** semi-open, supraaural  
**FREQUENCY RANGE:** 20Hz–28kHz  
**SENSITIVITY:** 100 dB SPL at 1 watt  
**ELECTRICAL IMPEDANCE:** 100 Ω/channel

System  
**CONNECTORS:** 3-pin XLR, 1/4" mini stereo jack  
**CABLE LENGTH:** 3 m (10 ft.)  
**FINISH:** matte black  
**SIZE:**  
**NET/SHIPPING WEIGHT:** 250/450 g (8.8/15.9 oz.)  
**STANDARD ACCESSORIES:** mini to 1/4" adapter jack, windscreens  
**OPTIONAL ACCESSORIES:** B 18 battery power supply

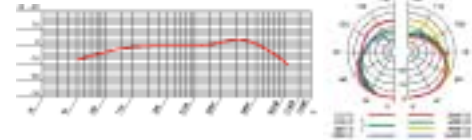


**HSD200SR/OC**

Microphone  
**FUNCTION:** dynamic  
**PICKUP CHARACTERISTIC:** hypercardioid characteristic (low noise)  
**TRANSMISSION RANGE:** 50Hz to 11kHz  
**SENSITIVITY:** 1mV/Pa (-60dBV)  
**IMPEDANCE:** <650Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000Ω

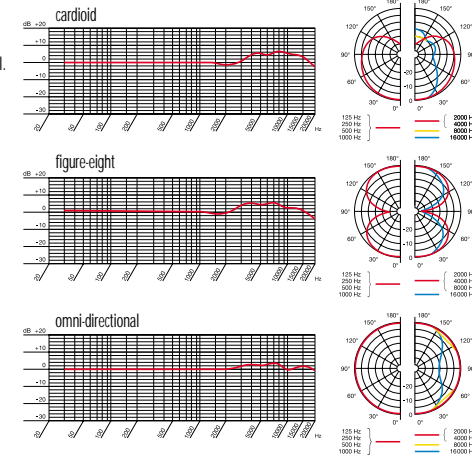
Headphones:  
**TYPE:** semi-open, supra-aural  
**FREQUENCY RANGE:** 20Hz to 28kHz  
**SENSITIVITY:** 100dB SPL at 1mW  
**RATED IMPEDANCE:** 100Ω/system

Mechanical Data:  
**LENGTH OF LEAD:** 300cm  
**SR/OC:** open cable ends



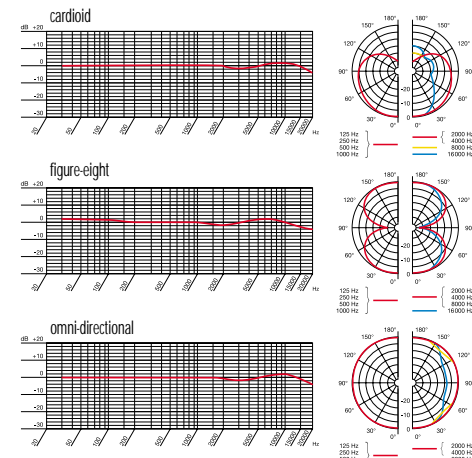
**C 12 VR**

**POLAR PATTERNS:** cardioid, omni-directional, figure eight, and six intermediate positions selectable on remote control.  
**FREQUENCY RANGE:** 30Hz–20kHz  
**SENSITIVITY:** 10 mV/Pa (-40 dBV); can be increased by 10 dB by a switch in the microphone  
**MAX. SPL FOR 3 % THD:** 128 dB  
**EQUIVALENT NOISE LEVEL:** 22 dB A  
**SIGNAL/NOISE RATIO (A-WEIGHTED):** 72 dB  
**PREATTENUATION PAD:** -10 dB or -20 dB, selectable  
**BASS CUT FILTER:** 6 db/12 dB/octave at 120 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** standard power supply  
**CURRENT CONSUMPTION:** as above  
**CONNECTOR:** 12-pin DIN  
**CABLE LENGTH:** 10 m (33 ft.)  
**FINISH:** green/gold  
**SIZE:** dia.: 42 mm (1.6 in.); length: 225 mm (8.8 in.)  
**NET/SHIPPING WEIGHT:** 680 g/4.5 kg (24 oz./10 lbs.)  
**STANDARD ACCESSORIES:** N 12 VR, H 15/T, MK/tube, W 42  
**OPTIONAL ACCESSORIES:** -



**C 426 B comb**

**POLAR PATTERNS:** cardioid, omni-directional, figure eight, and six intermediate positions, remotely selectable  
**FREQUENCY RANGE:** 20Hz–20kHz  
**SENSITIVITY:** 11 mV/Pa (-39 dBV) per channel  
**MAX. SPL FOR 0.5 % THD:** 132/142 dB  
**EQUIVALENT NOISE LEVEL:** 14 dB A  
**SIGNAL/NOISE RATIO (A WEIGHTED):** 80 dB  
**PREATTENUATION PAD:** -10 dB, switchable  
**BASS CUT FILTER:** 12 dB/octave at 75 Hz  
**ELECTRICAL IMPEDANCE:** 200 Ω  
**RECOMMENDED LOAD IMPEDANCE:** >1,000 Ω  
**POWER REQUIREMENT:** 9 to 52 V phantom power to DIN 45596  
**CURRENT CONSUMPTION:** <2 mA per channel  
**CONNECTOR:** 12-pin DIN  
**CABLE LENGTH:** 20 m (66 ft.)  
**FINISH:** matte black/silver  
**SIZE:** DIA.: 42/33 mm (1.6/1.3 in.); length: 235 mm (9.2 in.)  
**NET/SHIPPING WEIGHT:** 470 g/5.1 kg (16.6 oz./11.3 lbs.)  
**STANDARD ACCESSORIES:** H 15/33, W 426, MK 42/20, S 426  
**OPTIONAL ACCESSORIES:** B 18



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