





The A/V Presentation

SourceBook

Section 10

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For Section 10, Wired Microphones
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C1000S

Dual Pattern Condenser Microphone

A "do-it-all" microphone famous for its flexibility, the C 1000S is a condenser mic designed for work on stage. By placing the supplied acoustical converter over the end of the mic capsule— its polar pattern can be quickly converted from cardioid to hypercardioid —without affecting it's on-axis response. The on-axis response of the C 1000S has a gentle (-6 db/octave) roll-off below 200 Hz which has been tailored for normal close-in use of cardioid and hypercardioid microphones in sound reinforcement applications. The mic also includes an attachable Presence Boost Adapter (PB1000) for increased intelligibility.

- ◆ Pristine condenser response, low noise and rugged construction makes it ideal for demanding road work
- ◆ High sensitivity, high SPL handling with low distortion (137dB for 1.0% THD)
- ◆ Extended low and high frequency response is tailored for close proximity to sound sources.
- ◆ Presence Boost Adapter (PB1000) can be attached to create an emphasis of the higher frequencies around 5 to 9kHz by 3 to 5dB.
- ◆ PPC1000 Polar Pattern Converter allows quick change from cardioid to hypercardioid when a more directional pickup pattern is required.
- ◆ Powered by 9-volt battery or 9 to 52v DC phantom power.
- ◆ Silent on/off switch is recessed to prevent inadvertent shutoff.
- ◆ Includes PB1000, PC1000S, SA63 stand adapter, W1000 foam windscreen, and a hard case.

C1000S (AKC1000S).....199.95



C1000S	
Polar Pattern	Cardioid, or hypercardioid (with PPC 1000 attached)
Frequency Range	50 to 20,000 Hz
Sensitivity	6 mV/Pa (-44 dBV)
Maximum SPL	137 dB (k=1%)
Equivalent Noise Level	21 dB-A
Impedance	200 ohms
Dimensions	8.6 x 1.3" (Length x Diameter)

D 880M / D 880MS	
Polar Pattern	Super-cardioid
Frequency Range	60 to 20,000 Hz
Sensitivity	2,2 mV/Pa (-53 dBV re 1 µbar)
Maximum SPL	147 dB SPL (156 dB SPL for 1% / 3% THD)
Equivalent Noise Level	22 dB (A) to DIN 45412
Impedance	<= 600 Ohms
Dimensions	7.13 x 2.0" (Length x Diameter)

D 880M / D 880MS Dynamic Vocal Microphones

Rugged dynamic mics, the D 880M and D 880 MS features a hyper-cardioid polar pattern providing maximum gain before feedback and minimizes noise at the off-axis sections of the capsule. This makes them suitable for live sound reinforcement and public address situations where monitor speakers and ambient noise may be present. The element yields a frequency response of 60Hz to 20MHz and features an SPL rating of 147dB.



- ◆ They have a heavy duty, dent-resistant spring steel windscreen with an integral pop filter (can be removed for cleaning or replacement) for effective suppression of breath noise.
- ◆ They incorporate the VariMotion System in which diaphragm thickness varies from 20 microns at the edge to 40 microns at the center. This distribution of mass produces extended bass response.
- ◆ A Doubleflex dual shock mount system reduces all kinds of handling and cable induced noise.
- ◆ These "modular" mics allow users to replace the output stage and XLR connector with an optional TM40 wireless transmitter, allowing the flexibility to use the microphone with a cable or wireless receiver.

D880M (AKD880M)

With a light-weight body made of die-cast zinc alloy and a black matte soft-touch paint finish for minimum reflection and glare. It includes an SA 61 Stand Adapter and a case**88.95**

D880MS (AKD880SM)

The same as the D880M with an On/Off switch on the modular output stage for added control**98.95**

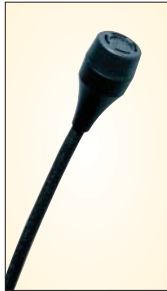
TM 40 (AKTM40): Optional plug-in transmitter module for going wireless with the WMS 40 system**169.95**

BOUNDARY MICROPHONES

C 417

Condenser Lavalier Microphone

The C 417 is an extremely smooth omnidirectional microphone intended to be worn by speakers who demand highest audio quality and complete freedom of movement. An affordable professional miniature condenser microphone, its broadband, flat audio reproduction in an omnidirectional format is ideal for all types of broadcast and theatrical applications. The sound is extremely open and natural, making it ideal for wireless or hardwire multi-mic situations. It is one of the smallest lavalier microphones available today and is available in both black and beige versions for ultimate concealing. Frequency response extends from 20 Hz to 20 kHz, with a 4dB rise at 8 kHz for enhanced intelligibility.



- ◆ Ultra-slim profile and matte finish for unobtrusive wearing
- ◆ Extended low and high frequency response
- ◆ Omnidirectional pattern for natural speech quality
- ◆ High sensitivity (10 mV/Pa)
- ◆ High acoustic level capability (126 dB-SPL for 3% THD)
- ◆ Includes H 40/1 Clip, H 41 Tie pin and W 407 Foam windscreen

C 417 PP (AKC417): For hardwire applications, with standard XLR connector for phantom powering.....**219.00**

C 417 L: With mini XLR connector for use with battery operated power supply, an external phantom power adapter, or AKG WMS bodypack transmitters. Available in black (AKC417L) and beige (AKC417PL)**149.00**

C 420

Headset Cardioid Condenser Mic

Head-worn condenser microphone with wide dynamic range and full bandwidth 20 - 20 kHz frequency response for perfect vocal sound. It captures the voice with a detailed, brilliant sound quality. It provides the performer with a pure, powerful sound that carries the punch and presence to cut through to the audience. Ideal for solo vocalists, singing keyboard players, drummers, guitarists, dancers and anyone who needs high quality vocals in a hands-free application. A fully adjustable behind-the neck steel headband and adjustable ear pieces deliver a comfortable and secure fit, with the cable exiting from the rear of the headband.



It provides the performer with a pure, powerful sound that carries the punch and presence to cut through to the audience. Ideal for solo vocalists, singing keyboard players, drummers, guitarists, dancers and anyone who needs high quality vocals in a hands-free application. A fully adjustable behind-the neck steel headband and adjustable ear pieces deliver a comfortable and secure fit, with the cable exiting from the rear of the headband.

- ◆ Behind-the-head band for comfort and secure mounting
- ◆ External shock mount for high mechanical-noise rejection
- ◆ Miniature gooseneck for precise positioning near the user's mouth
- ◆ Includes W 44 windscreen

C 420 PP (AKC420): For hardwire applications, with standard XLR connector for phantom powering.....**199.00**

C 420 L (AKC420L): With mini XLR connector for use with B 29 L battery operated power supply, MPA III L external phantom power adapter, or AKG WMS bodypack transmitters**199.00**

C 417 and C 420 ACCESSORIES

MPA III L (AKMPAIIIL)**MicroMic Phantom Power Adapter**

Adapter cable with 1/8" lockable jack socket and male 3-pin XLR connector. It reduces the usual phantom powering voltage (9 to 52v) supplied by mixing consoles to the operating voltage (9v maximum) of the C 417 L or C 420 L**116.95**

B 15 In-line Battery Supply (AKB15)

For the C 417 PP and C 420 PP. An integrated on/off switch that helps prolong battery life. Uses a single AAA size 1.5v battery (battery life is 30 hours)**57.50**

B 18E 18v Battery Power Supply (AKB18E)

Uses two 9v batteries to phantom power the C 417PP or C 420 PP for up to 100 hours.....**157.50**

**B 29L** (AKB29L)**Power Supply and Mini Mixer**

The B 29L powers one or two C 417 L or C 420 L microphones. It features an on/off switch and a status LED as well as a mic/line selector for matching the output level to the input of the connected mixer or recorder, etc. It operates on a 9v battery (battery life is approximately 50 hours). Two volume controls allow you to balance the levels of the two microphones. A supplied clip makes it easy to attach to a belt or guitar strap, etc.....**94.50**

BOUNDARY MICROPHONES**C 542 BL*****Omnidirectional Boundary Layer
Condenser Mic***

A high-quality boundary microphone designed to deliver superior results for a multitude of sound reinforcement and recording applications. The boundary layer technique offers non-directional pickup that is frequency independent. It is small, lightweight and easy to place—no stand is needed. Since the transducer sits in a metal plate only 0.2" thick, the plate doesn't interfere with or color the sound. Frequency response is very uniform within its hemisphere. The C 542 BL can be permanently attached to the floor or wall of a studio using the screw holes in the plate or attached temporarily using the supplied adhesive compound. Its 3-pin output connector also has a switchable bass-cut filter to minimize surface-born noise.



- ◆ Extremely small and inconspicuous, lightweight yet rugged.
- ◆ Delivers superior sound combined with outstanding ease of use.
- ◆ High sensitivity and low self-noise ensures generous headroom.
- ◆ Adhesive compound for easy installation.
- ◆ 10' cable with XLR connector and integrated bass cut filter.

C 400 BL***Speech-optimized Hypercardioid
Boundary Layer Condenser Mic***

Hypercardioid polar pattern, speech optimized frequency response and extremely small dimensions make the C 400 BL the first choice for any application requiring a small, low-profile boundary layer microphone. Uses range from conferencing and lectures to theaters, surveillance, paging, and many others. Design is inconspicuous and the housing can be painted easily in any color to make it almost invisible against its backing.



- ◆ Frequency range has been tailored for speech applications through a gentle bass roll-off below 200 Hz and a slight high frequency peak centered at 6 kHz, with a gentle roll-off above that frequency.
- ◆ The combination of both narrow pickup angle and frequency response limited to the voice range makes the microphone doubly insensitive to ambient noise.
- ◆ 5' cable with XLR connector.
- ◆ Universally phantom powered from 9 to 52v DC.
- ◆ Matte black finish can be painted to match surrounding decor.

C 680 BL***Small Cardioid Boundary Layer
Condenser Mic***

Small and inconspicuous boundary mic ideal for table use, lecterns, and houses of worship. The transducer is internally shock mounted for immunity to impacts on the mounting surface. Supplied with a roll of non-staining double-sided adhesive for positive mounting of the microphone to a table or other flat architectural detail.

- ◆ Phantom powered from 9 to 52v DC
- ◆ Can be repainted

C 547 BL***Hypercardioid Boundary Layer
Condenser Mic with Non-Crush Case***

A hypercardioid, studio-quality boundary mic with a rugged, "non-crush" case and a switchable bass-cut filter. It features optimum acoustic properties, high directivity, and neutral sound. Having the same frequency response, the C 547 BL can be combined with the CK47 with excellent results. The C 547 BL is for use in

places of worship, theaters, and conferencing. For tabletop use, the C 547 BL-T is identical to C 547 BL, but without a windscreen.

	C 542 BL	C 400 BL	C 680 BL	C 547 BL
Frequency Response	20Hz - 20kHz	150Hz - 15kHz	60Hz - 20kHz	30Hz - 18kHz
Maximum Input Sound Level	130dB (for 1% THD)	115dB (k=1%)	115dB (k=1%)	133dB
Signal-to-Noise Ratio	78 dB	62 dB	67 dB	22 dB-A
Power Requirements	9v to 52v phantom power	9v to 52v phantom power	9v to 52v phantom power	9v to 52v phantom power
Output Impedance	< 600 ohms	200 ohms	200 ohms	200 ohms
Dimensions	3.1 x 0.2" (DxH)	1.7 x 0.9 x 0.6"	3.9 x 2.6 x 0.8"	7.3 x 4.7 x 0.8"

GOOSENECK MICROPHONES

C 562 CM

Super Small Boundary Mic



The C 562 CM is a flush-mounted boundary microphone specifically designed for permanent, "invisible" mounting in ceilings, walls, tables, stage props, etc. Owing to its high sensitivity, the C 562 CM is a perfect tool for surveillance or live recording since a single microphone can cover an entire room. The supplied XLR phantom power adapter connects to the microphone cable through a miniature connector so installation holes can be smaller than the diameter of the phantom power adapter.



C 747

Hypercardioid Condenser Mic

Practically invisible, 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" mic 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 its 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.

- ◆ Tuned interference tube provides extended bass response, high sensitivity, and excellent S/N ratio.
- ◆ LF roll-off switch filters out low-frequency rumble.
- ◆ Operates on 9-52v phantom power.
- ◆ Mounting accessories include shock mount/adapter, windscreen, mini gooseneck, swivel stand adapter, mounting clamp, and thread link.

Discrete Acoustics Compact Series
Cardioid and Hypercardioid Gooseneck Microphones

A cost-efficient alternative for installations where budget, not modularity is a major consideration, these goosenecks come with only one flexible section, a rigid connection between gooseneck and capsule, and a 3-pin XLR connector for joining the gooseneck to the cable. And while an excellent price-performance ratio is achieved by focusing on essential features, no compromise is made with regard to the sound of the capsules. Each of these capsules provides the outstanding, "legendary" AKG sound.

- ◆ Choose between cardioid or hypercardioid 12" or 20" goosenecks. They each feature rugged all-metal parts and are designed as a true plug-and-play solution. Quick setup and takedown as well as permanent installations all are possible.
- ◆ The gooseneck and microphone capsule form an inseparable unit. The rugged metal front grill is joined permanently to the gooseneck, the contacts inside are soldered. This protects the delicate condenser capsule against mechanical stress and electromagnetic interference, and ensures maximum reliability and excellent audio.
- ◆ The gooseneck foot features an XLR connector with gold-plated contacts, making connecting and mounting incredibly easy. The metal case also houses the electronic components of the microphone. The extra-strong flexible section lets you position the microphone precisely as required.
- ◆ A wide range of optional accessories ensure optimum installation or placement.



CGN-321E/CGN-521E 12" and 20" Cardioid Gooseneck Mics

The cardioid polar pattern is the most popular because its uses are almost limitless. The 125° pickup angle is especially suited for inexperienced or very "vivacious" talkers who often fail to talk directly into the microphone.

CGN321E (AKCGN321E): 12" Cardioid Gooseneck Microphone 149.00

CGN521E (AKCGN521E): 20" Cardioid Gooseneck Microphone 149.00

CGN-323E/CGN-523E 12" and 20" Hypercardioid Gooseneck Mics

The hypercardioid polar pattern with its narrow 95° pickup angle is suited best for situations where noise typically occurs from all sides (particularly in worship centers), where people talk into the microphone from a greater distance, or where several talkers are grouped side by side.

CGN323E (AKCGN323E): 12" Hypercardioid Gooseneck Microphone 169.00

CGN523E (AKCGN523E): 20" Hypercardioid Gooseneck Microphone 169.00L



Choosing Polar Patterns

Selecting the correct polar pattern for installed sound is difficult since it depends on a variety of factors. Of course the acoustics of the room play a key role. For highly reverberant rooms such as worship centers, a hypercardioid polar pattern will be the best choice to avoid high levels of unwanted noise.

Correct placement of the loudspeakers is also essential. If the speakers project right at the capsule, a hypercardioid will be your best bet. The most difficult task is trying to judge how the talkers will behave. For talkers who are inexperienced or move around a lot, be sure to choose a cardioid polar pattern for reliable pickup; talkers at a greater distance from the mic will be served best by a hypercardioid.

DISCRETE ACOUSTICS MODULAR SERIES

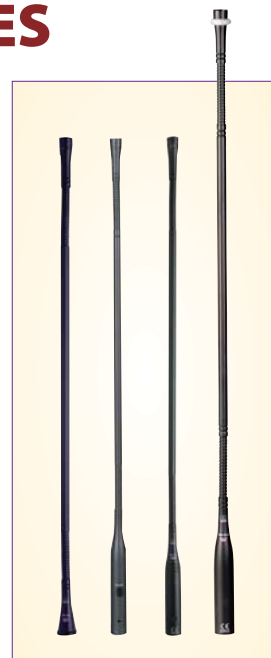
Modular Microphone System

The excellent response and extremely good intelligibility make these mics the first choice whenever quality and reliability have top priority. Used worldwide, AKG's Discreet Acoustics Modular Series has proven its worth for many years. It brilliantly fulfills the three key requirements that are essential for sound system applications.

Modularity: Depending on the specific purpose, "special wishes" can often be fulfilled only by modular systems. The series offers a choice of five capsule modules with different polar patterns and frequency responses, as well as a wide range of goosenecks and installation modules. Plus, there are special-purpose modules for applications that are not covered by any other products available. They can be used as wireless or lavalier microphones as well as for single-user applications.

Reliability: A wide range of features minimizes the risk of operating errors, material fatigue, or signal dropouts. The LED ring and self-cleaning gold-plated contacts for the threaded connections are standard, as are anti-twist cables (HM 1000) and a switchable bass rolloff filter.

Low Profile: Extremely compact design and matte finish underscore their inconspicuous appearance. The low-profile installation modules ensure quick setup and takedown of all versions of the series.



Goosenecks provide length and mounting options for permanent and semi-permanent installations. The flexible goosenecks allow for silent positioning of the microphones while the thin profile and matte gray finish make them inconspicuous in use. All models require phantom power. An LED driven by phantom power enables system status check at a distance. A bass roll-off beginning at 250Hz is provided for control of proximity effect and low-frequency structural vibrations. Control of the light ring and bass roll-off is handled by internal jumpers. A rugged connecting thread for the capsule module with large, self-cleaning gold-plated contacts ensures a stable, seamless joint for exceptional reliability. Gooseneck modules are available in three sizes: 6" (GN15), 12" (GN30) and 20" (GN50) in four distinct product groups:

GN Series: Screw-on Goosenecks

With the exception of the GN30 (unterminated cable ends), GN Series goosenecks incorporate DPA in-line XLR phantom power adapter with integrated 200Hz bass rolloff and LED On/Off jumper. The DPA connects to any mixer input with 9-52v power supply. A slotted bolt and rubber bushings are included with each unit. The rubber bushings minimize structure-borne vibrations and the slotted bolt allows the cable and mini-XLR to pass through any hole from 11mm (0.44") in diameter. This eliminates the need for large holes or awkward unsoldering and resoldering of the bigger phantom power adapter during installation.

GN15 (AKGN15)	GN30 (AKGN30)	GN50 (AKGN50)
6" Gooseneck	12" Gooseneck	20" Gooseneck

GN-E Series: Goosenecks with Integrated XLR Connector

Same as the GN series, these mics feature an integrated XLR connector for quick setup and takedown. They plug directly into the supplied PS3 F-Lock, surface mount XLR female receptacle or the optional H500 or H600 shock mounts. As such, the E-series modules can be easily removed when not in use. Locking features on the PS3 F-Lock and H600 provide added security when modules must be left in place.

GN15-E (AKGN15E)	GN30-E (AKGN30E)	GN50-E (AKGN50E)
6" Gooseneck	12" Gooseneck	20" Gooseneck

GN-ES Series:

Goosenecks with Integrated XLR Connector and Switch

The ES series is like the E-series but with the added flexibility of a noiseless on/off switch integrated into the base of the gooseneck. Rather than actually disconnecting the signal, it attenuates the microphone by a minimum of 26dB, thus avoiding the irritating crackling sound when phantom power is interrupted. Defaults to the "off" position when the power source is turned off.

GN15-ES (AKGN15ES)	GN30-ES (AKGN30ES)	GN50-ES (AKGN50ES)
6" Gooseneck	12" Gooseneck	20" Gooseneck

GN-E 5-Pin Series: Goosenecks with 5-pin XLR Connector and X-large Controllable LED Ring

Similar to the GN-E Series, the GN-E 5-Pin modules come with an integrated connector with phantom power adapter. One special feature is the 5-pin XLR connector, which ensures that the extra-large LED ring can be activated and deactivated using a separate power supply. The LED ring is extra large for enhanced visibility.

GN15-E5 (AKGN15E5)	GN30-E5 (AKGN30E5)	GN50-E5 (AKGN50E5)
6" Gooseneck	12" Gooseneck	20" Gooseneck

DISCRETE ACOUSTICS MODULAR SERIES

Hanging Module



Using microphones flown from the ceiling to record music or speech in places of worship, conference rooms, or on theater stages is becoming more and more popular.

The HM 1000 comes with a 33' special cable that will not twist even if the

temperature varies. A spring steel hanging clamp offers precise microphone alignment.

HM1000 Hanging Module

With 33' cable. Available in Black (AKHM1000) and White (AKHM1000W) colors **162.95**

HM100020 Hanging Module

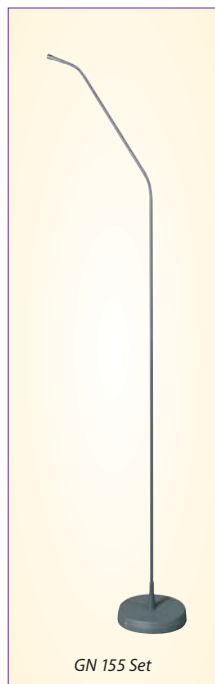
With 66' cable. Available in Black (AKHM100020) and White (AKHM100020W) colors **178.95**

GN 155 Set (AKGN155SET)

Elegant gooseneck module with heavy, shock mounted floor stand in matte gray finish for use with all Discreet Acoustics Capsule Modules. Integrated LED ring status indicator. Suited for stand-alone use on stage or in front of a lectern.

Two integrated flexible gooseneck sections allow optimum alignment with talkers of different heights or positions.

A supplied screw-on extension tube can be used to place the microphone higher for tall talkers. The supplied 33' cable with XLR phantom power adapter is long enough to reach the edge of most stages with no extension cable. For use as a lectern mic in worship centers, halls etc.



GN 155 Set

GN 15 HT Gooseneck for Wireless Mic Applications (AKGN15HT)



GN 15 HT

GN 30

The GN 15 HT lets you convert an HT 4000 handheld transmitter into a mobile gooseneck microphone. This setup provides easily accessible controls and easy battery replacement. Thanks to the sensitive condenser capsules, working distances can be much greater than with dynamic wireless microphones. The LED ring illuminates to indicate the transmitter is ON. The GN 15 HT can be combined with all Discreet Acoustics Capsule Modules. The gooseneck is suited for any application where a sound system with wireless microphones need to be set up quickly, e.g., at press conferences, panel discussions, etc.

GN 30 Minijack Series

The GN 30 Minijack System makes installing and taking down goosenecks even quicker than before. The HCS mounting flange is built into the table. The permanently soldered phantom power adapter can be fastened to the underside of the tabletop by means of a clamp. The entire wiring remains invisible. The goosenecks can be mounted and taken down quite easily as required, while the integrated mini jack ensures perfect contact reliability. The LED ring can be powered directly. When the gooseneck is detached, the opening can be closed with the attached flap to prevent dirt or liquids from getting inside.

The GN 30 Minijack is ideal when goosenecks of different lengths must be interchanged quickly, or when theft can't be prevented with standard locking systems. The goosenecks together with the capsules can be taken to a safe place without having to alter the setup. All that remains on the table is an unobtrusive disk.

PS 3 F-Lock (AKPS3FLOCK)

Classic lockable mounting accessory for easy, material-friendly installation. Requires a 17mm (0.7") mounting hole **54.50**

H 500 Shock Mount (AKH500)

Designed for permanent installation of E and ES version gooseneck modules, the H500 provides attenuation of structure-borne noise by 12dB. It consists of a durable plastic shell and flexible inner rubber boot that allows for quick and easy set up and break down of a sound system. Requires a mounting hole of 2" (50mm) **43.95**

H 600 Shock Mount (AKH600)

Same as above, except the H600 provides maximum attenuation of structure-borne noise (20 dB). Mount consists of a durable low profile plastic shell with a flexible inner rubber boot, and for added security, features a locking clutch that prevents easy removal of the gooseneck module. Also includes the A 608 insert. The A 608 grips the narrow section of the gooseneck and allows for custom height adjustments. Requires a 2.1" (53mm) mounting hole **92.50**

ST45 Table Mount (AKST45)

For extremely easy setup and takedown of mobile sound systems. Solution for mobile applications or installations where supporting surfaces must not be changed. Massive base and shock absorbing rubber feet ensure optimum stability and reduce footfall noise.. **133.50**

ST 1 Folding Mini-Tripod (AKST1)

Miniature 10" x 3.3" folding table tripod **CALL**



PS 3 F-Lock

H 500

H 600

ST 45

ST 1

DISCRETE ACOUSTICS MODULAR SERIES

Screw-On Capsule Modules

All Discreet Series capsules feature pre-polarized condenser elements with gold plated contacts to ensure reliable connections and trouble-free performance. The CK 31, CK 32, CK 33, CK 47 and CK 80 capsules can be used with any of the "Discreet Acoustics Modular Series" installation modules.

Each 30-series capsule has a dual layer windscreen; the dark gray outer layer disperses the impinging air stream while the inside layer smooths the air stream before it reaches the diaphragm. This two-stage process efficiently reduces wind noise while maintaining acoustic transparency. The CK 47 and CK 80 are supplied with a windscreen that reduces the impinging air stream. This reduction of air velocity reduces wind noise while maintaining acoustic transparency.

CK 31 Cardioid Modular Screw-on Capsule

The cardioid is the most popular polar pattern since it can be used almost universally. The 125° pickup angle is especially suited for inexperienced or very "vivacious" talkers who often fail to talk directly into the microphone.

- ◆ Cardioid (125°) pickup pattern
- ◆ 50Hz to 20kHz frequency response
- ◆ High performance windscreen

CK 31 (AKCK31).....89.00

CK 32 Omnidirectional Modular Screw-on Capsule

Due to its high sensitivity in all directions, the CK 32 is an excellent choice especially for lavalier applications, but also for situations requiring ambience pickup.

- ◆ Omnidirectional (360°) pickup pattern
- ◆ Wide 50Hz to 20kHz frequency response
- ◆ High performance windscreen

CK 32 (AKCK32)89.00

CK 33 Hypercardioid Modular Screw-on Capsule

Due to the narrow 95° pickup angle, the hypercardioid polar pattern is a good choice for situations when noise typically arrives from the sides (especially in places of worship), where people talk into the mic from greater distances, or where talkers are grouped side by side.

- ◆ 50Hz to 20kHz frequency response
- ◆ High performance windscreen

CK 33 (AKCK33)139.00



CK 80



CK 47

CK 47 Hypercardioid Modular Screw-on Capsule

The CK 47 combines an 80° pickup angle, studio quality audio, and clean off-axis response. It is an ideal tool wherever studio-standard sound quality is required, or for inexperienced talkers. Includes W 70 windscreen.

- ◆ Hypercardioid (80°) pickup pattern
- ◆ Wide 50Hz to 20kHz frequency response
- ◆ Excellent working distance
- ◆ Studio quality - shotgun type

CK 47 (AKCK47).....CALL

CK 80 Hypercardioid Modular Screw-on Capsule

An 80° pickup angle microphone that is optimized for speech frequency response and provides excellent intelligibility in acoustically critical environments. Its price/performance ratio is as convincing as its sound and high gain before feedback. Includes W 80 windscreen.

- ◆ 50Hz to 20kHz frequency response
- ◆ Speech optimized frequency range
- ◆ Excellent working distance
- ◆ Internal shock mount

CK 80 (AKCK80).....89.00



CK 31

CK 32

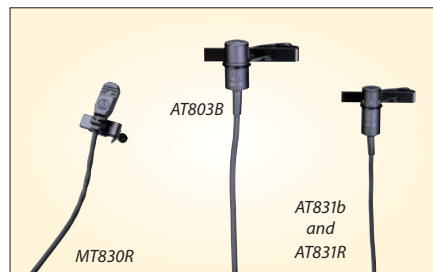
CK 33

	CK 31	CK 32	CK 33	CK 47	CK80
Polar Pattern	Cardioid	Omnidirectional	Hyper-cardioid	Hyper-cardioid	Hyper-cardioid
Pickup Angle	125°	360°	95°	80°	80°
Frequency Range	50 to 20,000Hz	20 to 20,000 Hz	50 to 20,000Hz	20 to 20,000 Hz	60 to 15,000 Hz
Max. SPL	125 dB (for 1% THD)	125 dB (for 1% THD)	125 dB (for 1% THD)	133 dB (for 1% THD)	125 dB (for 1% THD)
Equivalent Noise Level	21 dB-A	20 dB-A	21 dB-A	20 dB-A	17 dB-A
Impedance	<=600 ohms	<=600 ohms	<=600 ohms	<=600 ohms	<=600 ohms
Dimensions (Diameter x Length)	0.5 x 0.8"	0.5 x 0.8"	0.5 x 0.8"	0.5 x 5.7"	0.5 x 4.8"

BROADCAST & PRODUCTION MICS

Miniature Condenser Microphones

Designed to be worn on the clothing of performers, Audio-Technica's miniature condenser microphones provide excellent yet unobtrusive sound pickup. Their mic element is enclosed in a rugged housing with low-reflectance finish and internal construction minimizes handling and clothing noise. The wide-range capability of these mics ensure clean, accurate reproduction with high intelligibility for lecturers, singers, and stage performers.



	AT-803b	AT-831b	AT-831R	MT830R
Frequency Response	30Hz - 20kHz	40Hz - 20kHz	40Hz - 20kHz	30Hz - 20kHz
Maximum SPL Input (Phantom/Battery)	135 dB / 121 dB	135 dB / 121 dB	141 dB	131 dB
Dynamic Range-Typical (Phantom/Battery)	106 dB/92dB	106 dB/92dB	112 dB	107 dB
Phantom Power	9 - 52v	9 - 52v	9 - 52v	9 - 52v
Battery Type	1.5V AA	1.5V AA	—	—
Low-Frequency Roll-off	18dB/oct @ 150 Hz	18dB/oct @ 80 Hz	—	—
Price	139.95	149.95	183.50	163.95

AT803b

Omnidirectional Condenser Microphone

Intended to be worn on the clothing of performers for excellent, yet unobtrusive sound pickup. The wide-range capability of the AT803b ensures clean, accurate reproduction with high intelligibility for lecturers, singers, stage and TV performers.

- ◆ AA battery (up to 1200 hours) or 9-52v phantom power.
- ◆ 6' cable is provided between the mic and power module.
- ◆ A built-in 3-position switch on the power module allows selection of off, on/flat response, or on/low-roll-off.
- ◆ Includes clothing clip, windscreen and carrying case.

MT830R

Subminiature Omnidirectional Condenser Mic

The MT830R's wide-range capability ensures clean, accurate reproduction with high intelligibility for lecturers, singers, stage and TV performers, as well as instruments. Runs on 9-52v phantom power only.

- ◆ 25' cable is provided between the mic and power module.
- ◆ Includes clothing clip and windscreen

AT831b/AT831R

Cardioid Condenser Microphone

Cardioid versions of the AT803b, the miniature AT831b and AT831R (phantom power only) are designed for hands-free applications in sound reinforcement systems. Cardioid pattern provides improved gain before feedback. Close-up voice pickup is crisp and clean, yet full sounding. Suppression of background noise is significantly better than that of full-size microphones. Same features and accessories as the AT803b.

AT849 Stereo Condenser Boundary Mic

The AT849 is a X/Y stereo condenser boundary microphone designed for surface-mounting. The two wide-range, optimally-positioned miniature condenser cardioid elements provide natural stereo ambience ideally suited for broadcast and live sound reinforcement applications.

- ◆ Consistent, natural sound over a 220° arc.
- ◆ Fully mono compatible L+R polar pattern is virtually free of lobes and comb effects.
- ◆ Uniform polar response over an extended, smooth and peak-free frequency response of 30Hz to 20kHz.
- ◆ Requires 9-52v DC phantom power per channel.
- ◆ 2-position switch selects flat or low-roll-off response.
- ◆ Rugged low-profile housing protected by two layers of perforated steel. The heavy case and rubber non-slip bottom pad minimizes mechanical coupling of surface vibrations to the microphone.
- ◆ Low-reflectance black finish.
- ◆ Includes a soft pouch and 25' shielded cable with a five-pin TASF input connector and two XLR output connectors.



Broadcast & Production—for entertainment, commercial & industrial use Audio-Technica's versatile Broadcast & Production microphones set standards for clear, intelligible audio production at major broadcast studios and field production sites around the world. Models are targeted for every film, TV and radio production need, from ENG and EFP to soundstages, narration and more.

BROADCAST & PRODUCTION MICS

AT898 Subminiature Cardioid Lavalier Mic

Designed to be worn as a lavalier or hidden in loose clothing, the discreet-design cardioid AT898 offers maximum intelligibility, accurate voice reproduction and unobtrusive appearance for use by lecturers, stage and television talent, and worship leaders. Its switchable low-frequency roll-off reduces sensitivity to popping. Battery or phantom power.

- ◆ Maximum intelligibility and clean, accurate reproduction for lecturers, stage and television talent, and houses of worship
- ◆ Low-profile design (a mere 5mm in diameter) is ideal for applications requiring minimum visibility
- ◆ Switchable low-frequency roll-off reduces sensitivity to popping in close vocal use
- ◆ 9.8' cable attached to mic, TA3F connector at power module
- ◆ Operates on battery or phantom power
- ◆ Accessories include power module, clothing clip, viper clip, magnet clip and lanyard, two windscreens, three single and two double mic holders, battery and carrying case

**AT898 Lavalier Mic** (AUAT898)

With 9.8' cable, TA3F connector at power module.....**227.50**

AT898c Lavalier Mic (AUAT898C)

Same as the AT898, less power module. Underminated 55" cable..**139.95**

AT898cL4 Lavalier Mic (AUAT898CL4)

Same as the AT898, less power module. 55" cable terminated with Lemo connector for Sennheiser SK wireless systems.....**193.50**

AT898cT4 Lavalier Mic (AUAT898CT4): No power module. 55" cable

terminated with TA4F connector for Shure wireless systems**154.50**

AT898cT5 Lavalier Mic (AUAT898CT5): No power module.

55" cable terminated with TA5F connector for ATW-U101 body-pack wireless system.....**154.50**

AT898cW Lavalier Mic (AUAT898CW): No power module. 55" cable terminated with locking 4-pin connector for UniPak wireless systems...**154.50**



AT899

Subminiature Omnidirectional Lavalier Mic

Designed for high-quality, unobtrusive operation, the AT899 provides maximum intelligibility and clean, accurate reproduction for vocalists, lecturers, stage and television talent, and houses of worship. A mere 5mm in diameter, the AT899 is ideal for applications requiring minimum visibility. The omni element is enclosed in a rugged, low-profile housing to minimize handling and wind noise.

- ◆ Supplied accessory kit includes single and double mounts, clothing clip, viper clip, magnetic clip, two open-pore foam windscreens, and two metal mesh element covers and a convenient carrying case.

AT899 Lavalier Mic (AUAT899)

With a permanently attached 9.8' cable and a 3-pin TA3F connection to the supplied AT8537 battery/phantom power module**199.95**

AT899c Lavalier Mic

Same as the AT898, less power module. Underminated 55" cable for custom applications. Available in Black (AUAT899C) and beige "theater" color (AUAT899CTH)**139.95**

AT899cL4 Lavalier Mic

Same as the AT898, less power module. Underminated 55" cable with Lemo connector for Sennheiser SK wireless systems. Available in Black (AUAT899CL4) and beige "theater" color (AUAT899CL4TH).....**193.50**

AT899cT4 Lavalier Mic (AUAT899CT4): No power module. Underminated 55" cable with TA4F connector for Shure wireless systems.....**154.50**

AT899cT5 Lavalier Mic (AUAT899CT5): Same as the AT898, less power module. Underminated 55" cable with TA5F connector for ATW-U101 body-pack wireless system. Black finish.....**139.95**

AT899cT5-TH Lavalier Mic (AUAT899CT5TH)

Same as AT899cT5 but in beige "theater" color.....**154.50**

AT899cW Lavalier Mic: Same as the AT898, less power module.

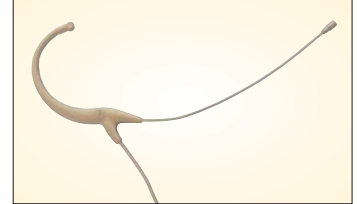
Underminated 55" cable with locking 4-pin connector for A-T UniPak wireless systems. Available in Black (AUAT899CW) and beige "theater" color (AUAT899CWTH).....**159.95**

BROADCAST & PRODUCTION MICS

AT892 MicroSet

Omnidirectional Condenser Headworn Mic

With a capsule diameter of just 2.5mm, the AT892 MicroSet provides the ultimate in low-profile, high-performance audio. It offers an ergonomic under-ear design with flexible, lightweight contoured loop hooks behind either ear for an ultra-secure, comfortable fit with or without glasses. Delivers extremely intelligible audio. Ruggedly constructed for day-to-day use in production, house-of-worship and theater settings.



AT892c MicroSet: With 55" unterminated cable for custom wiring applications. Available in Black (AUAT892C), beige "theater" (AUAT892CTH) and cocoa (AUAT892CCO) color.

AT892cL4 MicroSet: 55" terminated cable for Sennheiser wireless systems using Lemo connector. Available in Black (AUAT892CL4), beige "theater" (AUAT892CL4TH) and cocoa (AUAT892CL4CO) color.

AT892cLM3 MicroSet: 55" terminated cable for Sennheiser wireless systems using a locking 3.5mm connector. Available in Black (AUAT892CLM3), beige "theater" (AUAT892CLM3T) and cocoa (AUAT892CLM3C) color.

AT892cT4 MicroSet: 55" terminated cable with TA4F connector for Shure wireless systems. Available in Black (AUAT892CT4), beige "theater" (AUAT892CT4TH) and cocoa (AUAT892CT4CO) color.

AT892cT5 MicroSet: 55" terminated cable with TA5F connector for ATW-U101 and Lectrosonics wireless systems. Available in Black (AUAT892CT5), beige "theater" (AUAT892CT5TH) and cocoa (AUAT892CT5CO) color.

AT892cW MicroSet: 55" cable terminated with locking 4-pin connector for A-T UniPak wireless systems. Available in Black (AUAT892CW), beige "theater" (AUAT892CWTH) and cocoa (AUAT892CWCO) color.

AT804 Omnidirectional Moving Coil Dynamic Mic



Designed for use in broadcasting studios, high-quality sound reinforcement, and other demanding sound pickup situations. Hardened-steel grille and die-cast case make the mic ideal for field applications where rugged construction is essential. The omnidirectional polar

patterns ability to pick up sound equally from all directions means that with close-up miking, the mic won't accentuate bass frequencies due to proximity effect. The omnidirectional pattern is also ideal for distant miking where the reproduction of ambient environments is desired.

- ◆ Rugged die-cast case with hardened steel grille stands up to field use
- ◆ Internal shock mounting reduces handling and cable noise.
- ◆ Includes a snap-in clamp and soft protective pouch



AT808G Subcardioid Dynamic Console Mic

Designed for use as a quality talk-back microphone in entertainment, commercial and industrial applications, the AT808G features a versatile gooseneck design that allows for unlimited positioning and dependable performance. Its custom-tailored frequency response ensures excellent intelligibility in environments with excessive ambient noise. The mic's subcardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source.

- ◆ Protective windscreen and rugged construction
- ◆ Plugs directly into an XLR-type surface or cable connector
- ◆ Overall length of 16.2"

	AT-892	AT-804	AT-808G
Transducer	Condenser	Moving Coil Dynamic	Dynamic
Polar Pattern	Omnidirectional	Omnidirectional	Subcardioid
Frequency Response	20Hz - 20kHz	50Hz - 15kHz	200Hz - 5kHz
Power Requirements	Voltage Range: 2.5-11V	None	None
Dimensions (Length x Diameter)	.32 x .11"	5.94 x 1.42"	16.2 x .98"

PRO SERIES

Installed-Sound Condenser Microphones

From ceilings to stage floors, from podiums to tabletops, ProPoint microphones have your miking needs covered.

- ◆ Wide-range condenser elements with low-mass diaphragms for superior performance
- ◆ Uniform cardioid polar pattern for maximum rejection of unwanted sounds
- ◆ Flat, smooth frequency response, high-SPL handling for voice, choir and orchestra
- ◆ They operate on 9-52v DC phantom power
- ◆ Self-contained electronics eliminate the need for external power modules
- ◆ Podium mics feature quiet, fixed-placement, long-life goosenecks
- ◆ Low-profile boundary mics for minimum visibility
- ◆ Rugged design and construction for reliable service



	PRO 42	PRO 44	PRO 45	PRO 47T/TL	PRO 49Q/QL
Element	Condenser	Condenser	Condenser	Condenser	Condenser
Polar Pattern	⊂	⊂	⊂	⊂	⊂
Frequency Response	70 - 14k Hz	70 - 16k Hz	70 - 16k Hz	70 - 16k Hz	70 - 16k Hz
Open Circuit Sensitivity	-38 dB (12.5 mV)	-25 dB (56.2 mV)	-37 dB (14.1 mV)	-37 dB (14.1 mV)	-37 dB (14.1 mV)
Impedance	100 Ω	100 Ω	100 Ω	100 Ω	100 Ω
Maximum SPL Input (1kHz at 1% T.H.D.)	134 dB SPL	114 dB SPL	134 dB SPL	134 dB SPL	134 dB
Signal to Noise Ratio (1kHz @ 1 Pa)	65 dB	66 dB	66 dB	66 dB	66 dB
Dynamic Range (Typical) (1 kHz @ Max SPL)	105 dB	86 dB	106 dB	106 dB	106 dB
Phantom Power (2.0mA Typical)	9 - 52V	9 - 52V	9 - 52V	9 - 52V	9 - 52V
Price	88.95	96.95	79.95	114.95 / 122.95	96.95 / 98.95

Pro 42 / Pro 44 Cardioid Boundary Mics

The miniature Pro 42 and low-profile Pro 44 are wide-range condenser microphones with a hemi-cardioid (half-space cardioid) polar pattern designed for surface-mounted applications in high-quality sound reinforcement and other demanding sound pickup situations.

- ◆ Miniature Pro 42 measures 1.44 x 2.14 x .61" (WDH) while the low-profile Pro 44 measures 2.87 x 3.56 x .59" (WDH)
- ◆ The Pro 42 (permanently-attached) and Pro 44 (detachable) include a 25' cable with XLRM-type connector
- ◆ Mic elements are enclosed in a rugged case and protected by heavy perforated steel. The rubber non-slip bottom pad minimizes mechanical coupling of surface vibrations to the microphone

Pro 45 / Pro 45W Cardioid Hanging Mics

The Pro 45 is furnished with a vinyl-coated steel hanger that allows it to be positioned inconspicuously over a choir, orchestra, stage, etc., for low-profile situations.

- ◆ Has a 25' permanently- attached cable with XLRM-type connector
- ◆ Enclosed in a rugged housing with a low-reflectance black finish. Also available with a white-finished (Pro 45W) mic housing, cable and steel hanger for the times you need the mic hung against a light background

Pro 47T / Pro 47TL

Cardioid Thread-Mount Gooseneck Mics

Designed for high-quality sound reinforcement and other demanding sound pickup situations. Standing 12.4" (Pro 47T) and 15.7" (Pro 47TL) above the mounting surface, their small-diameter alternating gooseneck design permits highly flexible positioning while maintaining a smooth, well-contoured surface.

- ◆ 9.8' permanently-attached cable with an XLRM-type connectors
- ◆ Mic element is enclosed in a rugged housing with a low-reflectance black finish. A 5/8"-27 threaded flange allows the mic to mate with the threads of a standard microphone desk or floor stand. A 5/8"-27 threaded stud is also provided so it can be secured to a permanent mounting surface.

Pro 49Q / Pro 49QL

Cardioid Quick-Mount Gooseneck Mics

With an overall length of 13.07" (Pro 49Q) and 16.46" (Pro 49QL), their small-diameter alternating goose-neck design permits highly flexible positioning while maintaining a smooth, well-contoured appearance.

- ◆ XLRM-type connector insert at their base allows them to be plugged directly into an XLRF-type jack or cable connector

PRO SERIES

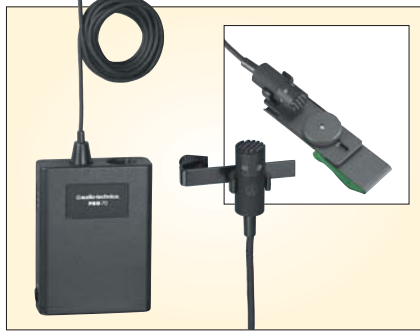
Pro 8HEx Headworn Hypercardioid Dynamic Microphone

The PRO 8HEx is a lightweight, headworn dynamic mic ideal for aerobics instructors and for anyone who needs a professional-quality mic with hands-free operation. Featuring a Hi-ENERGY Neodymium magnet with almi-chromate coating, the motor structure ensures excellent transient and frequency response, reduces distortion, and provides a high output level not normally achieved by other headworn dynamic microphones. The result is crisp, clean vocal pickup.

- ◆ Combination of hypercardioid polar pattern and headworn design provides background noise suppression that is significantly improved over that of full-size, stand-mounted cardioid mics.
- ◆ Features include a mic capsule moisture barrier, a durable cable assembly, and a covered stainless steel headband which can be flexed to adjust for a comfortable fit around the back of any head.
- ◆ Includes a permanently attached 7.2' cable with XLR-M connector, two wind screens (large and small) and a clothing clip.



Pro 70 Cardioid Condenser Lavalier Microphone



This miniature condenser microphone achieves full-sounding pickup and is known for outstanding consistency and dependable performance. Supplied with a clothing clip, it provides natural and articulate vocal reproduction when used as a clip-on lavalier. The Pro 70 is designed to make speech clearly and comfortably audible, yet never draw attention to itself or its operation. The versatile Pro 70 can be powered by battery or phantom power. Its cardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of the desired sound source. Low-frequency roll-off switch allows for reduced pickup of room noise.

- ◆ Miniature condenser microphone ideal for vocal applications
- ◆ Corrosion-resistant contacts from gold-plated XLRM-type connector
- ◆ 6' cable is permanently attached between the microphone and the power module.

Pro 31/41/61 Cardioid and Hypercardioid Dynamic Handheld Mics

These affordable cardioid dynamic microphones are designed for close-up vocal performance. The PRO 31 offers a broad frequency response and low handling noise in a tough, durable design. It sets the price/performance standard for intelligibility, transparent sound quality and noise suppression. The PRO 41 cardioid dynamic step-up is built to survive the realities of day-to-day use and still produce clear, full-range vocal reproduction every time. Its superior internal shock mounting reduces handling noise. With its extended frequency response, the PRO 61 provides optimal clarity and smooth, natural sonic characteristics. Its hypercardioid polar pattern improves isolation of the sound source.



They Feature:

- ◆ Cardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source
- ◆ Hi-ENERGY neodymium magnet for high output and articulate vocal reproduction
- ◆ Two-stage ball-type headcase for superior "pop" protection
- ◆ MagnaLock on/off switch
- ◆ Corrosion-resistant contacts from gold-plated XLRM-type connector

PRO 41 Step-up Features:

- ◆ Superior internal shock mounting reduces handling noise

PRO 61 Step-up Features:

- ◆ Extended frequency response provides optimal clarity and smooth, natural sonic characteristics
- ◆ Hypercardioid polar pattern improves isolation of desired sound source

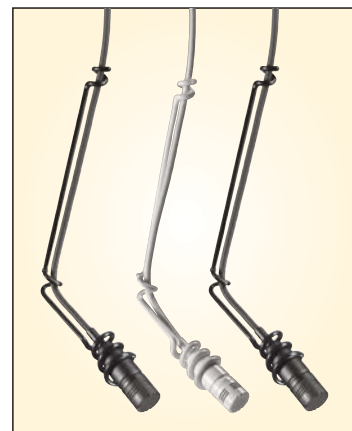
UniPoint SERIES

Cardioid and Line Cardioid Hanging Condenser Microphones

Audio-Technica's wide-range of miniature cardioid condenser hanging microphones are designed for use in high-quality sound reinforcement, television, and other demanding sound pickup applications. They are ideal for speech, theater, orchestra and choir sound reinforcement. With robust construction, unobtrusive appearance, and unsurpassed immunity to radio frequency interference, these hanging mics offer sophisticated and versatile sound-reinforcement solutions.

Equipped with A-T's new UniGuard technology, they offer unsurpassed immunity from radio frequency interference. All feature an 80Hz low-cut UniSteep filter that reduces pickup of low-frequency ambient noise, while preserving a full sound.

Interchangeable condenser elements (cardioid, hypercardioid, omnidirectional and UniLine line cardioid) offer superior on- and off-axis response, resulting in truly exceptional sonic quality and an angle of acceptance from 90° to 360°. They are furnished with a vinyl-coated steel hanger that allows them to be positioned inconspicuously for very low-profile situations and they all include a windscreen, power module, and a permanently attached 25' cable. Elements are enclosed in either a low-reflectance black or a white-finished housing, cable and steel hanger.



U853A Cardioid Condenser

Operates on battery or phantom power.
Available in Black (AUU853A) or White (AUU853AW) finish.....**218.50**

U853AU UniLine Condenser

Operates on battery or phantom power; and features a narrow 90° acceptance angle.
Available in Black (AUU853AU) or White (AUU853AUW) finish**239.95**

U853R Cardioid Condenser

Operates on 11v to 52v phantom power only.
Available in Black (AUU853R) or White (AUU853RW) finish.....**184.50**

U853RU UniLine Condenser

Operates on phantom power only; narrow 90° acceptance angle. Available in Black (AUU853RU) or White (AUU853RWU) finish**202.95**

U853PM Cardioid Condenser

Operates on phantom power only; wall/ceiling plate power module. Available in Black (AUU853PM) or White (AUU853PMW) finish ...**184.50**

U853PMU UniLine Condenser

Operates on phantom power only; wall/ceiling plate power module; narrow 90° acceptance angle Available in Black (AUU853PMU) or White (AUU853PMUW) finish**202.95**

	U853A	U853R	U853PM
Frequency Response	30Hz - 20kHz	30Hz - 20kHz	30Hz - 20kHz
Low Frequency Roll-Off	80 Hz, 18dB/octave	80 Hz, 18dB/octave	80 Hz, 18dB/octave
Open Circuit Sensitivity			
Impedance	Phantom: 200 ohms Battery: 270 ohms	250 ohms	200 ohms
Maximum Input Sound Level (1kHz at 1% T.H.D.)	128dB SPL	Phantom: 133dB Battery: 123dB	128dB SPL
Dynamic Range (Typical) 1 kHz at Max SPL	Phantom: 109 ohms Battery: 99 ohms	115 dB	102 dB
Signal-To-Noise Ratio	70 dB, 1 kHz at 1 Pa	70 dB, 1 kHz at 1 Pa	68 dB, 1 kHz at 1 Pa
Mic Module Dimensions	.34 x .48" (L x D)	1.34 x .48" (L x D)	1.34 x .48" (L x D)
Power Module Dimensions	2.48 x .87" (L x D)	3.66 x .74" (L x D)	4.55 x 1.42" (L x D)

REPLACEMENT ELEMENTS

Add versatility to your UniPoint microphones. Different pickup patterns are available with the same high-quality UniPoint design, via interchangeable elements. These elements are screw-on replacements for all AT851, AT853, AT857, AT871 and AT873R models.

Cardioid Element (AUAT853CELE)

Supplied with AT851, AT853, AT857 and AT871.
120° frontal pickup pattern**54.95**

Hypercardioid Element (AUAT853HELE)

Supplied with AT873R. Increases directionality to 100° to provide better gain-before-feedback and reduction of background noise**54.95**

Omnidirectional Element (AUAT853OELE)

Allows operation in all directions with a 360° pickup pattern**54.95**

Subcardioid Element (AUAT853SCELE)

This optional subcardioid element allows a wider 170° frontal working area than a standard cardioid**54.95**

UniPoint SERIES

Gooseneck Condenser Microphones

UniPoint adjustable gooseneck mics are the flexible choice for boardroom, school, government, house of worship and other installed applications worldwide. These distinctive, durable mics feature an improved small-diameter gooseneck with virtually no "memory". The ultra-flexible, robust design permits easy adjustment into desired shape while resisting inadvertent repositioning: When you move the gooseneck, it stays put.

Equipped with A-T's innovative UniGuard technology, they all deliver unsurpassed immunity from radio frequency interference. And all feature an 80 Hz UniSteep filter that reduces pickup of unwanted low-frequency ambient noise.

Interchangeable elements (cardioid, hypercardioid, omnidirectional and UniLine line cardioid) offer an angle of acceptance from 90° through 360° and superior on- and off-axis response for exceptional sonic quality. A two-stage foam windscreens yields outstanding resistance to P-pops and other breath blasts.



U857AL

Cardioid Condenser Adapter-Mount

- ◆ Direct mounts to any 5/8"-27 stand, or to included threaded mounting flange.
- ◆ Operates on a single AA battery for up to 1200 hours or 11-52V DC phantom power.

U857AL (AUU857AL)247.50

U857AU

UniLine Condenser Adapter-Mount

- ◆ UniLine polar pattern provides narrow 90° acceptance angle.
- ◆ Direct mounts to any 5/8"-27 stand, or to included threaded mounting flange.
- ◆ Operates on a single AA battery for up to 1200 hours or 11-52V DC phantom power.

U857AU (AUU857AU)266.50

U857Q/U857QL

Cardioid Condenser Quick-Mount

- ◆ Phantom-powered, self-contained electronics — no need for an external power module.
- ◆ Quick-mount design with 3-pin XLRM-type connector insert at base plugs into any XLRF-type surface or cable connector.
- ◆ Supplied shock mount attenuates noise, shock and vibration transmitted through the mounting surface.

U857Q (AUU857Q): 14.4" length199.95

U857QL (AUU857QL) 18.9" length199.95

U857QU/U857QLU

UniLine Condenser Quick-Mount

- ◆ UniLine polar pattern provides narrow 90° acceptance angle
- ◆ Phantom-powered, self-contained electronics. There is no need for an external power module
- ◆ Quick-mount design with 3-pin XLR-M connector insert at the base allowing it to be instantly installed and removed. Plugs directly into any XLRF-type surface or cable connector.
- ◆ Supplied shock mount attenuates noise, shock and vibration transmitted through the mounting surface.

U857QU (AUU857QU): 19.2" length219.95

U857QLU (AUU857QLU): 23.7" length223.50

U857R/U857RL

Cardioid Condenser Adapter-Mount

- ◆ Direct mounts to any 5/8"-27 stand, or to included threaded mounting flange.
- ◆ Operates on phantom power only.

U857R (AUU857R): 12.01" length209.50

U857RL (AUU857RL): 16.7" length209.50

U857RU/U857RLU

UniLine Condenser Adapter-Mount

- ◆ Narrow 90° acceptance angle.
- ◆ Direct mounts to any 5/8"-27 stand, or to included threaded mounting flange.
- ◆ Operates on phantom power only.

U857RU (AUU857RU): 16.8" length232.50

U857RLU (AUU857RLU): 21.4" length232.50

	U857A	U857Q	U857R
Frequency Response	30Hz - 20kHz	30Hz - 20kHz	30Hz - 20kHz
Low Frequency Roll-Off	80 Hz, 18dB/octave	80 Hz, 18dB/octave	80 Hz, 18dB/octave
Open Circuit Sensitivity ¹	Phantom: -42dB (7.9mV) Battery: -43dB (7.0mV)	-39dB (11.2mV)	-39dB (11.2mV)
Impedance	200 ohms / 270 ohms*	250 ohms	250 ohms
Max. Input Sound Level ²	133dB / 123dB*	139dB SPL	139dB SPL
Dynamic Range (Typical) ³	109dB / 99dB*	115 dB	115 dB
Signal-To-Noise Ratio	70 dB, 1 kHz at 1 Pa	70 dB, 1 kHz at 1 Pa	70 dB, 1 kHz at 1 Pa
Head / Base Diameter	0.48" /	0.48" / 0.74"	0.48" / 0.74"

1. re 1V at 1 Pa 2. 1kHz at 1% T.H.D. 3. 1 kHz at Max SPL *Phantom / Battery

UniPoint SERIES

Boundary Condenser Microphones

Offering outstanding sound for surface-mount applications, Audio-Technica's boundary microphones are ideal for high-quality sound reinforcement and conferencing application. Their small size makes them ideal in situations where minimum visibility is required. Features include a PivotPoint rotating output connector, UniSteep filter and UniGuard RFI-shielding technology. Available in omnidirectional (half space) or hemi-cardioid (half-space cardioid) polar patterns, the microphones are enclosed in a rugged die-cast case and protected by two layers of perforated steel. The combination of heavy die-cast case and rubber non-slip bottom pad minimizes mechanical coupling of surface vibrations to the microphone. With superior off-axis rejection and maximum gain-before-feedback, these professional mics set audio-quality standards in challenging acoustic environments.

THEY ALL FEATURE

- ◆ Designed for surface-mount applications such as high-quality sound reinforcement, professional recording, television, conferencing and other demanding sound pickup situations.
- ◆ PivotPoint rotating output connector allows cable to exit from either the rear or the bottom of the microphone.
- ◆ UniGuard RFI-shielding technology offers outstanding rejection of radio frequency interference (RFI).
- ◆ Superior off-axis rejection for maximum gain before feedback.
- ◆ UniSteep filter (except the U841A) provides a steep low-frequency attenuation to improve sound pickup without affecting voice quality.
- ◆ Small-diameter UniPoint capsule near boundary eliminates phase distortion and delivers clear, high-output performance.
- ◆ Heavy die-cast case and non-slip silicon foam bottom pads minimize coupling of surface vibration to the microphone.



U841A Omnidirectional (Half Space) Condenser Boundary Mic

Low-profile design with low-reflectance black finish for minimum visibility, the U841A features an omnidirectional polar pattern to offer a 360° pickup angle. Operates on a AA battery (up to 1200 hrs) or 11-52v phantom power. Built-in 3-position switch on the AT8531 power module allows selection of off, on/flat response or on/low-roll-off. 25' cable with TA3F-type connectors for use between the microphone and the AT8531 power module is provided.

U841A Black finish (AUU841A)229.95

U851A Cardioid Condenser Mic

- ◆ Low-profile design with low-reflectance black finish for minimum visibility. Operates on a single AA battery (up to 1200 hrs) or 11-52v DC phantom power.
- ◆ Built-in 3-position switch on the power module allows selection of off, on/flat response or on/low-roll-off.
- ◆ 25' cable with TA3F-type connectors for use between the microphone and the AT8531 power module is provided.



U851A Black finish (AUU851A)219.95

U851R Cardioid Condenser Mic

- ◆ Phantom-powered (11-52v) U851R is equipped with self-contained electronics, eliminating the need for an external power module.
- ◆ Recessed switch in the power module permits choice of flat response or low-frequency roll-off to help control undesired ambient noise
- ◆ Includes 25' miniature cable with a TA3F plug for connecting to the microphone

U851R Black finish (AUU851R), **U851RW** White (AUU851RW)192.50

U891R Cardioid Condenser Mic

- ◆ Phantom-powered (11-52v DC) U891R features a programmable three mode touch-sensitive on/off switch: touch-on/touch-off, touch-to-talk (momentary on) and touch-to-mute (momentary off)
- ◆ Red LED indicates when the mic is "on."
- ◆ 2-position switch permits choice of flat response or low-frequency roll-off to help control undesired ambient noise
- ◆ A 25' shielded cable with TA3F and XLRM-type connectors is provided for use between the microphone and electronics inputs



U891R Black finish (AUU891R), **U891RW** (AUU891RW)228.50

U891RC Cardioid Condenser Mic

- ◆ Same as above, except the ultra-smart U891RC is equipped with local or remote switching options. For flexible control in conference and boardroom installations, the unit's external contact closure ability allows a user to trigger an external device—a camera, for instance—from a switch on the microphone. External LED control allows for accurate depiction of the live status of the microphone.

U891RC Black finish (AUU891RC)239.95

ADX SERIES**Contractor Microphones**

Designed for professional sound contracting, installation, and live sound reinforcement applications, the ADX series consists of pre-polarized, low impedance condenser microphones that operate on 9-52v phantom power. In cases where phantom power is not readily available, Audix offers a phantom battery pack (PS-911) which operates on a single AA battery. In the case of the podium microphones, there is an optional table-mount stand (ATS-10) with heavy-duty on-off switch and LED indicator making them excellent choices for teleconferencing. The series includes the micro-sized ADX10 lavalier mic, ADX212 and 218 podium mics, the ADX40 hanging choir mic, and the ADX60 boundary microphone.

ADX10 Miniature Cardioid Condenser Lavalier Mic (AUADX10)

The ADX10 is a mini-size cardioid lavalier with a smooth frequency response (50Hz-18kHz) and studio quality sound. It includes a phantom power adapter (APS-910) and a 6' cable which terminates to a miniature 3-pin Switchcraft XLR connector (TA3F) **129.00**

**ADX60 Low-Profile Cardioid Boundary Microphone** (AUADX60)

A pre-polarized cardioid condenser mic that can handle a wide variety of recording and live sound applications as well as permanent installations. Ideal for podium, room ambience, theater, plays, choirs, and teleconferencing.

Includes the APS-910 phantom power adapter **Call**

ADX40 Overhead Condenser Microphone

A miniature, pre-polarized condenser mic that is designed to hang from an overhead position for applications in professional live sound, music and broadcast. With a smooth uniform response over a frequency range of 20Hz to 20kHz, the ADX40 provides a warm, rich sound not typical of mics this size. Machined from solid brass and available in non-reflective black or white. It includes a phantom power adapter (APS-910) and an attached 30' cable terminating to a miniature 3-pin Switchcraft XLR connector (TA3F).

**ADX40 Overhead Condenser Microphone** (AUADX40)

Cardioid pattern. Non-reflective black color **Call**

ADX40W Overhead Condenser Microphone (AUADX40W)

Cardioid pattern. Non-reflective white color..... **Call**

ADX40HC Overhead Condenser Microphone (AUADX40HC)

Hypercardioid pattern. Non-reflective black color..... **Call**

ADX40WHC Overhead Condenser Microphone (AUADX40WHC)

Hypercardioid pattern. Non-reflective black color..... **Call**

ADX212 Gooseneck Podium Microphones

The ADX212 (cardioid) and ADX212HC (hypercardioid) are miniature pre-polarized condenser microphones designed for professional speech and vocal applications in live sound and broadcast. Most commonly used for pulpits, podiums, board meetings, and teleconferencing, they have a 12" shaft with flex gooseneck near the base and a cardioid or hypercardioid element.



ADX212 Cardioid Microphone (AUADX212) **Call**

ADX212HC Hypercardioid Microphone (AUADX212HC) **Call**

ADX218 Gooseneck Podium Microphones

The ADX218 (cardioid) and ADX218HC (hypercardioid) are the same as the ADX212 mics, except they come with an 18" gooseneck.

ADX218 Cardioid Microphone (AUADX218) **Call**

ADX218HC Hypercardioid Microphone (AUADX218HC) **Call**

**Table Stand** (AUATS10)

The ATS10 heavy-duty table stand provides the ultimate in flexibility and portability. Since the electronics for the ADX212/218 are built right into the base of the mic, all that is needed is to plug the mic directly into the table

stand connector on the top of the base. The mic cable will be plugged into the back of the base and connected to a low impedance mic level input on the mixer or recording device. It has a 2-position on/off switch and LED indicator for mic on. Phantom power is required to operate **Call**

Rubber Shockmount (AUSMT1218R)

The optional SMT-1218R rubber shockmount is used when further shockmount or isolation is required for the ADX212/218 **25.00**

SHM SERIES

Miniature Condenser Gooseneck Microphones

Beyerdynamic's SHM 200 series are high output, miniature condenser gooseneck microphones with extraordinary sensitivity. Their cardioid polar pattern reduces undesirable off-axis sound while providing outstanding gain before feedback. They are ideal for speech applications such as meetings, teleconferencing, speaker's desks, control and mixing consoles, conference halls, sport arenas—anywhere maximum speech intelligibility, high gain before feedback and unobtrusive design are required.

They have a sophisticated, modern design that allows the microphones to blend into each architectural environment perfectly. The mics are mounted on an 8mm thick gooseneck and are powered with any 11-52v phantom power source. For connection the microphones are fitted with a XLR-plug, XLR-socket, Nexusplug or 5/8" thread. Some with XLR-plug or socket are available with an on/off switch. Optional anti-vibration base plates complete the product range. Available in black in different lengths with or without illuminated ring.

SHM 201 A (BESHM201A)
4" Condenser with XLR male**194.95**

SHM 201 AS (BESHM201AS)
4" Condenser with XLR male and On/Off switch**199.95**

SHM 201 AZ (BESHM201AZ)
4" Condenser with XLR male and shock-mount fixture**209.95**

SHM 201 ASZ (BESHM201ASZ)
4" Condenser with XLR male, On/Off switch and shock-mount fixture**218.95**

SHM 203A (BESHM203A)
12" Condenser with XLR male**182.95**

SHM 203AS (BESHM203AS)
12" Condenser with XLR male and On/Off switch**198.50**

SHM 203F (BESHM203F)
12" Condenser with XLR-F**182.95**

SHM 203G (BESHM203G)
12" Condenser, 5/8" female thread, with pre-amplifier**222.50**

SHM 204A (BESHM204A)
16" Condenser with XLR male**189.95**

SHM 204 AS (BESHM204AS)
16" Condenser with XLR male and On/Off switch**198.50**

SHM 205A (BESHM205A)
20" Condenser with XLR male**198.50**

SHM 205AS (BESHM205AS)
20" Condenser with XLR male and On/Off switch**238.50**

SHM 205G (BESHM205G)
20" Condenser, 5/8" female thread, with pre-amplifier**238.50**

SHM 213 A (BESHM213A)
12" Condenser with 5-pin XLR male and illuminated power indicator ring**222.50**

SHM 214 A (BESHM214A)
16" Condenser with 5-pin XLR male and illuminated power indicator ring**229.95**

SHM 215 A (BESHM215A)
Same as above except 20" long**238.50**

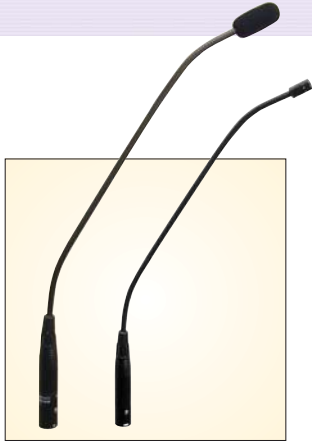
SHM 22 PF

3" Desk or Ceiling Mounted Condenser Gooseneck Microphone

Designed for conference table or ceiling mounting, the unobtrusively designed SHM 22 PF is a flexible gooseneck microphone ideal for corporate conferences, distance learning, and tele/video conferencing. It has a low profile that is preferable to longer goosenecks for aesthetic reasons, while solving the problems created by boundary microphones in situations where a boundary mic may be accidentally covered. Designed for high-quality speech reproduction, it has a cardioid polar pattern to provide high gain-before-feedback, and a flat, wide range frequency response. Has an in-line preamplifier with male standard XLR output.



SHM 22 PF (BESHM22PF): 3" flexible gooseneck terminating in a 3-pin Switchcraft TQG female connector allowing for flush mounting to a table surface**262.50**



ISOMAX SERIES

ISOMAX 4

Podium Microphones

ISOMAX 4 podium microphones deliver outstanding performance on a lectern, pulpit, board table or witness stand. It features Active Vibration Isolation—so no shock mounts are needed! It is available in three lengths, two colors, three polar patterns and a choice of the location of the flexible sections. It includes a windscreen and a storage tube.

RIGID MICROPHONE

HYPERCARDIOID

Black: 12" (COI4H12RB), 18" (COI4H18RB) and 24" (COI4H24RB)**316.95**
White: 12" (COI4H12RW), 18" (COI4H18RW) and 24" (COI4H24RW)**335.95**

CARDIOID

Black: 12" (COI4C12RB), 18" (COI4C18RB) and 24" (COI4C24RB)**316.95**
White: 12" (COI4C12RW), 18" (COI4C18RW) and 24" (COI4C24RW)**335.95**

OMNIDIRECTIONAL

Black: 12" (COI4O12RB), 18" (COI4O18RB) and 24" (COI4O24RB)**316.95**
White: 12" (COI4O12RW), 18" (COI4O18RW) and 24" (COI4O24RW)**335.95**

FLEXIBLE ON BOTTOM

HYPERCARDIOID

Black: 12" (COI4H12BB), 18" (COI4H18BB) and 24" (COI4H24BB)**316.95**
White: 12" (COI4H12BW), 18" (COI4H18BW) and 24" (COI4H24BW)**335.95**

CARDIOID

Black: 12" (COI4C12BB), 18" (COI4C18BB) and 24" (COI4C24BB)**316.95**
White: 12" (COI4C12BW), 18" (COI4C18BW) and 24" (COI4C24BW)**335.95**

OMNIDIRECTIONAL

Black: 12" (COI4O12BB), 18" (COI4O18BB) and 24" (COI4O24BB)**316.95**
White: 12" (COI4O12BW), 18" (COI4O18BW) and 24" (COI4O24BW)**335.95**

FLEXIBLE ON TOP

HYPERCARDIOID

Black: 12" (COI4H12TB), 18" (COI4H18TB) and 24" (COI4H24TB)**316.95**
White: 12" (COI4H12TW), 18" (COI4H18TW) and 24" (COI4H24TW)**335.95**

CARDIOID

Black: 12" (COI4C12TB), 18" (COI4C18TB) and 24" (COI4C24TB)**316.95**
White: 12" (COI4C12TW), 18" (COI4C18TW) and 24" (COI4C24TW)**335.95**

OMNIDIRECTIONAL

Black: 12" (COI4O12TB), 18" (COI4O18TB) and 24" (COI4O24TB)**316.95**
White: 12" (COI4O12TW), 18" (COI4O18TW) and 24" (COI4O24TW)**335.95**

FLEXIBLE ON BOTH ENDS

HYPERCARDIOID

Black: 12" (COI4H12EB), 18" (COI4H18EB) and 24" (COI4H24EB)**316.95**
White: 12" (COI4H12EW), 18" (COI4H18EW) and 24" (COI4H24EW)**335.95**

CARDIOID

Black: 12" (COI4C12EB), 18" (COI4C18EB) and 24" (COI4C24EB)**316.95**
White: 12" (COI4C12EW), 18" (COI4C18EW) and 24" (COI4C24EW)**335.95**

OMNIDIRECTIONAL

Black: 12" (COI4O12EB), 18" (COI4O18EB) and 24" (COI4O24EB)**316.95**
White: 12" (COI4O12EW), 18" (COI4O18EW) and 24" (COI4O24EW)**335.95**

ISOMAX 2 Choir Microphones

Designed for hanging over the choir, stage or audience, Countryman's high-quality ISOMAX 2 choir microphones are so small you don't notice them. They feature unusually uniform pickup over an entire production, and use special cables that won't twist with temperature changes. Precision directional patterns are uniform with frequency. Available in two colors and three polar patterns, it is supplied with windscreen, stiffener for hanging and phantom-powered preamplifier.

ISOMAX 2 Hypercardioid

Available in Black (COCMHCB) and White (COCMHCW)**212.50**

ISOMAX 2 Cardioid

Available in Black (COCMCB) and White (COCMCW)**212.50**

ISOMAX 2 Omnidirectional

Available in Black (COCMOB) and White (COCMOW)**212.50**



ISOMAX DBM Boundary Microphones

Use as a floor mic or podium or table mic, the ISOMAX DBM provides better reach with more uniform gain over a larger area of stage. More gain before feedback with less audience feedback. Includes cable reel, adjustable stage mounting plate and phantom-powered preamplifier.

ISOMAX DBM Stage Microphone with a Pre-Amplifier (COSM)219.95

WIRED MICROPHONES

COUNTRYMAN

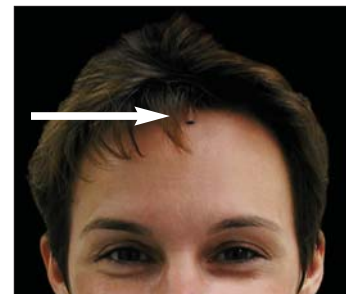
B3

Broadway Series Lavalier Microphone

The B3 is a very small, round, omnidirectional electret microphone specially-equipped to withstand moisture and makeup when placed in the hair or on the body. It will even survive an overnight bath in your favorite cola beverage. Extremely small, the B3 looks



great when you want to see it, hides easily when you don't. Hide it in hair of actors, news anchors and lecturers. Ideal for use in churches, schools and general lavalier applications, the B3 features up to 150dB SPL on 48v phantom power, has field-selectable high-frequency response, and with Kevlar reinforced cable and an ultra thin diaphragm, sets a new standard for low handling noise. Available in five colors (Black, White, Light Beige, Cocoa, Gray).



◆ Excellent choice for hair miking in theater work. Features include moisture resistance, small size, and flat frequency response.

◆ The protective cap on the B3 is easily removed for cleaning or replacement when clogged with makeup.

◆ Includes tie clip, wind screen, belt clip for connector and two high-frequency response control protective caps.

OPTIONAL ACCESSORIES FOR THE B3 AND B6:

Single Tie Clip (COB[]STCB[]).....9.95

Double Tie Clip (COB[]DTC[])16.50

Magnetic Clip (COB[]MAC[])12.95

Viper Clip (COB[]VC[])9.95

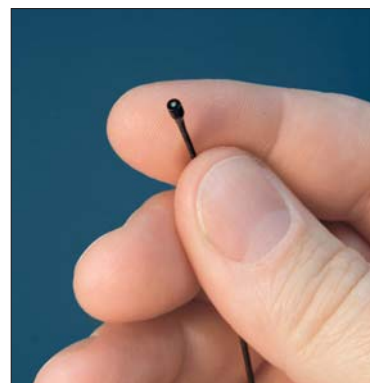
Windscreen (COB[]WS[])5.95

Protective Cap (COB[]PC[])7.50

B6 Incredibly Tiny Lavalier Microphone

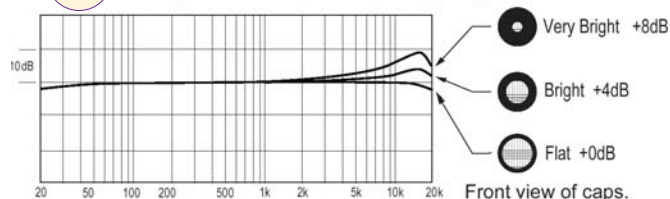
Only one tenth of an inch (2.5mm) in diameter, the B6 is smaller than the cable of other lavalier microphones, yet out performs microphones many times its size. The B6 is effectively hidden when it's in plain sight. For example choose a protective cap near the color of a shirt and poke the B6 out through a button hole. Tape the cable to the back of the shirt to secure it and your done. Say goodbye to the hassle and degraded sound quality you get burying mics under clothing! Hide it in hair or glue on the faces of actors, news anchors and lecturers. It is designed to survive.

Highly resistant to moisture, makeup and other hazards found in a production environment, the B6 will even survive an overnight soak in your favorite cola beverage. The outer screen in the B6's replaceable cap stops makeup and sweat before it enters the mike element. If it clogs, simply remove the cap for cleaning or replacement. The B6 includes a tie clip, wind screen, belt clip for connector and a set of three high frequency protective caps so you can match your application.



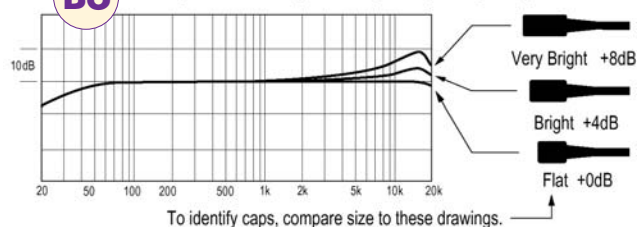
B3

How protective caps change frequency response.



B6

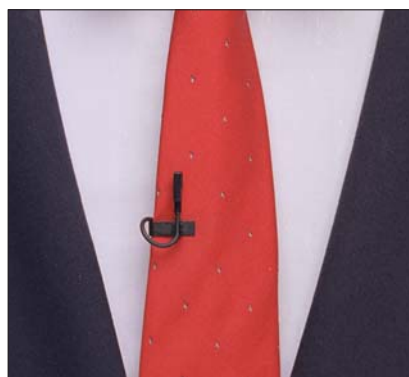
How protective caps change frequency response.



EMW

Square Omnidirectional Lavalier Microphone

The Countryman EMW is a multi-purpose lavalier microphone designed for churches,



schools, interviews, news etc. It features an omni-directional polar pattern, yielding an even frequency and signal response at the direct and indirect sections of the microphone. It features a wide 20Hz to 20kHz frequency response, and is also available in flat (instrument miking, shelved (normal lavalier use) and peaked (for use behind clothing)

frequency response curves. It is highly water resistant and is available in five colors (Black, White, Light Beige, Cocoa, Gray). It includes a viper grip clip, a tie clip, a wind screen and a soft case.



MICROPHONES FOR WIRELESS

Manufacturer	Mic System	Connector Type	B3 Omni Lav Mic	B6 Omni Lav Mic	EMW
AKG	PT40, 60, 61, 80, 8, 2000, 4000	Switchcraft TA3F	B3W[]FF05[]AK	B6W[]FF05[]AK	MEMW[]05[]AK
	PT51, 300, 900	B-LOC (3.5mm)	B3W[]FF05[]AG	B6W[]FF05[]AG	MEMW[]05[]AG
Audio-Technica	T27, 31, 51, 210 ,310, 3000	Hirose 4-pin	B3W[]FF05[]AP	B6W[]FF05[]AP	MEMW[]05[]AT
	T35, 75, 211, 601, 1000	Hirose 4-pin	B3W[]FF05[]AW	B6W[]FF05[]AW	MEMW[]05[]AN
Azden	41BT (UHF)	Hirose 4-pin	B3W[]FF05[]ZU	B6W[]FF05[]ZU	MEMW[]05[]ZU
Beyer	TS170, 170p, 190	Lemo "S" 4pin	B3W[]FF05[]BS	B6W[]FF05[]BS	MEMW[]05[]BS
Lectrosonics	M170, 175	Switchcraft 851	B3W[]FF05[]L2	B6W[]FF05[]L2	MEMW[]05[]L2
	U100, 190, 195, 200, 300, M185	Switchcraft TA5F	B3W[]FF05[]LS	B6W[]FF05[]LS	MEMW[]05[]LS
	M187, UM190, 195, 200, 250, 300	Switchcraft TA5F	B3W[]FF05[]LX	B6W[]FF05[]LX	MEMW[]05[]LS
Nady		Lemo 4-pin	B3W4FF05[]NL	B6W4FF05[]NL	MEMWFF05[]NL
		Switchcraft TA3F	B3W4FF05[]NS	B6W4FF05[]NS	MEMWFF05[]NS
Samson	UT5, TX3 (Black)	Hirose 6-pin	B3W[]FF05[]SA (X)	B6W[]FF05[]SA (X)	MEMW[]05[]SX
	CT3, VT2L	Switchcraft TA3F	B3W[]FF05[]SV	B6W[]FF05[]SV	MEMW[]05[]SV
Sennheiser	SK2012	Microdot	B3W[]FF05[]SE	B6W[]FF05[]SE	MEMW[]05[]SE
	SK-50, SK250	Lemo 3-pin	B3W[]FF05[]S3	B6W[]FF05[]S3	MEMW[]05[]S3
	BF1083	Lemo 1-pin	B3W[]FF05[]S1	B6W[]FF05[]S1	MEMW[]05[]S1
	SK 1093 digital	3.5mm locking plug	B3W[]FF05[]SD	B6W[]FF05[]SD	MEMW[]05[]SD
	Evolution Series EW100, 300, 500	3.5mm locking plug	B3W[]FF05[]SR	B6W[]FF05[]SR	MEMW[]05[]SR
Shure	L-1, L-11, LX1, SC1, U1, T1	Switchcraft TA4F	B3W[]FF05[]SL	B6W[]FF05[]SL	MEMW[]05[]SL
	U1L	Lemo 4-pin	B3W[]FF05[]SU	B6W[]FF05[]SU	MEMW[]05[]SU
Sony	WRT-28, 420, 820	Twist-lock type 4-pin	EB3W[]FF05[]SO	B6W[]FF05[]SO	MEMW[]05[]SO
	WRT822, WRT8B	Twist lock type 4 pin	B3W[]FF05[]SY	B6W[]FF05[]SY	MEMW[]05[]SY
	WRT-805, URX-B1	3.5mm locking plug	B3W[]FF05[]SN	B6W[]FF05[]SN	MEMW[]05[]SN

If your wireless system is not listed here, give us a call or check our website for additional models (many more are available). When ordering, please specify desired color and microphone sensitivity.

WIRED MICROPHONES

COUNTRYMAN

E6i EarSet

Ultra Light Headset Microphones

The E6i EarSet microphone is a world-class vocal mic so unobtrusive it's barely seen as it delivers high quality voice pickup, while rejecting surrounding noise and feedback. Ideal for clergy, performers, trade show presenters, auctioneers, teachers and lecturers, and ultra-miniature electret condenser element is held close to the mouth by a thin boom and comfortable earclip. The entire assembly weighs less 0.2 oz. and virtually disappears against the skin, so performers forget they're even wearing a mic. The omnidirectional element is nearly immune to wind and breath pops, even when used without a wind-screen, while the boom keeps it very close to the mouth for excellent isolation. Light and springy, the E6i clips around the ear, not the head so it doesn't interfere with hairstyles, headphones or hats. Available in Light Beige, Tan, Cocoa and Black colors.



FEATURES

- ◆ The industry's smallest, lightest and least visible headworn microphones.
- ◆ Sounds like a world-class, full-size performance microphone—frequency response is better than 20Hz to 20 kHz and dynamic range is over 100dB dynamic range—but hands-free, and the performer has complete freedom of movement.



- ◆ Extremely versatile, the soft, highly flexible boom is easily shaped right on your face.
- ◆ Changeable protective caps let you shape the frequency response for different situations or to match other microphones.

- ◆ For use with most wireless transmitters or hard-wired phantom power with adapter.
- ◆ Includes easily-hidden, quick-connect miniature 1mm, or optional heavy-duty 2mm cables. Cables are available for almost any wireless transmitter or phantom mic input providing 3 - 48v.
- ◆ Different versions available for speaking or singing with up to 140dB SPL capability.



- ◆ Clips directly to your ear. No conflict with hairstyles. No adjustment needed for the width of your head. The cable attaches with a quick connect connector for easy service.
- ◆ The E6i is exceptionally resistant to makeup, sweat and moisture when used with the supplied protective caps. Caps and cable are field-replaceable without tools.

- ◆ Offers inexpensive cable replacement. With other mics a worn cable requires purchasing a completely new mic. But with the E6i you can buy a replacement cable in advance and easily replace it in less than a minute.
- ◆ Stainless steel, skin-colored almost unbreakable boom can be bent and re-bent many times to fit different performers.

Omni and Uni-Directional Versions

E6i EarSets are available in omni and directional versions, giving the user some exceptional advantages. Very user-friendly for new and experienced users alike, the omni EarSet rejects unwanted sound and reduces feedback in meeting rooms or houses of worship, better than a lavalier almost any way you wear it (an average of 12dB compared to an omnidirectional lavalier). For situations where there are loud monitors, extreme feedback or environmental noise, choose the directional EarSet. It's much smaller and less obtrusive compared to anything else on the market.

Each mic is supplied with three response-adjusting protective caps, storage case, windscreen, collar clips and positioning instructions. XLR models also include a belt clip. They are powered by the wireless transmitter or via 9-48v phantom power.

Mic Options

- ◆ Available in four colors (light beige, tan, cocoa and black), with tan being the most popular. You can also choose a separate color for the cable.
- ◆ The earsets are available in three sensitivities for different performance styles:

E6OW5 (for general speaking and vocals)
Sensitivity: 6.0 mV/Pascal; 125 dB SPL

E6DW5 (normal conversational levels)
Sensitivity: 7.0 mV/Pascal; 125 dB SPL

E6OW6 (for powerful speaking and vocals)
Sensitivity: 1.9 mV/Pascal; 135 dB SPL

E6DW6 (projected voices, sermons)
Sensitivity: 2.0 mV/Pascal; 135 dB SPL

Model E6OW7 (for very powerful vocals)
Sensitivity: 0.6 mV/Pascal; 145 dB SPL

E6DW7 (very loud voices, monitor levels)
Sensitivity: 0.7 mV/Pascal; 145 dB SPL

ISOMAX HEADSET MICROPHONE

The Isomax Headset Microphone consists of a headband and a boom mike. The headband is a telescoping band of tubing that fits around the back of the head like a backwards pair of glasses allowing it to be easily concealed under the wearer's hair. The boom mike telescopes and can be bent to provide a custom fit. Available with cardioid or hypercardioid polar pattern in black or light skin tone colors.

- ◆ The headband fits around the back of your head for minimum visibility. It has a telescopic, adjustable mini-mike boom. Designed to have a snug, comfortable fit.
- ◆ Wide 20Hz to 20kHz response shaped like the worlds most popular vocal microphone. Not at all like a communications type headset. Truly dynamic warmth with condenser clarity.
- ◆ Handles high sound levels up to 150dB SP.
- ◆ Special versions available for direct powering from most wireless transmitters. Phantom powered version has pop free switch and belt clip built into the connector.
- ◆ Nearly perfect cardioid and hypercardioid patterns handle hot monitors better than most handhelds.



MICROPHONES FOR WIRELESS

Manufacturer	Mic System	Connector Type	E6i Omni	E6i Uni	ISOMAX Headset
AKG	PT40, 60, 61, 80, 8, 2000, 4000	Switchcraft TA3F	E6OW[][]AK	E6DW[][]AK	M2[]W3HH05AK
	PT51, 300, 900	B-LOC (3.5mm)	E6OW[][]AG	E6DW[]JFF05[]AG	M2[]W3HH05AG
Audio-Technica	T27, 31, 51, 210, 310, 3000	Hirose 4-pin	E6OW[][]AT	E6DW[]JFF05[]AP	M2[]W5FF05AT
	T35, 75, 211, 601, 1000	Hirose 4-pin	E6OW[][]AN	E6DW[]JFF05[]AW	M2[]W5FF05AV
Azden	41BT (UHF)	Hirose 4-pin	E6OW[][]ZU	E6DW[]JFF05[]ZU	M2[]W5FF05ZU
Beyer	TS170, 170p, 190	Lemo "S" 4pin	E6OW[][]BS	E6DW[]JFF05[]BS	M2[]W5FF05BS
Lectrosonics	M170, 175	Switchcraft 851	E6OW[][]L2	E6DW[]JFF05[]L2	M2[]W4FF05L2
	U100, 190, 195, 200, 300, M185	Switchcraft TA5F	E6OW[][]LS	E6DW[]JFF05[]LS	M2[]W5FF05LS
	M187, UM190, 195, 200, 250, 300	Switchcraft TA5F	E6OW[][]LS	E6DW[]JFF05[]LX	M2[]W5FF05LS
Nady		Lemo 4-pin	E6IOW5[]NL		MHHW5HH05[]NL
		Switchcraft TA3F	E6IOW5[]NS		MHHW5HH05[]NS
Samson	UT5, TX3 (Black)	Hirose 6-pin	E6OW[][]SX	E6DW[][]SX	M2[]W5FF05SX
	CT3, VT2L	Switchcraft TA3F	E6OW[][]SV	E6DW[]JFF05[]SV	M2[]W5FF05SV
Sennheiser	SK2012	Microdot	E6OW[][]SE	E6DW[]JFF05[]SE	M2[]W3FF05SE
	SK-50, SK250	Lemo 3-pin	E6OW[][]S3	E6DW[]JFF05[]S3	M2[]W3FF05S3
	BF1083	Lemo 1-pin	E6OW[][]S1	E6DW[]JFF05[]S1	M2[]W3FF05S1
	SK 1093 digital	3.5mm locking plug	E6OW[][]SD	E6DW[]JFF05[]SD	M2[]W3FF05SD
	Evolution Series EW100, 300, 500	3.5mm locking plug	E6OW[][]SR	E6DW[]JFF05[]SR	M2[]W5FF05SR
Shure	L-1, L-11, LX1, SC1, U1, T1	Switchcraft TA4F	E6OW[][]SL	E6DW[]JFF05[]SL	M2[]W5FF05SL
	U1L	Lemo 4-pin	E6OW[][]SU	E6DW[]JFF05[]SU	M2[]W5FF05SU
Sony	WRT-28, 420, 820	Twist-lock type 4-pin	E6OW[][]SO	E6DW[]JFF05[]SO	M2[]W5FF05SO
	WRT822, WRT8B	Twist lock type 4 pin	E6OW[][]SY	E6DW[]JFF05[]SY	M2[]W5FF05SY
	WRT-805, URX-B1	3.5mm locking plug	E6OW[][]SN	E6DW[]JFF05[]SN	M2[]W5FF05SN

If your wireless system is not listed here, give us a call or check our website for additional models (many more are available). When ordering, please specify desired color and microphone sensitivity.

MB SERIES

Mini-Boundary Microphone System

With their incredibly small size, the MB Series offers a wide range of options and flexibility—making boardroom installations much easier. Using miniature, low-profile designs, these mini-boundary, supercardioid mics virtually disappear when installed, yet provide the same great sound as Crown's highly-acclaimed PCC microphone series at a substantial savings compared to traditional microphones.

Designed with the help of leading audio consultants and contractors, the MB Series is a comprehensive system of microphones and electronics that's perfect for a wide range of applications. Comprised of five microphones—three that work with the innovative MB-100 and MB-200 interfaces and two that operate in a traditional stand-alone manner—the MB System lets you mix and match microphones as needed for multiple configurations.

Designed to accommodate up to four microphones, the MB interfaces provide four separate inputs, outputs and programmable switching connections. With easy-hookup Phoenix connectors and a low profile, the MB interface mounts quickly and conveniently beneath a tabletop. All MB System microphones feature a surface-mounted supercardioid capsule for extended reach and clarity and a built-in red LED that illuminates when the microphone is active.

The MB-1, MB-2, MB-3 and MB-4 are each designed for multi-miking applications such as teleconferencing, distance learning, boardrooms, and courtrooms. The MB-3 can also be used for surveillance in security applications, and the MB-4 in TV or theatrical applications.



FEATURES

- ◆ Removable grille assembly can be painted
- ◆ Remote sensing of switch closure (in MB-200)
- ◆ A common interface for up to four mics reduces the size and cost of the system
- ◆ Electret condenser mic elements deliver clean, clear, natural sound
- ◆ Low-Z balanced output prevents hum and high-frequency loss
- ◆ On/off switches can be added
- ◆ Switches can be internally programmed for touch-on/touch-off, momentary on, or momentary off (not on MB-3)
- ◆ Defeatable LED (not on MB-3)
- ◆ They operate on 12-48v DC phantom power
- ◆ Three year warranty

MB SYSTEM ELECTRONICS INTERFACE

The MB-100 and MB-200 are electronic interfaces that power up to four Crown mini-boundary MB-1, MB-2, or MB-4/E microphones. Interfacing up to four mics reduces the size and cost of the mic system and reduces installation time.

The MB-100 provides programmable switching to turn the mic on or off if desired (switches not provided). The MB-200 is the same plus it also has remote switch sensing via an optical coupler.

Two microphones can be wired to each pluggable terminal block, which plugs into the MB-100 or MB-200. Pluggable terminal blocks are also provided for the balanced outputs on the interface, and for remote switch sensing. They are powered by 18 to 48v phantom power from a mixer or a phantom power supply.

- ◆ Powers and equalizes up to four mics
- ◆ Provides balanced outputs from the interface





- ◆ Common interface for up to four microphones reduces the size and cost of the system
- ◆ Pluggable microphone inputs



MB-100 (CRMB100)265.95

MB-200 (CRMB200)354.95

MB SERIES

MB-1 Removable Aluminum Insert	MB-2 Removable Phone Jack	MB-3 Built-in Electronics	MB-4/MB-4E For Temporary Installations
			

A low-profile circular microphone just 1.3" wide, the MB-1 features a bottom-mounted 1/4" stereo phone plug for quick insertion and removal from the supplied table insert.

A table insert with a phone jack that accepts the mic is included. Featuring a black anodized aluminum finish, the insert flush-mounts in a hole drilled in the table. It can be permanently installed, and includes a black dust cap for use after meetings when the mic is removed.

Thanks to its supercardioid pickup pattern, the MB-1 greatly reduces ambient noise and pickup of room reverberation. The result is a clearer sound.

In combination with an MB-100 or MB-200 Interface, the MB-1 can be programmed for multiple switching functions.

Available in black anodized (MB-1), solid brass (MB-1BR) and paintable aluminum (MB-1AL) finishes.

The tiny MB-2 (less than 1 x 1/2") is a removable low-profile rectangular mic featuring a 1/4" stereo phone plug for quick insertion and removal from a standard contractor-supplied jack (Switchcraft 152B Thick Panel Phone Jack or equivalent). A locating pin (removable) prevents the microphone from being rotated.

Thanks to its supercardioid pickup pattern, the MB-2 greatly reduces ambient noise and pickup of room reverberation. The MB-2 features multiple switching modes when used with an MB Interface.

A stand-alone unit with a built-in electronics package, the low-profile MB-3 mounts easily into tabletops, lecterns, walls or ceilings for permanent installation.

On the bottom of the mic is a tubular power module with a 3-pin XLR-type output connector. It is powered by 12-48v phantom power, and has a low-impedance balanced mic-level output.

Thanks to its supercardioid pickup pattern, the MB-3 greatly reduces ambient noise and pickup of room reverberation. The result is a clearer, more intelligible sound.

The MB-4 is a mini rectangular microphone for stand-alone use. A power module with an attached 15' XLR cable has all the required mic electronics built-in. The mic is powered by 12-48v DC phantom power, and is low-impedance balanced. The cable may be positioned to exit either the bottom or rear of the microphone.

Double-sided sticky tape is provided for attaching the unit under shelves, on walls, etc.

Thanks to its supercardioid pickup pattern, the MB-4 greatly reduces ambient noise and pickup of room reverberation. The result is a clearer sound.

The MB-4 is also available in a pigtail version. The MB-4E is the same, but without the electronics connector. Its cable fits through a small hole in the mounting surface and is intended for use with the MB Interfaces. (Must be used with the MB-100 or MB-200).

MB-1 Table Top Boundary Mic: Available in Black (CRMB1Q), Brass (CRMB1BR) and Aluminum (CRMB1AL) finishes.....	123.95
MB-2 Table Top Boundary Mic (CRMB2Q)	105.95
MB-3 Surface-Mount Boundary Mic (CRMB3Q)	168.95
MB-4 Boundary Mic (CRMB4Q): With a standard XLR output.....	105.95
MB-4E Boundary Mic (CRMB4E): Same as the MB-4 with an unterminated "pig-tail" connection.....	105.95

MB SERIES SPECIFICATIONS

Frequency Response	Sensitivity	Impedance	Polar Pattern
50 Hz to 15 kHz	22 mV/Pa	50 ohms	Half-Supercardioid

PCC SERIES

Phase Coherent Cardioid Microphones
for Stage Floor, Altar Tables, Boardrooms and Teleconferencing

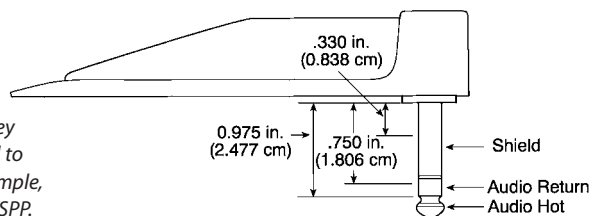
Crown's PCC (Phase Coherent Cardioid) Series microphones offer exceptional acoustic performance in handsome, low-profile enclosures. Designed for high-end theatrical work, the PCC Series has become the standard for stage miking applications. These mics also provide an elegant solution for discrete multi-mic applications, such as lecterns and boardroom tables as well as altar, teleconferencing and distance-learning applications.

Each mic employs Crown's Phase Coherent Cardioid boundary mic technology to provide impressive gain before feedback and directional pickup without sacrificing tonal quality. This results in microphones with a wide, smooth frequency response, free of phase interference from surface sound reflections. Designed to withstand the rigors of the stage, each microphone has been finely crafted using the very best materials while maintaining affordability. Their low profile enables them to be placed inconspicuously on the stage floor, on a lectern, or any other appropriate surface. Flexibility is further enhanced by a membrane switch control option for boardroom and podium applications. This unique, silent operating switch can be configured three ways: touch on/off, momentary on, or momentary off operation.

FEATURES

- ◆ They are surface-mounted miniature cardioid microphone of professional quality. Handsomely styled, they are appropriate for use on the most elegant boardroom table or lectern. Other applications include churches, courtrooms and teleconferencing
- ◆ By mounting a small-diameter mic capsule very near a surface or boundary, direct and reflected sound waves arrive at the mic in-phase. This increases sensitivity 6 dB and ensures phase coherency up to the highest frequencies in the audible spectrum resulting in a wide, smooth frequency response free of phase interference. Clarity and reach are also enhanced
- ◆ Electret-condenser capsules provides a wide, smooth frequency response from 50Hz to 20kHz. RFI suppression is included. Self-noise is low and sensitivity is very high
- ◆ Capable of withstanding up to 120 dB SPL without distortion, they will never overload in practical use
- ◆ All include three-position (Flat, Cut and Boost) bass-tilt switch on the bottom of the microphones allows you to tailor the low-end frequency response for particular applications. On the bottom of the mics are a three-position switch allowing you to adjust low-frequency response:
 - The FLAT position provides a flat low-frequency response, for normal usage. They are shipped from the factory in flat position
 - The CUT position rolls off the bass, useful in noisy or boomy surroundings
 - The BOOST position boosts the bass for a more natural sound when the mic is used on a small surface such as a lectern
- ◆ Self-contained electronics eliminate the need for an in-line preamp. Powered by 12-48v DC phantom power, they have a low-impedance balanced output which permits long cable runs without hum pickup or high-frequency loss.
- ◆ They use a Switchcraft TB3M mini-XLR as their standard connection. In addition, all except the PCC-160 can be ordered with a 1/4" stereo phone plug on the bottom of the base plate (they have the suffix "SPP" added to the model number)
- ◆ All mics (except SPP versions) include a black 15' cable with Switchcraft TA3F (mic end) and an XLR-M connector (output).
- ◆ Because of their highly directional pickup pattern, they minimize background noise and feedback.
- ◆ Permanent mounting is enabled by screw holes in the base
- ◆ Engineering attention-to-detail assures years of reliable use.
- ◆ All except the PCC-160 (all steel construction) are made of high-impact molded plastics and steel mesh grille.
- ◆ They each include a three-year warranty.
- ◆ All mics are available in an off-white version to blend with church altars or any situation where a lighter color is called for.

All except the PCC-160 are available with a 1/4" stereo phone plug on the bottom of the base plate instead of a cable. They have the suffix "SPP" added to the model number. For example, PCC-130SPP or PCC-170SW/SPP.



PCC SERIES**PCC-130/130W**
Mighty Mini Boundary

Sometimes, unobtrusive just isn't enough. Enter the PCC-130, featuring exceptional performance with the appearance of the PCC-170 in a package only about half the size. When the situation simply demands that a mic be heard but not seen, the PCC-130 with its small size, gives you an obvious choice. Its cardioid pattern reduces background noise, reverb, and feedback.



PCC-130: Available in Black (CRPCC130) and White (CRPCC130W)**239.50**

PCC-130SPP: Base-mounted, 1/4" stereo phone plug version. Available in Black (CRPCC130SPP) and White (CRPCC130WSPP).....**239.50**

PCC-130SW
Mighty Mini Boundary

Same as the PCC-130, the PCC-130SW also offers a membrane switch control option. This makes it ideal for multiple-microphone use on a conference table where each person wants control of his or her microphone. A bottom-mounted slide switch configures the silent-operating membrane switch for touch on/off, momentary on or momentary off. A high-intensity LED lights when the unit is on. In the off position, the mic is attenuated 70 dB.



PCC-130SW (CRPCC130SW): With XLR connection**265.95**

PCC-130SWSP (CRPCC130SWSP) Same as the PCC-130SW, but with a 1/4" stereo phone-plug**265.95**

**PCC-160/160W**
Industry-Standard Boundary Mic

Long recognized as an industry-standard stage-floor microphone, the supercardioid PCC-160 is also great for lecterns, conference tables and news desks—anywhere maximum gain and articulation are essential. Thanks to its low profile and black finish, the microphone becomes almost invisible in use. A side-mounted connector complements the form factor of the PCC-160, allowing the unit to be placed effectively at the stage edge, at the top of a lectern or in other tight spots. If desired, the cable can be hard-wired for bottom entry. The heavy-gauge, all steel body protects the unit from abuse. Available in off-white finish (PCC-160W) for blending with church altars and other surroundings where a lighter color is appropriate.

PCC-160 (CRPCC160): Black finish**284.50** **PCC-160W** (CRPCC160W): White finish.....**283.95**

PCC-170/170W
The Elegant Boundary

A larger, more elegant version of the PCC-130, the PCC-170 features a frequency response carefully tailored to create extremely natural voice reproduction. Equally adept in the boardroom, at the lectern, or for teleconferencing. Available in off-white finish for surroundings where a lighter color is appropriate.



PCC-170: Available in Black (CRPCC170) and White (CRPCC170W)**257.95**

PCC-170SPP: Base-mounted, 1/4" stereo phone plug version. Available in Black (CRPCC170SPP) and White (CRPCC170WSPP).....**257.95**

PCC-170SW
The Elegant Boundary

The PCC-170SW is the same as the PCC-170, plus it also offers a membrane switch control option. This is ideal for multiple-mic use on a conference table where each person wants control of his or her microphone. A bottom-mounted DIP switch configures the membrane switch for touch on/off, momentary on or momentary off. A high-intensity LED lights when the unit is on. In the off position, the mic is attenuated 70dB.



PCC-170SW (CRPCC170SW): With XLR connection**274.95**

PCC-170SWSP (CRPCC170SWSP): With 1/4" stereo phone-plug**274.95**

PCC-170SWO (CRPCC170SWO): Includes all the features of the PCC-170SW, and adds remote sensing of the switch closure.....**319.95**

LM SERIES**Lectern Microphones**

for Schools, Government, Boardrooms, and Houses of Worship



Crown's LM (lectern microphones) Series is designed to provide clear, precise vocal reproduction with superior noise rejection in an elegant, functional package. Simple installation and stylish looks complement any lectern application, from the corporate boardroom to the bully pulpit, while their durable high-quality design provide years of consistent, reliable performance. Featuring a supercardioid element, they virtually eliminate the potential for undesirable noise to enter the system, even at high gain levels. Performance is further enhanced by specially designed pop filters that effectively reduce explosive breath sounds. Add their silent-operating gooseneck and shock mount designs, and you understand why

LM Series microphones are so easy to position and use. Designed for the most demanding applications, they are manufactured with top-quality materials and feature reinforced joints and connections. Each microphone is individually tested to ensure perfect performance out of the box.

LM-201**Supercardioid Condenser Lectern Microphones**

Slim, rugged and unobtrusive, the LM-201 is a professional-quality, supercardioid condenser microphone with a 16" arm, that is ideal for legislature, city council and other demanding lectern applications. It easily installs with the included mounting screws. When swiveled to the desired position, adjustment is far quieter than conventional gooseneck microphones.

- ◆ Rugged and is built to withstand daily use.
- ◆ Ball-and-socket joint combines with a rugged mic arm to provide quiet, long-term operation.
- ◆ Wire-screen grille with two-stage pop filter reduces pickup of explosive breath sounds.
- ◆ An external foam windscreen is supplied for extra pop rejection or for outdoor use.
- ◆ The base and mic capsule are shock-mounted to attenuate handling noise and lectern thumps.
- ◆ Powered by 9-48v DC phantom power

LM-201 Lectern Microphone (CRLM201P)
Black finish**309.95**

LM-201B Lectern Microphone (CRLM201B)
Brown finish**309.95**

LM-300A/300AL**Supercardioid Condenser Dual Gooseneck Lectern Microphones**

No matter the situation, the elegant LM-300A, LM-300AL and LM-301A can meet the need. Dual-gooseneck microphones for lecterns, pulpits, or similar applications, each is a professional-quality, electret-condenser mic with superb supercardioid performance and noise rejection. Explosive breath sounds are effectively reduced with the supplied foam 2-stage pop filter, while a flat/low-cut switch further reduces breath pops.

The LM-300A (17¼") and the 22" LM-300AL (extended) plug directly to an XLR female panel connector. The microphone screws onto a standard 5/8"-27 thread. Includes LM-SM shock mount for situations requiring even more isolation from noise.

LM-300A (CRLM300A): 17¼" gooseneck.....294.95 **LM-300AL (CRLM300AL): 22" gooseneck.....299.95**

**LM-301A****Supercardioid Condenser Miniature Dual Gooseneck Mic**

Designed for professional use on lecterns as well as inconspicuous miking of musical instruments, the LM-301A comes in two parts: microphone cable and a cylindrical electronics housing. The microphone has a built-in 5/8"-27 threaded collar that can be screwed onto a mic stand, mic boom or an Atlas AD-12 male flange. Because of the unique design of the mounting collar, the mic cable can be routed either outside or inside the mounting collar. Includes the LM-301SMA shock mount adapter for use with the LM-SM shock mount. (CRLM301A)**369.95**

FLEX SERIES

Gooseneck Mics for Podiums and Choirs

Earthworks Flex Microphones are a dramatic improvement over other gooseneck microphones. Their clean, natural on-axis pickup, and smooth, uncolored off-axis rejection make them superb for a wide range of applications including sound reinforcement. In all of them, you will hear the exceptional Earthworks microphone sound quality that has made them famous (i.e. an extremely accurate and open sound that is crystal clear). Flex Mics are user friendly and provide excellent gain before feedback, because there are no severe off-axis peaks or dips in their response.

For podium use, Flex Mics are spectacular! They capture oration uniformly across a wide area of the pickup pattern. This greatly improves intelligibility, especially with inexperienced orators who can be as much as 90° off-axis. With the Flex Mic, you will still hear them and they will still have the same excellent sound quality as on-axis, just 2 or 3dB softer. All of this makes the Flex Mics ideal for crystal clear communications in such venues as churches, auditoriums, meeting and boardrooms. Once you have experienced the performance of Earthworks Flex Mics, you will never use anything else for podiums and similar applications.

FM360

Don't let its diminutive size fool you. Although it is only 13" long, the FM360 is equipped to dominate in situations which require a very low profile in order to get it right. It provides superb intelligibility and sound quality, and is ideal for a wide range of applications from a tall lectern to courtroom and tabletops. Orators will be highly intelligible and you will have more gain before feedback. Available in cardioid and hypercardioid.

FM360 (EAFM360): Cardioid.....**449.00**

FM360/HC (EAFM360HC): Hypercardioid..**449.00**

FM500

At 19", this is just the right length for most podium and church applications. The FM500's swan-like neck can be adjusted with very little handling noise and it will stay where you put it. It is a good size to position unobtrusively into an instrumental ensemble or in front of a choir for sound reinforcement or recording. Orators will be highly intelligible and you will have more gain before feedback. Available in cardioid and hypercardioid.

FM500 (EAFM500): Cardioid.....**449.00**

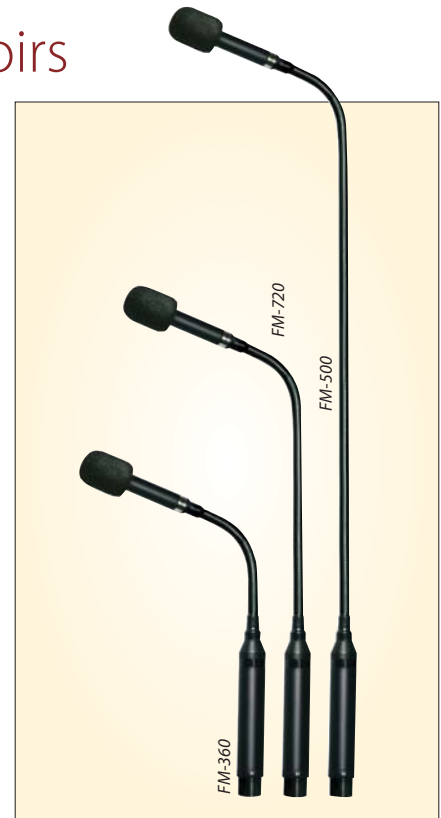
FM500/HC (EAFM500HC): Hypercardioid..**449.00**

FM720

At 27", the extra-long FM720 is ideal for applications where extra length in a gooseneck is required. Totally flexible, it allows precise positioning with no handling noise. Orators will be highly intelligible and you will have more gain before feedback. Available in cardioid and Hypercardioid.

FM720 (EAFM720): Cardioid.....**449.00**

FM720/HC (EAFM720HC): Hypercardioid..**449.00**



	FM360	FM360/HC	FM500	FM500/HC	FM720	FM720/HC
Polar Pattern	Cardioid	Hypercardioid	Cardioid	Hypercardioid	Cardioid	Hypercardioid
Frequency Response ¹	50Hz - 20kHz	50Hz - 20kHz	50Hz - 20kHz	50Hz - 20kHz	50Hz - 20kHz	50Hz - 20kHz
Signal-to-Noise Ratio ²	22dB	22dB	22dB	22dB	22dB	22dB
Maximum Input Sound Level	145dB SPL	145dB SPL	145dB SPL	145dB SPL	145dB SPL	145dB SPL
Power Requirements ³	+48v	+48v	+48v	+48v	+48v	+48v
Output Impedance	600 ohms between pins 2 & 3	600 ohms between pins 2 & 3	600 ohms between pins 2 & 3	600 ohms between pins 2 & 3	600 ohms between pins 2 & 3	600 ohms between pins 2 & 3
Output Connectors	3-pin XLR	3-pin XLR	3-pin XLR	3-pin XLR	3-pin XLR	3-pin XLR
Dimensions (Length x Diameter)	13 x .86"	13 x .86"	19 x .86"	19 x .86"	27 x .86"	27 x .86"

1. ±2dB @ 6"

2. SPL Equivalent (A Weighted)

3. Phantom Power

(212) 444-6605 • 1-800-947-9905 • Quick Dial 91



RE-SERIES

Installation Microphone Series

Using an EV RE-Series microphone is easy and enjoyable for everyone. The presenter will sound his or her natural best, without fear of feedback, cut-out, noise or distortion – or of sounding like a different person when switching microphones. These miniature electret condenser microphones are available in podium, hanging, lapel and boundary models. Fixed. Portable. Omnidirectional. Unidirectional. An EV family of microphones suitable for many applications and venues. Each with the same great sensitivity to sound pick-up and a remarkable clarity and consistency. Even when shifting from one RE-series mic to another — they have the same frequency response characteristics. No need to remix. It's all in the family. But there is more. Streamlined, they blend seamlessly into the architecture. For easy installation and use, the power module is integrated within each mic — no need to install a separate unit. Yet, the lapel mic is smaller, the hanging mics more shapely, the podium mics more slender, and the boundary mics lower in profile, than others on the market.



RE90P-12/RE90P-18

Unidirectional Podium Microphone

Acoustically designed for high-quality sound reinforcement and public address applications, this slim-profile podium mic picks up and reproduces sound naturally for either distant or close-up delivery. The gooseneck, 12" (RE90P-12) or 18" (RE90P-18), can be precisely positioned without excessive twisting and turning. Small in diameter, it has two supple joints and a rigid center tube. The electronics module is housed in the gooseneck base, which makes installation and service quick and easy. The RE90P mounts to a lectern, pulpit, or podium equipped with the proper receptacle. Or install with the optional flange-mount and shock-mount kits. Unobtrusive, however it is used.



- ◆ Small, streamlined appearance
- ◆ Quick-connect to female XLR-type, 3-pin receptacle
- ◆ Permanent installation with optional FMK flange-mount kit and CPSM shock-mount kit
- ◆ Position microphone exactly without unsightly twisting and turning
- ◆ Uniform cardioid polar pattern
- ◆ Steel construction reduces noise from magnetic field and RFI
- ◆ Exclusive Multiport windscreen virtually eliminates "P" pops.

RE90P-12 (ELRE90P12)
12" gooseneck

RE90P-18 (ELRE90P18)
18" gooseneck

RE90H/RE90HW

Unidirectional Hanging Microphone

Ideal for choir, instrumental and vocal groups, and live theatre, this hanging microphone is so sensitive it catches the smallest sigh, the softest note. So faithful to the performance, so natural in delivery, everyone in the audience can hear every word. It's ideally suited for distant sound pick-up, with a precisely controlled polar response designed to suppress feedback without coloring the sound. The RE90H features an exclusive braided, shielded cable which prevents the microphone from rotating, keeping it firmly in place, even with wide swings in temperature or humidity. There's no need for awkward "fish-line" tethering.



- ◆ Available in a non-reflecting black (RE90H) or low-gloss white (RE90HW) finish with a matching cable
- ◆ Shielded pre-amp is highly-resistant to electrical noise and radio frequency interference
- ◆ High gain electronics for added reach
- ◆ 25' braided, shielded cable maintains microphone's position (no rotation)
- ◆ Cardioid polar pattern
- ◆ Three-pin male XLR-type output connector

RE90H (ELRE90H)
Non-reflecting black finish

RE90HW (ELRE90HW)
Low-gloss white finish

RE-SERIES

RE90L (ELRE90LAT)

Ultra Miniature Omnidirectional Lapel Mic

Hearing is believing (you have to look closely to see it). Ultra-miniature and ultra-lightweight, you can easily forget that you are wearing it. Designed for sound reinforcement in applications such as houses of worship, schools and business presentations, this small, light microphone has the highest quality sound characteristics. It is well-balanced throughout its full range. Omnidirectional output is uniform and natural, no matter where the mic is placed. The lightweight polycarbonate compact electronics housing is very durable. A side clip attaches the unit to belt, waistband or pocket.



- ◆ Ultraminiature and lightweight (the smallest available).
- ◆ Tiny but sturdy 6" shielded cable
- ◆ Alligator and tie-tac clips included
- ◆ Lightweight, clip-on electronics pack

RE92H/RE92HW

Unidirectional Condenser Hanging Mic



The RE92H/RE92HW are professional quality miniature cardioid electret condenser mics designed for applications where the microphone needs to be suspended from above the sound source. Ideal for theater, houses of worship, or any application where a small, high quality mic needs to be "heard but not seen". The integrated wire director can be easily formed at the proper angle so that the mic points at the desired sound source. Has a cardioid polar pattern for high gain before feedback, and a condenser element provides clear and

natural sound reproduction. Available in black and white finishes, the mic features 25' of cable, and is terminated in an in-line amp module. XLR output provides an ultra-low noise floor.

- ◆ Wide, smooth frequency response
- ◆ Cardioid polar pattern
- ◆ In-line electronics module
- ◆ 12dB/octave switchable high pass filter
- ◆ Transformerless differential output to drive long cables

RE92H (ELRE92H)

Non-reflecting black finish

RE92HW (ELRE92HW)

Low-gloss white finish

RE90B/RE90BW

Boundary Microphone

With the lowest profile of any boundary microphone, the RE90B/RE90BW is one of the smallest available. Unidirectional, it picks up every word and delivers it fully and naturally, without the distraction of ambient noise.



The RE90B is specifically designed for surface-mounted applications such as distance learning centers, video- or teleconferencing systems, classrooms, and houses of worship. It can be placed on a surface for temporary use, routing its miniature cable from the rear where it's barely visible. Or installed permanently, with the hidden cable routed through a hole in the surface.

The mic is equipped with internal padding, fiber washers for the mounting screws, and a rubber, non-slip pad covering the entire base. These elements combine to give you the advantage of extremely low surface-to-microphone vibration. And built-in equalization provides a fuller, more natural sound than other typical boundary microphones.

- ◆ Heavy-duty zinc die-cast body and strong, perforated steel screen
- ◆ Low profile ◆ Half-cardioid polar response promotes excellent gain

RE90B (ELRE90B)

Non-reflecting black finish

RE90BW (ELRE90BW)

Low-gloss white finish

RE92L (ELRE92L)

Unidirectional Condenser Lavalier Microphone



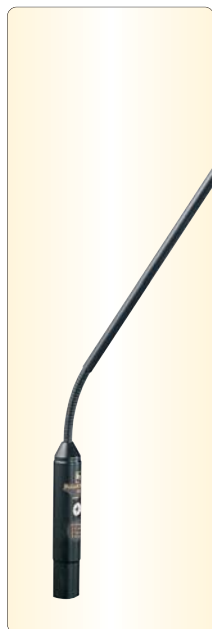
Based on a great-sounding cardioid microphone element, this capsule features a broad and smooth frequency response for a warm and natural sound, a tight cardioid polar pattern for excellent off-axis rejection, and extremely low noise to give a clean and unadulterated sound. Designed for unobtrusive miking of speech, the RE92L is an excellent choice for use in broadcast, stage performance, and presentation applications.

It has a 4' cable terminated into an in-line amplifier with XLR output for connection to any standard mic input capable of supplying 24 to 48v phantom power. The amp features a 12dB/octave switchable high-pass filter for rolling off low frequency noise, and its transformer-less differential output easily drives longer

cable runs. Accessories include a two-stage mic wind-screen, both single and dual mic tie clips, an amp housing belt clip, and a zippered gig-bag.

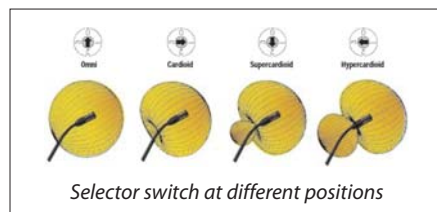
- ◆ Wide, smooth frequency response
- ◆ Cardioid polar pattern
- ◆ 12dB/octave switchable high pass filter
- ◆ Transformerless differential output to drive long cables
- ◆ Includes both single and dual mic tie clips

POLARCHOICE

**All-in-One Podium Microphones**

The first podium microphones with four polar patterns, the PolarChoice series offers unprecedented performance and flexibility—they're like having four microphones in one! With the option of four different pickup patterns, you simply select the best pattern for the application. The ability to conveniently select from omnidirectional, cardioid, supercardioid or hypercardioid assures the maximum protection against system feedback and ambient background noise. No need to inventory single-pattern microphones or expensive interchangeable heads. Just select the pattern that fits your needs with a convenient and easy turn of a rotary switch. PolarChoice is available in five different versions. These include the standard XLR, FL (Flange Mount), and PC Plus for conventional, mounted podium mic installations. If a free-standing podium mic is called for, the hard-wired PolarChoice Desktop, and the one-of-a-kind, wireless PolarChoice Satellite, round out the most versatile and flexible podium mic line in the industry.

EV's exclusive dual-mounted condenser transducer and sophisticated electronics ensure that regardless of the pattern selected, the response will remain smooth, accurate and uniform. EV's exclusive Multiport windscreen virtually eliminates "P pops" commonly associated with other podium microphones. Whether your requirement is for houses of worship, hotels, meeting rooms, or other multi-purpose facilities where exceptional sound quality and unmatched flexibility are critical, the first choice is PolarChoice.

**PolarChoice Desktop/Satellite**

- ◆ Free-standing weighted base for reliable stability.
- ◆ Selectable polar pattern to easily adapt to any situation
- ◆ Selectable polar pattern to easily adapt to any situation
- ◆ Switchable high-pass filter
- ◆ Easy to use on/off mic switch with mic status LED. Switch can be programmed to operate as either latching on/off or momentary push-to-mute/push-to-talk
- ◆ Available in both wireless (PC Satellite) or wired (PC Desktop)

PolarChoice Desktop:

Integrated desk stand and configurable switch with 10' XLR cable.

PC Desktop-5 (ELPCD5): With 5" gooseneck

PC Desktop-12 (ELPCD12): With 12" gooseneck

PC Desktop-18 (ELPCD18): With 18" gooseneck

PolarChoice Satellite: Integrated desk stand and configurable switch for use with plug-in EV and Telex wireless belt packs.

PC Satellite-5 (ELPCSS5): With 5" gooseneck

PC Satellite-12 (ELPCS12): With 12" gooseneck

PC Satellite-18 (ELPCS18): With 18" gooseneck

- ◆ A smooth and uniform response, no matter what pattern is selected
- ◆ Extended low-frequency response
- ◆ Switchable high-pass filter
- ◆ Exclusive Multiport windscreen virtually eliminates "P pops"

PC-12XLR (ELPC12XLR): 12" gooseneck, XLR base

PC-18XLR (ELPC18XLR): 18" gooseneck, XLR base

**PolarChoice (XLR or Flange)**

- ◆ Available with XLR connector or thread/flange mount (cable can exit from the side or through the bottom of the gooseneck)
- ◆ Includes two-piece shock mount with shock mount adapter

PC-12FL (ELPC12FL): 12" gooseneck, flange mount

PC-18FL (ELPC18FL): 18" gooseneck, flange mount

PolarChoice PC Plus

The PolarChoice PC Plus is the first miniature gooseneck mic to combine the features and functionality of a desktop mic, with the small unobtrusive size of an XLR mounted gooseneck microphone. The unique profile of the PC-Plus housing places the push button switch and status LED in a more natural position and also creates a lower profile housing. It goes one step further: the lower half of the PC-Plus (with XLR connector) can be removed and the PC-Plus can be flush mounted. All necessary mounting is supplied.

The push-button can be configured for either toggle (push on/off), or as push-to-mute (cough switch).

You can also configure the microphones' state when power is first applied in toggle mode. For example, if you have multiple PC Plus microphones installed, you can configure them so that only one mic is live, when the system is first turned on.

**PolarChoice
PC Plus-12** (ELPCP12)

**PolarChoice
PC Plus-18** (ELPCP18)

RE SERIES

Broadcast Mics

635A Dynamic Omnidirectional ENG/EFP Mic

Probably the most popular and well-known ENG/EFP microphone in the world, the 635A has survived being dropped, run over, thrown and even being shot while on location for film, TV and radio remotes. The 635A's uniform frequency response (80Hz-13kHz) is specially shaped for up-close vocals. Also available with a Neodymium element (635N/D-B).

635A • 635A/B

- ◆ Completely pop-free performance
- ◆ Four-stage pop and dust filter
- ◆ Internal effective shock absorber
- ◆ Includes stand adapter

635A (EL635A): Black finish**109.95**

635A/B (EL635AB): White finish**109.95**

635N/D-B

- ◆ N/DYM element offers higher output
- ◆ Uniform 80 Hz to 13kHz frequency response
- ◆ Integral windscreen and blast filter
- ◆ Acoustalloy diaphragm material for very smooth response over a wide frequency range

635N/D-B (EL635NDB): With Neodymium element. Black finish**129.95**



RE50/B • RE50N/DB Omnidirectional Dynamic Mics

These shock-isolated, omnidirectional, dynamic microphones were created for the most exacting professional applications. Incorporating advanced shock-mounting techniques, they are designed particularly for hand-held broadcast and sound reinforcement use. Handling and clothing noise, even cord shock are isolated from the mic element so that mechanical induced noise is greatly reduced.

- ◆ No muddy lows when used near lips
- ◆ Acoustalloy diaphragm material for very smooth response over a wide frequency range
- ◆ Extremely low handling noise via Dyna-Damp "mic in-a-mic" shock mount system
- ◆ Four-stage pop filter prevents dust and magnetic particles from reaching the diaphragm
- ◆ Integral windscreen and blast filter provides excellent protection from wind noise, excessive sibilance, and "popping"
- ◆ Withstands high humidity, temperature extremes, and corrosive salt air
- ◆ They include a stand adapter, vinyl carrying pouch and hard shell case

RE50/B (ELRES0B): Black finish**159.95**

RE50N/DB (ELRES0NDB): With Neodymium capsule. Black finish**179.95**

N/DYM SERIES

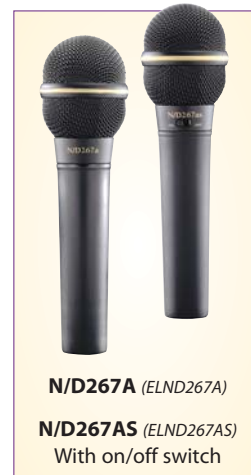
Live Performance Mics

N/D267a and N/D267as

Handheld Cardioid Vocal Microphones

The N/D267a incorporates EV's unique VOB (Vocally-Optimized Bass) technology to provide the performer with reduced resonant distortion at low frequencies. Critical damping of the low frequency resonant peak has resulted in a mic that replaces the "muddiness" found in competitive models with greater warmth and increased vocal clarity. This permits greater working distances and ensures a clean, clear, consistent sound that "punches through the mix."

- ◆ VOB technology provides tailored bass response for controlled "proximity effect" and exceptional vocal clarity
- ◆ Cardioid pattern for superior feedback rejection and acoustic isolation
- ◆ Consistent sound over greater working distances than other models
- ◆ Neodymium-based magnet structure provides greater sensitivity and signal-to-noise ratio
- ◆ Warm Grip handle for more comfortable feel
- ◆ Both include stand adapter and soft zippered carrying pouch



N/D267A (ELND267A)

N/D267AS (ELND267AS)
With on/off switch



N/D367A
(ELND367A)

N/D367s

Cardioid Dynamic Vocal Mic

Featuring excellent gain-before-feedback and smooth, controlled frequency response, the N/D367s allows the performer or speaker to easily "work" the mic for optimal performance. The cardioid pattern delivers enhanced front-area sensitivity and acoustic rejection directly behind the microphone, reducing feedback under live performance conditions. Additionally, it's polar patterns are unusually uniform with frequency, ensuring superior isolation when used in the studio. Although this is a popular choice for both genders, it has become recognized as the perfect compliment to a woman's voice.

- ◆ Classic N/DYM sound and high sensitivity
- ◆ Smooth, controlled frequency response
- ◆ Superior multistage shock mount for unmatched low handling noise
- ◆ Warm Grip handle for more comfortable feel
- ◆ Noiseless on/off switch
- ◆ Also sounds great when used on a podium
- ◆ Includes stand adapter and soft zippered carrying pouch

NT-3



Multi-Powered 3/4" Condenser Mic (RONT3)

The stylish and modern NT3 is a very capable performer with a wide range of applications in studio, stage, location and broadcast environments. Made from the finest components to deliver results demanded by engineers and musicians alike, the NT3 is a true condenser with transformerless output. The internal capsule is shock mounted and housed in a substantial cast-metal body with a satin-nickel finish. It features battery and phantom power and its low noise (under 16dB SPL A-weighted) makes it hard to match. Dynamic range is greater than 123dB with a maximum SPL of 140dB and sensitivity is a healthy -39dB (ref 1V/Pa).

- ◆ High immunity to RF interference
- ◆ Full frequency response
- ◆ High strength welded and heat treated mesh head
- ◆ Premium quality surface mount components
- ◆ Battery status LED indicator
- ◆ Stainless-steel mesh grille with a dense internal foam pop shield
- ◆ Includes a padded zipped pouch, a foam windshield and a rubber standmount clip with a thread adapter for both 3/8" and 5/8" microphone stands.

NT-4 Multi-Powered 1/2" X/Y Stereo Microphone (RONT4)

In the past, true stereo recording required the use of 'matched' microphones. More than simply using two of the same mic models, matched pairs had to be stringently manufactured so variables such as frequency plots, sensitivity ratings and SPL characteristics would be almost identical. However, even with two matched 'mono' microphones, achieving a successful stereo image still depends on how each mic is placed in relation to the other. Matched mic pairs also need a uniform angle between them to achieve the same effect. This all changes with the NT4. A studio-grade go-anywhere stereo condenser, the NT4 is a totally flexible mic that enables direct connection to most recording devices. It utilizes two 1/2" matched capsules in a perfectly aligned -90°, XY arrangement. All you have to do is point and keep an eye on recording level. It requires 48v phantom power, but for flexibility, a 9v battery can also be used. Includes case with a stand mount, wind shield and custom stereo cables (XLR and minijack).

NT-6 Compact 1/2" Condenser Mic

Specifically designed for difficult mounting applications, the NT6 is extremely well-suited to any situation where a small 'unobtrusive' but powerful microphone system is required. Designed for film, broadcast, live performance, surround and environmental recording applications, the NT6 utilizes the 1/2" (externally biased) gold sputtered true condenser transducer used in the world-renowned NT5. The capsule is designed to attach to a custom made, multi-position swivel mount allowing it to be independently positioned with ease. To further increase the versatility of the NT6, it is supplied with two thread adapters - 1/4" to 5/8" and 1/4" to 3/8" that enable the capsule assembly to be securely attached to a wide variety of mic stands, tripods and boom poles.



- ◆ Mic capsule is connected to the pre-amp (body) by a 10' Kevlar fiber-reinforced cable. In the heavy-duty satin-nickel-plated body is a balanced output preamp with wide dynamic range and full frequency response.
- ◆ Includes two 2-position switches located on the main body that provide the freedom to step from a flat response to 80 Hz high-pass filter and a pad adjustment of 0dB or -10dB attenuation.
- ◆ Includes a mic preamp (body), capsule, a 10' Kevlar fiber-reinforced cable, RM5 stand mount, 2-axis swivel mount, two thread adapters, zippered pouch (ZP1) and a windscreen (WS5).

IS SERIES

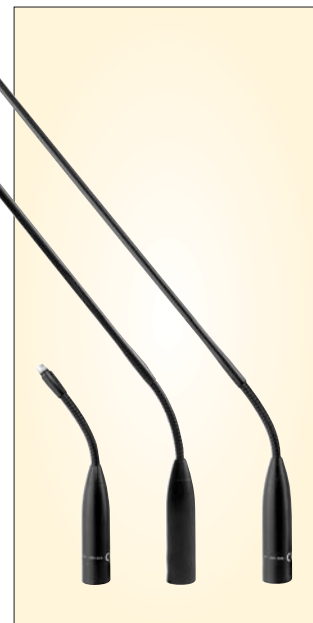
Gooseneck /Podium Condenser Mics

Sennheiser's IS Series consists of the MZH-3015 (15"), MZH-3040 (16") and MZH-3042 (16" dual) metal goosenecks and the ME34 (cardioid), ME35 (supercardioid) and ME36 (lobar mini shotgun) condenser capsule heads. The rugged, matte black goosenecks (Ø 6 mm) have a special anti-reflective coating and a balanced, floating XLR-3 connector, enabling them to be powered from a 12-48v phantom power supply. The goosenecks combined with the versatile ME34/35/36 condenser microphone heads are ideal for applications like conference, PA, studio, broadcast, and churches.

MZH-3015 (SEMZH3015): Provides a low profile, unobtrusive placement option. Use with the ME36 when an inconspicuous mic is required**89.95**

MZH-3040 (SEMZH3040): With a single flex near its base, this elegant 16" gooseneck holds position while maintaining a streamlined appearance.....**103.50**

MZH-3042 (SEMZH3042): Double flex design. Same length as the MZH-3040 but provides an additional top bend for ultimate capsule placement precision.....**117.95**



Capsules

Capsules are ideal for a range of applications including: conference, public address, studio, broadcast, video and others. All contact points are gold plated and corrosion-resistant, insuring maintenance-free long term operation. Each includes a windscreen.

ME 34 Cardioid Capsule (SEME34)

A permanently polarized condenser microphone capsule with a Cardioid polar pattern for universal miking applications with a smooth response across all frequencies.....**114.95**

ME 35 Supercardioid Capsule (SEME35)

A back-electret condenser microphone capsule with a supercardioid polar pattern that achieves optimum isolation..**114.95**

ME 36 Mini Shotgun Capsule (SEME36)

A lobar mini shotgun back-electret condenser mic capsule. It facilitates inconspicuous placement when used with the MZH-3015 gooseneck. Detailed directionality, high SPL and unprecedented low self-noise (23dB A-weighted). Interference tube/capsule housing rotates for optimum alignment**179.50**



IS Series Accessories

12" Wired Floor Stand (SEMZF530)

With an XLR-F top and XLR-M bottom. For MZH goosenecks**159.95**

24" Wired Floor Stand (SEMZF560)

Same as above except 24" high..**169.95**

32" Wired Floor Stand (SEMZF580)

Same as above except 32" high..**181.95**

Velour Windscreen (SEMZW34)

For the ME34 and ME35**17.95**

Velour Windscreen (SEMZW36)

For the ME36.....**32.95**

Boundary Layer Adapter (SEMZBD36)

For the ME36. Stainless steel.....**129.95**

Overhead Mounting Cable (SEMZC30)

1.1mm diameter Kevlar-reinforced 29.5' cable with an integrated preamp. For hanging applications.....**128.95**

Ceiling Hanger (SEMZH30)**21.95**

Suspension Shock Mount (SEMZS31)

For use with MZT30, requires 50mm diameter hole**41.95**

Microphone Clip (SEMZQ100)

For IS Series goosenecks, 3/8" and 5/8" threads.....**26.95**

XLR Female Flange Mount (SEMZT30)

For fixed installation. Requires 24.21mm diameter hole.....**16.95**

Table Stand (SEMZTX31)

With 3-pin XLR connector.....**99.95**

Table Stand (SEMZTX31PTT)

With push-to-talk button, 3-pin XLR connector.....**149.95**

Thinline Metal Carrying Case (SECL)

Fits ME34, ME35, ME36 mic capsules, MZH3015, MZH3040, MZH3042 goosenecks and MZQ100 clip.....**73.95**



K6 SYSTEM

Modular Electret Condenser Microphone System

The K6 Series is a modular condenser microphone system of exceptionally high quality. Available with a wide variety of interchangeable modules for different polar patterns, and capsule sizes, the K6 System provides a flexible tool for all sound reinforcement work.

The modular design of the K6 power supply allows you to use different lavalier capsules for on air talent and live theater applications.



K6/K6P Powering Modules

At the heart of the K6 series is the K6 power supply. The K6 is the backend of the multi-mike system and accommodates a balanced, low impedance 3-pin XLR output connector. The K6 Module supplies power to any capsule in the series. It can run for 150 hours on a single AA battery, or can be used with 12 to 48v phantom power (AA battery doesn't drain while phantom-powering). The K6 features an on/off switch with LED battery status indicator; and a bass roll-off switch which will compensate for proximity effect in close miking, or for wind rumble in field recording. The K6P phantom powering module provides an alternative to the K6 that is 42mm shorter and 15 grams lighter, while offering the same integrated bass roll-off switch. Ideal for fixed installations and applications where size is a factor and phantom power availability is not a concern.

Omni-Directional Lavalier Capsules

MKE2-60 Gold

The industry-standard for TV and theatrical production, the MKE2-60 sub-miniature omni lavalier is unobtrusive and easy to conceal. Its accurate frequency response reproduces natural, uncolored sound. An extremely thin low mass diaphragm exhibits extraordinary transient response. The stranded, stainless-steel reinforced cable provides maximum tensile strength and low contact (clothing) noise. May also be used as a clip-on instrument mic.



MKE102-60

Similar in size to the MKE2-60 with several significant differences. The capsule head can easily be detached for use with straight or right angle cables. Highly immune to moisture, it is a natural for theater or outdoor productions. Frequency response is optimized for speech pickup with its 4 to 6 dB rise at 8kHz. Extremely low self-noise makes it ideal for broadcast as well.

MKE104-60

The MKE104-60 is the same as the MKE102-60 except it is a cardioid mic, which makes it ideal for applications that require isolation of the source. Use in live musical performances and for reporting when there are several announcers covering a scene with different audio feeds.

K6 System (lavaliers for K6 do not include MZQ222 clip and MZW2 windscreen)

K6 (SEK6): Powering module (powered by AA battery or phantom power). On/off switch with LED indicator and bass rolloff.....**209.95**

K6P (SEK6P): K6 with phantom power only. No on/off switch**239.95**

MKE2-60 Gold (SEMKE260): Omnidirectional reduced sensitivity lavalier for K6, black with integrated K6 collar**276.95**

MKE102-60 (SEMKE10260): Omnidirectional lavalier for K6 with right-angle cable. Includes a microphone capsule, windscreen, right-angle cable and black tie clip**289.95**

MKE104-60 (SEMKE10460): Cardioid lavalier for K6 with right-angle cable. Includes a mic capsule, windscreen, right-angle cable to lavalier with K6 collar and a tie clip**289.95**

MKE102S-60 (SEMKE102S60): Omnidirectional lavalier system. Includes a black microphone capsule, a windscreen, a straight cable with K6 collar and a tie clip**289.95**

MKE104S-60 (SEMKE104S60): Cardioid lavalier system. Includes a black microphone capsule, a windscreen, a straight cable with K6 collar and a tie clip**289.95**

MKE2-60/K6 (SEMKE260K6): Omnidirectional lavalier system with K6 power supply. Includes a black microphone, a K6 powering module, a dual-post tie clip and a carrying case**509.95**

MKE102S/K6 (SEMKE102SK6): Omnidirectional lavalier system with K6. Includes a black microphone capsule, a straight cable with K6 collar, a tie clip, K6 and a carrying case**537.50**

MKE104S/K6 (SEMKE104SK6): Cardioid lavalier system with K6. Includes a black microphone capsule, a straight cable with K6 collar, a tie clip, K6 and a carrying case**537.50**

K6 SYSTEM



Accessories for Lavalier Capsules

Windscreens for MKE2

Steel Mesh Grill and Windscreen

Available in Black (SEMZW2A) and Nickel (SEMZW2G) finish.....**9.95**

Foam Windscreen (SEMZW2F)**4.95**

Pin Clips for MKE102/104

A pin-style, lavalier clothing clip. Available in Black (SEZH100B) and Grey (SEZH100G) finish.....**9.95**

Clips for Right Angle KA Cables

Available in Black (SEMZQ100B), Beige (SEMZQ100BE) and Grey (SEMZQ100G) finish.....**4.50**

Tie Clips

Single Bar Lavalier Tie Clip (SETBUS)

For the ME102 and ME104**5.50**

Dual Post Tie Clips

For MKE2/102/104. Available in Black (MZQ222) and Nickel (MZQ222N) finish**12.95**

Double Tie Clip (MZQ22A): For MKE2**15.95**

Stand Off Clip (SES44435)

Available as add on accessory (black)**3.50**

Gray Magnetic Microphone Holder

For MKE2, 102, and 104 (SEMZM102)**CALL**

Steel Mesh Grille for MKE-102

Available in Black (SEMZW102B) and Nickel (SEMZW102N) finish**9.95**

Steel Mesh Grille for MKE-104

Available in Black (SEMZW104B) and Nickel (SEMZW104N) finish**27.95**

Windscreens for MKE2

Foam Windscreen (SEMZW2F)

For MKE2 and MKE2 Gold.....**4.95**

Steel Mesh Grill

Provides adequate protection from shock and minimizes noise due to wind and proximity effect. Available in Black (SEMZW2A) and Nickel (SEMZW2G) finish.....**9.95**

Adjustable Headset Boom

A unique device that allows you to adapt any Sennheiser lavalier for use as a headworn microphone. Comfortable and rugged, it fits any head. Available in Black (SEN82) or Beige (SEN82BE) .**57.95**

Accessory Kit for MKE-2 (SEMZ2)

This accessory kit includes a nickel and black dual post tie clip, a nickel and black windscreen, a black and grey pin clip, and a carrying case**37.50**

MKE-102/104 Accessory Kit (SEMZ100)

This accessory kit includes a nickel and black dual post tie clip, a nickel and black windscreen, a black and grey pin clip, and a carrying case**41.95**



E815s / E825s / E835s

The e815s is a cardioid vocal microphone specially designed to perform under pressure while cutting through the mix with its high output.

The e825s cardioid pick-up pattern provides excellent feedback and spillage rejection. The rugged metal construction and internal damping isolates handling noise. Ideal for general vocal and instrument miking and club PA. Complete with silent on-off switch as standard. Unbeatable quality at an ultra competitive price.

The top-of-the line e835s is a vocal stage mic, designed to perform under pressure. Uniform frequency pick-up pattern maintains signal quality when moving on and off axis during performance. Gentle presence boost to even tonal response ensures clarity and projection. Minimal proximity effect provides consistently clear bass and performance when singing closer to or further from capsule.

THEY ALL FEATURE

- ◆ Rugged metal construction
- ◆ Low sensitivity to impact and handling noise thanks to shock-mounted capsule
- ◆ Hum compensating coil reduces electrical interference
- ◆ Neodymium ferrous magnet with boron keeps the mics stable regardless of climate
- ◆ Falcon ring provides consistent sound over time
- ◆ On/off switch (magnetic reed), can be locked in the "on" position if required

WIRED MICROPHONES

SHURE

PG48 • PG58 Cardioid Dynamic Speech and Vocal Mics



High performance dynamic cardioid microphones tuned specifically for vocal applications, the PG48 is designed for spoken word applications, while the rugged PG58 is tuned to accentuate the clarity of lead and back-up vocals. Both feature a tailored frequency response that is smooth and extended. Their cardioid polar pattern picks up the most sound from in front of the microphone and some sound from the sides. Less susceptible to feedback in high volume settings.

- ◆ Dynamic cartridge has a simple, rugged coil. Handles extreme volume levels without distortion.
- ◆ Cartridge includes a neodymium magnet for high output level.
- ◆ Internal shock mount for reduced handling noise (PG58 only).
- ◆ Durable metal construction
- ◆ On/off switch for onstage control.
- ◆ Steel mesh ball grille with integral “pop” filter reduces explosive breath sounds and wind noise.
- ◆ Includes 15' cable, break-resistant mic clip and storage bag.

PG48: Cardioid dynamic microphone. Available with XLR-to-1/4" cable (SHPG48QTR) or XLR-to-XLR cable (SHPG48XLR)**39.00**

PG58: Cardioid dynamic microphone. Available with XLR-to-1/4" cable (SHPG58QTR) or XLR-to-XLR cable (SHPG58XLR)**59.00**

SM48/SM48S Dynamic Cardioid Vocal Mics

The SM48 is a unidirectional dynamic microphone designed for professional sound reinforcement and broadcasting applications. It maintains a true cardioid pattern throughout the frequency range, ensuring high gain before feedback and rejection of off-axis sound. The tailored frequency response is ideal for vocals. A presence rise brightens mid-range performance, and a low frequency rolloff controls proximity effect. Includes a shock mounted cartridge, a steel mesh grille, and an integral “pop” filter. The SM48S adds a lockable On/Off switch.

- ◆ Cardioid pickup pattern rejects off-axis sound and provides superior gain before feedback
- ◆ Rugged shock-mounted cartridge for reduced handling noise.
- ◆ Frequency response tailored for vocals with brightened mid-range. Low-frequency bass rolloff controls proximity effect.
- ◆ 55Hz to 15kHz frequency response.
- ◆ Built-in “pop” filter reduces explosive breath sounds and wind noise
- ◆ Lockable On/Off switch (SM48S).
- ◆ Adjustable stand adapter & carrying case included.



SM48-LC (SHSM48LC): Dynamic Mic without a cable**Call** **SM48S-LC** (SHSM48SLC): Dynamic Mic with on/off switch, no cable**Call**



SM57 Dynamic Cardioid Vocal/Instrument Mic

A true classic, the SM57's outstanding performance and diversity make it the “workhorse” of stages and studios worldwide. Ideal for vocals, the SM-57's carefully contoured frequency response means clean, well-defined instrument reproduction and rich, warm vocal pickup on lecterns or stages. Extremely effective cardioid pickup pattern isolates the main sound source while minimizing background noise. It is also used on the podium of the U.S. President for over 30 years.

- ◆ Contoured frequency response for clean, instrumental reproduction and rich vocal pickup.
- ◆ Shock-mounted cartridge reduces mic handling noise and mic stand rumble.
- ◆ Unusually effective cardioid pattern isolates the main sound while minimizing reflections caused by poor studio or location acoustics and background noise.
- ◆ Ideal for narration and dialogue.
- ◆ Extremely durable - even under the heaviest use.
- ◆ Frequency response: 40 to 15k Hz.
- ◆ Designed for hand-held use or on a stand. Includes a break-resistant swivel adapter that rotates 180°.

SM57-LC (SHSM57LC): Dynamic Cardioid Vocal/Instrument Mic without a cable**99.00**

SM58 Dynamic Cardioid Vocal Microphone

The SM58 is a unidirectional (cardioid) dynamic microphone designed for professional vocal use in live performance and sound reinforcement. Cardioid pickup pattern isolates the main sound source while minimizing unwanted background noise. In addition, it has a highly effective, built-in spherical filter that minimizes wind and breath "pop" noise. The SM58 has a tailored vocal response for a sound which is a world standard. Rugged construction, a proven shock mount system, and a steel mesh grille ensure that even with rough handling, the SM58 will perform consistently. Outdoors or indoors, singing or speech – the SM58 is the overwhelming choice of professionals worldwide.

- ◆ Unusually effective cardioid pickup pattern minimizes background noise and undesirable effects of studio and location acoustics. Rear and side rejection uniform to very low frequencies and completely symmetrical about microphone axis
- ◆ Shock-mounted cartridge reduces mic handling noise and mic stand rumble.
- ◆ Designed for both field and studio use — hand-held or on a stand. Includes slip-in swivel adapter.
- ◆ Self-contained spherical filter controls explosive breath sounds ("pop") and wind noise in outdoor locations.

SM58-CN (SHSM58CN): Supplied with break-resistant stand adapter which rotates 180°. With cable **109.00**
SM58-LC (SHSM58LC): Supplied with break-resistant stand adapter which rotates 180°. Without cable **99.00**
SM58-S (SHSM58S): Supplied with break-resistant stand adapter which rotates 180°. With On/Off switch **104.00**

**SM86 • SM87A**

Cardioid/Supercardioid Condenser Vocal Mics

Ideal for professional use in live performance with stage or personal in-ear monitors, the SM-86 is an extremely rugged microphone designed to withstand the rigors of touring while delivering studio-quality sound. The tailored frequency response of the SM-86 reproduces vocals with clarity. A cardioid pickup pattern isolates the main sound source while minimizing unwanted background noise. The built-in three-point shock mount minimizes handling noise, and a two-stage pop filter reduces wind and breath "pop" noise.

The choice of the world's top entertainers, the SM87A features a smooth frequency response that is tailored for warm, rich vocal reproduction. Supercardioid polar pattern permits high gain without feedback and rejects unwanted sounds. A three-stage wind/pop filter minimizes breath noise and an excellent internal shock mount minimizes mic stand rumble and handling noise.

SM-86 Features

- ◆ Combines the ruggedness of Shure's SM line with the studio quality audio of a Shure condenser—the first model to join the SM line in over 10 years.
- ◆ Cardioid polar pattern and a wide frequency response of 50 Hz to 18 kHz. The mic additionally delivers high gain-before-feedback and a tailored frequency response for a clear reproduction of vocals.
- ◆ Equipped with an integral two-stage windscreen and pop filter.
- ◆ Built-in, three-point shock mount virtually eliminates stand and handling noise.
- ◆ Housed in a rugged, silver-colored, enamel-painted enclosure incorporating a steel-mesh grille.
- ◆ Requires phantom power for operation.

SM-87A Features

- ◆ Flat frequency response for greater gain before feedback.
- ◆ Low-frequency roll-off reduces low-frequency rumble and handling noise and compensates for proximity effect.
- ◆ Low RF and magnetic hum susceptibility
- ◆ Low distortion output and wide dynamic range for a variety of load impedances.
- ◆ Operates on 11 to 52v DC phantom power.

SM86 (SHSM86): Cardioid condenser handheld microphone **Call** **SM87A** (SHSM87A): Super-cardioid condenser handheld microphone **214.95**

BETA 58A Vocal Dynamic Supercardioid Mic

The Beta 58A is a high-output dynamic vocal mic designed for professional sound reinforcement. It has a shaped frequency response that is ideal for close-up vocals. And the superb performance of this mic is not affected by rough handling because of its rugged construction, pneumatic shock mount system, and hardened steel mesh grille. Ideal for speech applications, the Beta 58A maintains a true supercardioid pattern throughout its frequency range. This ensures high gain before feedback, maximum isolation from other sound sources, and minimum off-axis tone coloration. Also incorporates a Neodymium magnet for high S/N ratio output, and an advanced electro-pneumatic shock mount design to effectively minimize transmission of handling or stand noise.

- ◆ Wide and smooth frequency response adds extra clarity
- ◆ Humbucking coil permits use in strong hum fields produced by lighting
- ◆ Plug element pins are gold plated for durable and low-noise transfer

Beta 58A (SHBETA58A): Super-cardioid handheld dynamic microphone**Call**

**Beta 87A • Beta 87C** Supercardioid and Cardioid Condenser Vocal Mics

The first choice of performers around the world, the Beta 87A and Beta 87C are premium quality vocal mics with superb accuracy, detail, and rich vocal production. Used in professional sound reinforcement and broadcasting applications, they combine ruggedness with superb performance. The Beta 87A (supercardioid) and Beta 87C (cardioid) provide maximum isolation while offering high gain before feedback. Both offer a controlled low-frequency roll-off that compensates for proximity effect and prevents the "boomy" sound often associated with close-up use. They also feature improved shock mounting and a hardened, dent-resistant steel mesh grille with a built-in pop filter.

Beta 87A Only

Supercardioid pattern provides maximum isolation while offering minimal off-axis coloration and high gain before feedback. It has an exceptionally smooth frequency response with gradual presence rise that brightens the upper midrange.

Beta 87A (SHBETA87A)**249.95**

Beta 87C Only

Maintains its cardioid pattern throughout its frequency range, ensuring maximum isolation and high gain before feedback. Exceptionally smooth, wide frequency response includes a slight presence rise for a warm, natural sound.

Beta 87C (SHBETA87C)**249.00**

- ◆ Advanced cartridge shock-mount system reduces handling noise and absorbs mechanical shocks.
- ◆ Very low susceptibility to RFI and electromagnetic hum.
- ◆ Phantom powered (11-52v DC).
- ◆ Built-in three-stage pop filter minimizes breath pop and wind noise.
- ◆ High S/N ratio of 69dB (Beta 87A) and 72dB (Beta 87C).
- ◆ Maximum SPL of 142dB (Beta 87A) and 139dB (Beta 87C).
- ◆ Wide dynamic range (117dB) and low distortion characteristics.
- ◆ Thick handle for a comfortable feel when hand-held. They include a break-resistant swivel adapter.

VP64A Omnidirectional Dynamic Mic

The VP64A combines performance and comfortable feel with handsome appearance. Omni-directional pickup pattern provides uniform pickup on or off axis, eliminating the need for critical mic positioning. Neodymium magnet for increased output and maximized S/N ratio. Tailored frequency response (50Hz to 12kHz) with mid-range presence rise adds crispness and clarity to speech. The internal rubber isolation mount protects the mic cartridge and minimizes handling noise. Water-resistant mesh grille allows use in adverse weather conditions. Supplied windscreens further reduces "pop" and wind noise.

VP64A (SHVP64A): Omnidirectional dynamic mic, 7.9 x 1.5"**77.95**

VP64AL (SHVP64AL): Same as above except with extended handle. 9.9 x 1.5" **89.95**



HEADWORN VOCAL MICS**Beta 53****Omnidirectional Condenser Mic**

The Beta 53 is designed for applications where inconspicuous appearance and incredible sound quality are required. Ideal for event productions, trade shows or seminars - the best sound with minimal visibility.



It's lightweight, adjustable, modular headband, flexible wireframe and soft earpieces provide a comfortable fit while still allowing the Beta 53 to be positioned as close to the left or right corner of the mouth as possible. The mic itself features an extended frequency response and high SPL handling ability.

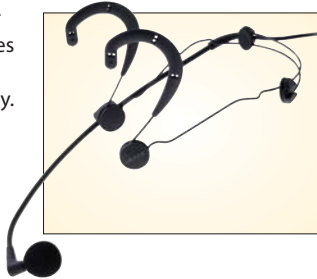
- ◆ Comfortable, latex-free Dynaflex earforms that hide behind the ears
- ◆ Ultra-thin detachable mic boom mount for right or left positioning
- ◆ Interchangeable frequency response caps (mild or high, 2 pc. each)
- ◆ Includes two foam windscreens, clothing clip for securing cable, durable carrying case.

Beta 53 (SHBETA53): Detachable in-line preamp for wired applications, requires phantom power. Black finish..... **Call**

WBH53: With TA4F connector for wireless applications. Available in Black (SHWBH53B) and Tan (SHWBH53T) finish..... **Call**

Beta 54**Supercardioid Condenser Mic**

A subminiature, electret condenser head worn mic, the Beta 54 provides uncompromised sound quality and reliability with minimal visibility. Despite it's small size, the condenser element delivers full, clear, and natural reproduction of speech and vocals.



- ◆ Durable, low-profile wire frame headband is fully adjustable for stability and comfort.
- ◆ Supercardioid polar pattern provides maximum gain-before-feedback and ambient rejection
- ◆ Extended frequency response tailored for vocal performances
- ◆ Snap-fit foam windscreens stay in place during intensive movement
- ◆ Includes plastic carrying case to protect the mic and its accessories

Beta 54 (SHBETA54): Detachable in-line preamp for wired applications, requires phantom power. Black finish **Call**

WBH53: With TA4F connector for wireless applications. Available in Black (SHWBH54B) and Tan (SHWBH54T) finish **Call**

ALL-PURPOSE MICS**588SDX Handheld Mic**

A ball-type, cardioid dynamic mic that provides excellent voice reproduction. Ideal for speech in schools, churches, and meeting rooms, it's spherical grille is an effective wind and pop filter, while it's symmetrical cardioid pickup pattern minimizes feedback. Lockable On/Off switch and internal impedance selection. Includes a slip-in break-resistant swivel adapter for stand-mounted use.



- ◆ Controlled low-frequency response combined with a smooth high-frequency rise for clear and intelligible voice pickup
- ◆ Neodymium magnet for high sensitivity
- ◆ Shock-mounted cartridge for quiet operation and low stand/handling noise
- ◆ Dual impedance selectable by internal socket
- ◆ Tough, steel-mesh grille resists wear from constant use and handling; die-cast handle
- ◆ Frequency response is 80Hz to 15kHz

588SDX (SH588SDX): With attached cable..... **64.50**

545SD Unidyne III

A cardioid dynamic microphone, the 545SD Unidyne III ships connected for low-impedance operation. Use on lecterns for public address systems such as those used in legislatures, convention halls, hotels, public auditoriums, stadiums, schools, and churches.



- ◆ Silent magnetic reed on/off switch with lock option
- ◆ Exceptionally uniform cardioid pattern minimizes feedback in PA applications
- ◆ Frequency response is 50Hz to 15kHz

545SD-LC (SH545SDLC): Without cable..... **99.95**

565SD Unisphere 1

The 565 SD is a dual impedance, cardioid dynamic microphone with a strong, wiremesh, spherical front grille that contains a very effective wind and "pop" filter. With sound characteristics similar to the SM58, the mic provides excellent speech reproduction on lecterns and stages. Ideal for use in public auditoriums, churches, convention halls, and schools.



- ◆ Silent magnetic reed on/off switch with lock-on option
- ◆ Frequency response is 50Hz to 15kHz

565SD-CN (SH565SDCN): With 20' XLR cable **125.95**

565SD-LC (SH565SDLC): Without cable **107.50**

LAVALIER/HEADWORN MICS**SM11****Lavalier Omnidirectional Dynamic Mic**

The SM11 is a miniature dynamic lavalier microphone designed for use in sound reinforcement and similar uses where a small, professional-quality, microphone is required. The SM11 has an omnidirectional pickup pattern, and its frequency response is optimized for lavalier use. The microphone is supplied with a tie clasp assembly, tie tack assembly, connector belt clip, and zippered carrying/storage bag.



- ◆ Frequency response optimized for lavalier use. Acoustically matches most stand- or desk-mounted microphones
- ◆ Small and lightweight for unobtrusive, virtually unseen operation
- ◆ Smooth exterior and recessed grille screen minimize clothing noise
- ◆ Extremely flexible long-life cable
- ◆ Two mounting options—tie clasp or tie tack
- ◆ Convenient, secure belt clip attaches connector to belt or clothing

SM11 Lavalier Omnidirectional Dynamic Mic (SHSM11CN).....99.95

WL50/WL51**Professional Subminiature Lavalier Mics**

Only 5.8mm in diameter, and weighing just .34 grams, the WL50 and the WL51 set the standard for miniature lavalier mics. Visually unobtrusive they virtually disappear when in use, making them ideal for theater, television broadcast, video/film, and event production. And despite their small size, the condenser element provides full, clear and natural reproduction of speech.

The omnidirectional WL50 has an extended frequency response and comes in three colors and two sensitivity options; Standard (-45dBv/Pa) and Reduced (-55dBv/Pa). It also includes four frequency response caps: two silver mesh (4dB mild boost) and two gold mesh (10dB high boost). Interchange them as needed to achieve optimal sound and clarity for various mic placements and mounting configurations.

The cardioid WL51 features a smooth frequency response and low -49dBv/Pa sensitivity to provide optimal gain with very low noise output. Ideal for those situations where loud ambient environments limit the use of an omni mic. Includes a watertight protective carrying case.

WL50: Standard sensitivity, 5' attached cable with TA4F connector. Available in Black (SHWL50B), White (SHWL50W) and Tan (SHWL50T)**203.95**

WL50X: Standard sensitivity, 10' attached cable. Without connector. Only available in Black (SHWL50BX).....**189.95**

WL50-LO: Reduced sensitivity, 5' attached cable with TA4F connector. Available in Black (SHWL50BLO) and Tan (SHWL50TLO)**227.95**

WL51: Available in Black (SHWL51B) and Tan (SHWL51W).....**228.95**

SM93**Miniature Omnidirectional Lavalier Mic**

The SM93 is an economical subminiature lavalier condenser mic designed for use in speech applications. Despite its small size, the SM93 mic element provides full, clear sound comparable to much larger mics. Its smooth frequency response is specially tailored for chest-worn microphone operation, while controlled low-frequency rolloff reduces clothing and room noise. Runs on 11-52v DC phantom power.



- ◆ Designed for wired applications, the SM93 includes a preamp assembly with XLR connectors. The preamp can be pocketed, strapped to the body, or clipped to belt or waistband
- ◆ Supplied with small, inconspicuous mounting hardware. Includes a sew-on mounting bracket, a mounting block with attached tie bar, and an acoustic windscreen.

SM93 Omnidirectional Lavalier Mic (SHSM93).....146.50

WH20/WH30**Headworn Cardioid Mics**

The WH20 (dynamic) and WH30 (condenser) are rugged, lightweight headset mics with high-quality voice pickup. They fit securely for active users with low visibility. Use for any voice communications application where comfort and reliability are required.



- ◆ Cardioid pattern provides greater gain-before-feedback and isolation from ambient noise or unwanted sound like air-conditioning
- ◆ Carefully shaped frequency response includes a voice-frequency presence peak. Low-frequency rolloff compensates for the proximity effect inherent in cardioid microphones during close-talk operation
- ◆ Integrated elastic CROAKIES headband comfortably secures the headset. The headband, wireframe, and gooseneck are adjustable.
- ◆ Extra-strong mic cable resists breakage. Collapsible mic boom for easy storage and transportation. Includes foam windscreen and clothing clip

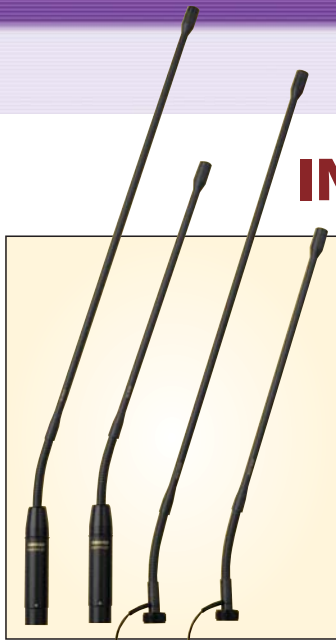
WH20TQG (SHWH20TQG): With 4-pin mini-connector.....**79.50**

WH20QTR (SHWH20QTR): With 1/4" connector**79.50**

WH20XLR (SHWH20XLR): With XLR-M connector**74.95**

WH30TQG (SHWH30TQG): With 5.3' cable terminated to a TA4-female mini-connector**101.95**

WH30XLR (SHWH30XLR): With a 10' XLR cable & in-line pre-amp**163.95**



INSTALLED SOUND - EASYFLEX SERIES

EZG Miniature Cardioid Condenser Gooseneck Microphones

These miniature gooseneck condenser mics are the perfect choice to capture speech and vocals in environments where quality, value and budget are primary considerations. Designed for podium or desk applications, they offer a cardioid polar pattern, and are available in either 12" or 18" lengths. Each charcoal gray microphone comes standard with a single flexible gooseneck section for ease in accurate positioning, as well as a matching slip-on foam windscreen. Choose a locking flange mount with an integrated preamp and XLR connector for easy permanent install. Or, choose side-exit mounting with 10' cables, in-line preamps and threaded mounting flanges - easily adaptable to a standard mic stand.

EZG/12 (12") and EZG/18 (18") Mics

- Cardioid polar pattern
- Integrated preamplifier with XLR connector
- Locking flange mount

EZG/12SE (12") and EZG/18SE (18") Mics

- Cardioid polar pattern
- Attached 10' side exit cable with in-line preamplifier
- Threaded mounting flange



EZO Overhead Microphones

The perfect choice to reinforce choirs and performance groups in recording or sound reinforcement in environments where quality, value and budget are primary considerations. The overhead condenser microphones feature a cardioid polar pattern, and are available in charcoal gray or white for unobtrusive placement in most surroundings. Each Easyflex overhead microphone ships with a flexible wire form for accurate and stable positioning when suspension mounting to a ceiling, and ships with 30' cable with in-line preamplification, and a matching slip-on windscreen.

EZO/G Charcoal Gray and EZO/W White Overhead Microphones

- Cardioid polar pattern
- Attached 30' cable with in-line preamplifier
- Adjustable wire frame for easy positioning

EZB/C Cardioid and EZB/O Omnidirectional Boundary Microphones

- Charcoal gray finish
- Attached 12' cable with in-line preamplifier
- Recessed mounting holes for quick installation

EZB Miniature Cardioid Condenser Boundary Mics

The perfect choice for all types of low profile applications, where quality, value and budget are primary considerations. The EZB microphones feature either a cardioid or omnidirectional polar pattern, and are available with a charcoal gray finish for unobtrusive placement in most surroundings. They ship with an attached 12' cable with in-line preamplifier, and feature recessed mounting holes for ease of installation.



INSTALLED SOUND - MICROFLEX SERIES

The entire Microflex family of miniature condenser microphones are designed with performance, consistency and ease of installation in mind. Their cardioid, super-cardioid and omni-directional condenser cartridges are completely interchangeable and fit every Microflex Gooseneck, Overhead, Boundary, and Lavalier model for the ultimate in convenience and uniform sound. Plus, each Microflex model includes all the basic accessories needed for complete installation.

MX-391/392/393

Surface-Mount Mics



The low-profile Microflex Series boundary mics are designed to be unobtrusively placed flat on a stage, table top or wall while offering high quality audio for sound

reinforcement, boardrooms, broadcast or recording. Available with interchangeable cardioid, super-cardioid and omni-directional polar patterns in battery power, phantom power or pigtail versions, giving you the flexibility for any application.

- ◆ 50Hz to 17kHz frequency response
- ◆ Easy to use paint mask for your custom-color installations
- ◆ Programmable silent membrane switches with LED indicator can be set for Push to Talk, Push to Mute or Push On/Push Off modes (MX392 and MX393 only)

Surface-Mount Microphone Models Include:

MX391/C: Cardioid. Includes attached 12' cable and separate in-line preamp, phantom power only. Available in Black (SHMX391C) or White (SHMX391WC) **162.95**

MX391/S: Super-cardioid version of above. Black (SHMX391S) or White (SHMX391WS) ... **173.50**

MX391/O: Omni-directional version of above. Available in Black (SHMX391O) or White (SHMX391WO) **154.95**

MX391BP/C (SHMX391BPC): Cardioid. Battery/phantom power version of above. Includes MX1BP power module **179.95**

MX391BP/S (SHMX391BPS): Super-cardioid version of above **186.50**

MX391BP/O (SHMX391BPO): Omni-directional version of above **167.50**

MX391LP/C: Cardioid. Without MX1BP power module. Uses Tini Q-G connector. Black (SHMX391LPC) or White (SHMX391WLP) **104.95**

MX391LP/S: Super-cardioid version of above. Available in Black (SHMX391LPS) or White (SHMX391WLP) **109.95**

MX391LP/O: Omni-directional version of above. Available in Black (SHMX391LPO) or White (SHMX391WLP) **95.95**

MX392/C (SHMX392C): Cardioid. Includes programmable membrane switch with LED indicator, built-in preamp, logic input/output control capability, unterminated. Phantom power only **207.95**

MX392/S (SHMX392S): Super-cardioid version of above **213.95**

MX392/O (SHMX392O): Omni-directional version of above **194.95**

MX393/C (SHMX393C): Cardioid. Includes programmable membrane switch with LED indicator, built-in preamplifier, detachable cable terminates to a male XLR connector. Phantom power only **207.95**

MX393/S (SHMX393S): Super-cardioid version of above **213.95**

MX393/O (SHMX393O): Omni-directional version of above **194.95**

MX-183/184/185 Lavalier Microphones

Three wired lavalier microphones no larger than a paper clip. Optional interchangeable mic cartridges allows you to tailor the mics to any audio environment. The mics attach to the supplied power supply with the Shure Tini Q-G connector. When the power supply is removed, they can be used with any Shure wireless transmitters.

- ◆ Condenser lavalier microphones
- ◆ Interchangeable cartridges for omni-directional, cardioid and super-cardioid polar patterns
- ◆ Black, snap-fit foam windscreen
- ◆ Frequency Response 60 - 20 kHz
- ◆ Includes both a pivoting single and dual microphone tie clip
- ◆ Compatible with all Shure wireless transmitters
- ◆ Available with belt-clip phantom power only preamp and MX1BP battery/phantom power preamp
- ◆ Attached 4' cable with Tini Q-G connector



LAVALIER MICROPHONE MODELS INCLUDE

MX183 (SHMX183): Omni-directional condenser lavalier, belt-clip preamp, rotatable tie clip, dual tie clip, snap-fit windscreen **167.50**

MX184 (SHMX184): Super-cardioid version of above **186.50**

MX185 (SHMX185): Cardioid version of above **179.95**

MX183BP (SHMX183BP): Omni-directional condenser lavalier microphone with 4' attached cable, MX1BP preamplifier **179.95**

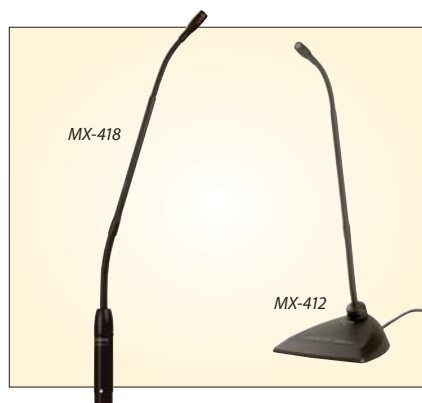
MX184BP (SHMX184BP): Super-cardioid version of above **194.95**

MX185BP (SHMX185BP): Cardioid version of above **192.50**

INSTALLED SOUND - MICROFLEX SERIES

Gooseneck Microphones

Designed with premium audio quality and ease of installation in mind, these miniature condenser gooseneck microphones feature swappable cardioid, super-cardioid and omni-directional cartridge capability and come complete with all the necessary accessories. A variety of mounting options make these mics suitable for any installation. All models run on phantom power and have a frequency response of 50Hz to 17kHz.



SWAPPABLE CARTRIDGES

R183B: Omni-directional. Black (SHR183B) or White (SHR183W)**38.95**

R184B: Super-cardioid. Black (SHR184B) or White (SHR184W)**53.95**

R185B: Cardioid. Black (SHR185B) or White (SHR185W)**47.50**



Gooseneck Microphone Models Include:

MX412/C (SHMX412C): 12" gooseneck, terminates to XLR connector. Flange mount. Cardioid**186.50**

MX412/S (SHMX412S): Super-cardioid version of above**192.50**

MX412/N (SHMX412N): Same as above without a cartridge**141.95**

MX418/C (SHMX418C): 18" gooseneck version of above. Cardioid**186.50**

MX418/S (SHMX418S): Super-cardioid version of above**192.50**

MX418/N (SHMX418N): Same as above without a cartridge**129.95**

MX412D/C (SHMX412DC): 12" gooseneck with desktop base, with programmable switch, logic input and output terminals and attached 10' XLR cable. Cardioid**243.95**

MX412D/S (SHMX418S): Super-cardioid version of above**249.95**

MX412D/N (SHMX418N): Same as above without a cartridge**199.95**

MX418D/C (SHMX418DC): 18" gooseneck version of above. Cardioid**243.95**

MX418D/S (SHMX418DS): Super-cardioid version of above**249.95**

MX418D/N (SHMX418DN): Same as above without a cartridge**199.95**

MX412S/C (SHMX412SC): 12" gooseneck with push-button mute switch and LED status indicator. Terminates to male XLR connector. Cardioid**199.95**

MX412S/S (SHMX412SS): Super-cardioid version of above**207.95**

MX412S/N (SHMX412SN): Same as above without a cartridge**159.95**

MX418S/C (SHMX418SC): 18" gooseneck version of above**199.95**

MX418S/S (SHMX418SS): Super-cardioid version of above**207.95**

MX418S/N (SHMX418SN): Same as above without a cartridge**159.95**

MX412SE/C (SHMX412SEC): 12" gooseneck with attached 10' XLR cable and inline preamplifier, threaded flange mount and shock mount adapter**194.95**

MX412SE/S (SHMX412SES): Super-cardioid version of above**199.95**

MX412SE/N (SHMX412SEN): Same as above without a cartridge**154.95**

MX418SE/C (SHMX418SEC): 18" gooseneck version of above. Cardioid**194.95**

MX418SE/S (SHMX418SES): Super-cardioid version of above**199.95**

MX418SE/N (SHMX418SEN): Same as above without a cartridge**154.95**

MX-202 Hanging Microphones

These phantom power only miniature hanging condenser mics feature the same interchangeable capsule design as the rest of the Microflex series. Available with either plate-mount or stand adapters ideal for use as overheads for live theatrical and musical productions. The flexible 4" gooseneck allows you to unobtrusively aim the mics exactly the way you want them.



HANGING MICROPHONE MODELS INCLUDE:

MX202/C: Cardioid microphone. 4" gooseneck with in-line preamplifier and stand adapter. Available in Black (SHMX202BC) or White (SHMX202WC) finish**167.50**

MX202/S: Super-cardioid version of above. Available in Black (SHMX202BS) or White (SHMX202WS) finish**173.50**

MX202/N: Hanging mic without a cartridge. Available in Black (SHMX202BN) or White (SHMX202WN) finish**124.95**

MX202P/C: Cardioid microphone. 4" gooseneck with plate-mount preamplifier and 30' cable. Available in Black (SHMX202BPC) or White (SHMX202WPC) finish**167.50**

MX202P/S: Super-cardioid version of above. Available in Black (SHMX202BPS) or White (SHMX202WPS) finish**173.50**

MX202BP/N: Hanging mic without a cartridge. Available in Black (SHMX202BPN) or White (SHMX202WPN) finish**124.95**

MICROPHONE ACCESSORIES

A55M Isolation (Shock) Mount (SHA55HM)

Shock Stopper swivel adapter/isolation mount that reduces transmission of mechanical noise and vibration by more than 20dB. For SM57, SM58, SM86, Beta 57A, Beta 58A, Beta 87C or any Shure tapered handle mic.....

**38.95**

A55HM Isolation (Shock) Mount (SHA55M)

Same as above, plus it has a patented design that allows the microphone to be snapped in and out without removing the cable. For SM57, SM58, SM86, Beta 57A, Beta 58A, Beta 87C or any Shure tapered handle mic.....

44.95

A25D Stand

Adapter (SHA25D)

Break resistant adapter for the SM57, SM58, SM87A, Beta 87A and all other mics with 3/4" and larger handle.....

**6.50**

A26M Dual Microphone Mount (SHA25DM)

Dual microphone mount for 545 Series, SM57 and Beta 57A microphones

5.50

Quick-Release Shock Mounts for Gooseneck Mics



These accessories allow permanent installation of a quick-release shock mount for use with a wide variety of gooseneck mics.

A400SM (SHA400SM)

Offering Shock-Stopper construction, the A400SM decouples the mic from the mounting surface and reduces impact or surface noise by up to 20dB

24.95

A400XLR (SHA400XLR)

Consists of an XLR-F connector and insert. Existing A400SM Shock Mounts can be retrofitted for quick release performance with the A400XLR Connector/Insert

22.50

A400SMXLR (SHA400SMXLR)

An A400SM Shock Mount with the A400XLR Connector/Insert

39.95

A99SMA Retrofit Adapter (SHA99SMA)

For the A400SM Shock Mount.....

14.95

MIC-SPECIFIC FOAM WINDSCREENS

For the 545 Series and SM57 (SHA2WSBK)

Locking black foam

14.50

For the 545 Series and SM57 (SHA2WS)

Locking gray foam

14.50

For Beta 57 and Beta 57A (SHA57AWS)

Locking foam

7.50

For MX412 and 418 (SHRK412WS)

Contains four snap-fit screens.....

18.95

For MX183, MX184 and MX185 (SHRK261BWS)

Contains four. Small, black

17.50

For MX183/184/185, WH30 (SHRK183WS)

Contains four black snap-fit screens.....

18.95

For SM86, SM87A (SHA85WS)

.....

12.50

For SM93 (SHRK355WS) Set of 4, Black.....

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17.95

Gooseneck Windscreens

For Easyflex Gooseneck Mics (SHRPM310)

Charcoal Gray, 4 Pieces

6.50

For Easyflex Overhead Mics (SHRPM312)

Charcoal Gray, 4 Pieces

6.50

For Easyflex Overhead Mics (SHRPM314)

White, 4 Pieces

6.50

High Performance Ball Foam Windscreen (SHA99WS) For Microflex Gooseneck Mics...

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5.95

Locking Metal Windscreen (SHA412MWS)

For Microflex Gooseneck Mics.....

19.95

Locking Foam for Beta 57 and Beta 57A

Foam windscreens for ball-type microphones

Locking Black Foam for 545 Series and SM57

For MX412 and 418

Foam Windscreens for all Shure Ball Type Microphones

Black Foam (SHA58WSBK)

6.50

Blue Foam (SHA58WSBL)

6.50

Gray Foam (SHA58WS)

6.50

Green Foam (SHA58WSGN)

6.50

Red Foam (SHA58WSRD)

6.50

Yellow Foam (SHA58WSYL)

6.50

TIE CLIPS



Single Mount

Tie-Clips (SHRK183T1)

For the MX183/184/185.

Two pieces.....

32.95

Dual Mount Tie-Clip (SHRK183T2)

For the MX183, MX184 and MX185.....

14.95

Double Tie Clips (SHRK307DB)

For SM93 (2 pc.)

17.95

Black Single Bar Tie Clips (SHRK354SB)

For SM93 (2 pc.)

12.95

Swiveling Lapel & Dual Tie Clips (SHRPM502)

For WL50 (two of each). Tan color

39.50

Swiveling Lapel & Dual Tie Clips (SHRPM504)

For WL50 (two of each). White color

39.95

Black Swiveling Lapel Clips (SHRPM510)

For WL50 and Beta 53 (5 clips)

27.50

Tan Swiveling Lapel Clips (SHRPM512)

For WL50 and Beta 53 (5 clips)

26.50

White Swiveling Lapel Clips (SHRPM514)

For WL50 (5 clips).....

27.50

FOAM WINDSCREEN & CLIP PACKAGES

Tan Foam Windscreens

and Tie Clips (SHRK304T)

For SM93 (Contains two of each).....

24.95

Windscreens & Clothing Clip (SHRK318WS)

For all WH20 headsets. Contains two foam windscreens and 1 clothing clip

5.95

MICROPHONES ACCESSORIES**PROBLEM SOLVERS**

No matter how well you plan ahead, sooner or later you will probably run into an audio-related problem. For example, eliminating the low end rumble picked up by a sensitive mic due to handling noise or even automobile traffic. Shure has developed a number of problem solving solutions to help you out in these types of situations and many others.

A96F Low- to Medium- Impedance Matching Transformer (SHA96F)

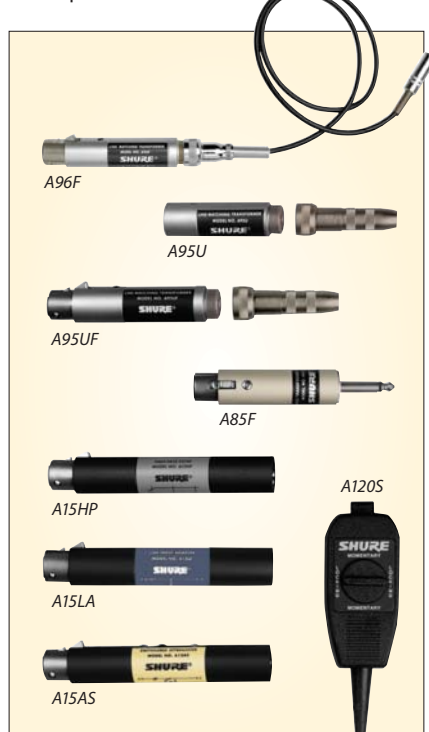
Low impedance, female XLR to medium impedance 3.5mm mini-plug output connector with 18" cable. Adapts a balanced, low-impedance microphone to camcorder recorder input. Also has a DC Bias Filter...**36.50**

A95UF Low- to High-Impedance Mic Transformer (SHA95UF)

Provides 24dB of voltage gain and may be used in reverse (high- to low- impedance). It has a balanced low-impedance 3-pin XLR-F input and an Amphenol MC1M-type output connector with a mating 1/4" male phone plug and female phone plug adapters...**34.95**

A95U Low- to High-Impedance Mic Transformer (SHA95U)

Same as the A95UF, but with a 3-pin XLR male low-impedance connector...**32.50**

**A85F Economy Low- to High-Impedance Mic Matching Transformer (SHA85F)**

Provides 24dB of voltage gain and may be used in reverse. Balanced 3-pin XLR female input and 1/4" male output...**17.50**

A15AS Switchable Mic Attenuator (SHA15AS)

Prevents preamplifier overload when strong signals are applied. Provides 15, 20, or 25dB of microphone attenuation. Requires use of balanced signals; XLR-F in and XLR-M out. Passes phantom power...**38.50**

A15HP High-Pass Filter (SHA15HP)

Reduces unwanted low end rumble in microphone signals. Provides low-end roll-off of 12dB per octave below 100Hz. Slender, in-line XLR (F) to XLR (M) configuration. Requires use of balanced signals...**38.50**

A120S Accessory In-Line Switch (SHA120S)

Provides on/off, push-to-talk, cough button, and transmitter relay keying functions for wired mics. Convenient handheld size with belt clip. For hardwired, in-line use with various cable diameters...**24.95**

A15PRS Switchable Phase Reverser (SHA15PRS)

Provides instant switch selection of normal or reversed phase of a balanced line without modification of equipment. Reverses polarity of pins 2 and 3 of a balanced line. Slender, in-line XLR (F) to XLR (M) configuration; may be used in reverse. Requires use of balanced signals...**38.50**

A15LA Line Adapter (SHA15LA)

Provides 50dB attenuation, allowing a balanced line-level source to be connected to a balanced microphone input. Slender, in-line XLR (F) to XLR (M) configuration. Requires use of balanced signals...**34.95**

A15BT Bridging Transformer (SHA15BT)

Matches balanced or unbalanced devices of different impedances. 33 kOhm primary; 600 or 7500 ohm secondary; may be used in reverse...**39.95**

STANDS**Small Black Desk/Table Stand (SHA202BB)**

For MX202 microphones...**28.50**

Accessory Base (SHA412B)

For Microflex Gooseneck microphones, 10' attached XLR cable...**59.50**

**Chrome Floor Stand (SHMS10C)**

A chrome floor stand with gray metallic base, the MS-10C quickly and easily adjusts from 35" to 64" high...**39.95**

Baby Boom Arm for Chrome Floor Stand (SHBB77)

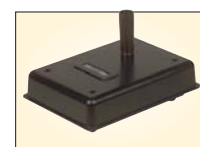
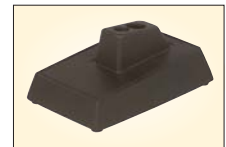
A 31" chrome-plated, adjustable boom that fits the MS-10C Chrome Floor Stand...**29.95**

**Telescoping Mic Floor Stand (SHS15A)**

A rugged and stable, yet portable and light-weight telescoping tripod floor stand. It features five telescoping sections, adjustable height between 3.5' and 14'. It includes a carrying case...**157.50**

Desk Stand (SHS37A)

Provides a low profile, stable base for microphones with swivel connector assemblies, or microphones using swivel adapters and shock mounts. It has a non-reflective, textured, gray finish...**26.95**

**Vibration-Isolation Stand (SHS39A)**

Provides excellent shock isolation, preventing floor or table vibrations from reaching a mounted mic. Use the S39A for sportscasting, conference table or front-of-stage installations, or any application where severe vibrations may occur...**62.95**

Tripod Desk Stand (SHS40B)

With three tripod-style folding legs. It is handy for times that you need compact storage and relative light weight, yet excellent stability. Standard thread for microphone clip...**19.95**

ECM-44 / 55 / 66 / 77 / 88

Electret Condenser Lavalier Microphones

Sony's lavalier microphones are manufactured to meet the most demanding professional broadcast and recording requirements. They are designed to deliver the highest level of performance and reliability. There are five primary lavalier mics in the series, offering different sizes and applications. Additionally, they offer three big advantages over other systems.

High Performance: Sony's lavalier microphones are distinguished by their superior performance, as represented by the wide (20Hz~20kHz) frequency response of the top-of-the-line ECM-88. They will more than measure up to your expectations.

Wide Selection: The ECM-88 is an extremely miniature, omni-directional mic designed for quality-critical applications in broadcasting, theater, and field productions. While slightly bigger, the ECM-77B is also incredibly small and light. The uni-directional ECM-66B is designed for close-miking of musical instruments. The popular ECM-55B incorporates a 10.6mm omni-directional capsule for versatility, while the ECM-44B offers high performance at a lower cost.

Reliability and Convenience: Careful attention is paid to make the capsule immune to external noise and adverse ambient conditions. The cable is strengthened to achieve a high resistance to damage caused by over flexing.

**ECM-44B Omni-directional Electret Condenser Mic** (SOECM44B)

Delivering clean, bright, yet natural reproduction, the ECM-44B makes Sony's exceptional condenser mics available for budget conscious productions, and a variety of sound reinforcement requirements, such as lectures and demonstrations. With in-line battery for powering via 48v phantom power or a single AA battery (for over 5000 hours). Supplied with urethane windscreen and clip**194.95**

ECM44BC (SOECM44BC)
With a Sony SMC9-4P 4-pin connector**99.95**

ECM44BMP (SOECM44BMP)
With a 3-pole mini jack and stable lock mechanism**99.95**

ECM44BPT (SOECM44BPT)
With an unterminated cable for custom installations**108.95**

ECM-55B (SOECM55B)**Omni-directional Electret Condenser Mic**

The ECM-55B is suitable for news, interviews and stage dramas. Frequency response is a wide 30Hz to 18 kHz. Directivity is optimized to ensure uniform, dependable output, regardless of the direction of the sound source. The metal mesh windscreen effectively eliminates both wind noise outdoors and pop noise in close-up situations. Complete with in-line battery for 2-way powering (battery or 48v phantom power). Supplied with metal windscreen and metal holder clips**CALL**



	ECM-44B	ECM-55B	ECM-66B	ECM-77B	ECM-88
Frequency Response	40 - 15k Hz	30 - 18k Hz	70 - 14k Hz	40 - 20k Hz	20 - 20k Hz
Dynamic Range	≥90dB	98dB	≥101dB	≥90dB	≥99dB
Signal-to-Noise Ratio	≥62dB	66dB	≥62dB	≥64dB	≥68dB
Max Input SPL	122dB SPL	126dB SPL	130dB SPL	≥130dB SPL	125dB SPL
Battery Life	Approx. 5000 hrs.	Approx. 5000 hrs.	Approx. 300 hrs.	Approx. 5000 hrs.	
Output Impedance at 1kHz	250Ω	100Ω	100Ω	150Ω	100Ω

ECM-44 / 55 / 66 / 77 / 88**ECM-66B Uni-Directional Electret Condenser Mic** (SOECM66B)

When superb rejection of ambient sound is desired, the ECM-66B yields clean, natural reproduction of vocals or musical instruments while maintaining excellent isolation from the acoustic environment. This miniature microphone has a uni-directional polar pattern, carefully contoured for better control of feedback. The higher voltage supplied to the microphone by the built-in DC-to-DC converter complements the electret condenser design, resulting in excellent transient response and thus better tonal quality. Complete with in-line battery for 2-way powering (battery or 48v phantom power), and a battery on/off switch to save power. An LED shows battery condition when the power is turned on.

ECM66BC (SOECM66BC): With a 4-pin connectorCall

**ECM-77B Omni-directional Condenser Microphone** (SOECM77B)

Only 1/4" x 1/2" and a mere 0.04 oz., the microscopic ECM-77B offers increased mechanical impedance using a metal vaporized, fine ceramic backplate to provide an exceptional 40Hz to 20kHz frequency response and to assure resistance to humidity and temperature extremes. Combined with advanced techniques for sealing the capsule and acoustic housing, the ECM-77B delivers sound that is audibly superior and more pleasing than other lavalier mics. Ideal for broadcasting and stage applications where the mic must be inconspicuous, it enables unobtrusive miking plus also minimizes glare. Even when hidden inside a costume, its frequency response is wide enough to pick up the voice with no perceptible change in quality, while minimizing the pick-up of rustling noise.

ECM77BC (SOECM77BC): With a 4-pin connector for use with a bodypack transmitter.....**259.95**

ECM77BMP (SOECM77BMP): With a 3-pole mini jack and stable lock mechanism.....**248.95**

ECM77BPT (SOECM77BPT): Supplied without a connector (pigtail)**242.95**

ECM-88B Omni-directional Condenser Microphone (SOECM88B)

An extremely miniature, omni-directional electret-condenser microphone for quality-critical applications in broadcasting, theater, and field productions. It's dual-diaphragm mechanism achieves high-sensitivity, flat-and-wide frequency response and low noise characteristics. The diaphragm and back-plates are fixed vertically to the microphone capsule, reducing the mechanical noise caused by cable vibration and friction. Water-resistant architecture reduces the risk of water or perspiration entering the mic capsule. The mic capsule measures just 5/32 x 5/32 x 11/16" allowing for easy, natural-looking concealment in a stage costume. The ECM-88B includes a horizontal clip, a vertical clip, a double clip, a urethane windscreens and a Sony 4-pin connector (SMC9-4P) for use with the supplied DC-78 power-supply or with the optional WRT-8B/822B wireless bodypack transmitters.



ECM88BC (SOECM88BC): With a 4-pin connector for use with a bodypack transmitter. Does not include the DC-78 power-supply**339.95**

ECM88PT: Supplied without a connector (pigtail). Available in Black (SOECM88BPT) and Beige (SOECM88BPT)**334.95/279.95**

DC Power Supply Unit (SODC78)

Designed for use with the ECM-88, the DC-78 is powered via an AA alkaline battery or an external DC (12-48v) power supply. Has an XLR output.....**84.95**

ECM-88 Microphone Accessory Kit (SOADKIT88B)

Includes two types of microphone holders (double-pin and tie-clip), a holder adapter for dual-microphone operation, plus six urethane windscreens (red, yellow, green, blue, gray, and black).....**148.95**

Tie Clips and Windscreens for Sony Lavalier Mics**Misc. 6-packs of Clips for the ECM-88B**

Safety Mic Clips (SOSADS88B)**149.95**
Dual Holder Adapter (SOSADW88B)**74.95**
Horizontal/Vertical Tie Clip (SOSAD88B).....**134.95**

Horizontal Lavalier (Single) Tie Clips

For the ECM-44B (SOSC44)**16.95**
For the ECM-44B (SOSADH44B): Set of 6.....**99.95**
For the ECM-55B (SOSADH55B): Set of 6.....**99.95**
For the ECM-77B (SOSC77)**14.95**
For the ECM-77B (SOSADH77B): Set of 6**139.95**
For the ECM-88 (SOSADH88B): Set of 10.....**159.95**

Horizontal Lavalier (Double) Tie Clips

For ECM-77B 6-pack (SOSADW77B)**119.95**
For ECM-88 6-pack (SOSADW88BL).....**149.95**

Vertical Lavalier (Single) Tie Clips

For ECM-77B (SOSADV77B): Set of 10**129.95**
For ECM-88 (SOSADV88B): Set of 10**159.95**

Urethane Windscreens

Black for ECM-44 (SOWS44)**11.95**
Black for ECM-44 (SOADR44B): Set of 6**99.95**
Black for ECM-66 (SOADR66B): Set of 6**79.95**
Black for ECM-77 (SOWSU77S)**9.95**
Black for ECM-77 (SOADC77B): Set of 12.....**99.95**
Color for ECM88 (SOADC88): Set of 6**134.95**
Black for ECM88 (SOADR88B): Set of 12**118.95**

Metal Mesh Windscreens

Black for ECM-77 (SOWSM77S).....**19.95**
Black for ECM-77 (SOADR77B): Set of 6**94.95**