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ACOUSTI-SHIELD

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Sessions



About Us

CAD Audio originally took shape as the Astatic Corporation, founded in 1931 by C.M. Chorpene and F.H. Woodworth, two ham radio operators with a passion for clean, clear audio transmissions. This passion led them to the development of the highly acclaimed D-104 mic, revolutionary in its ability to perform without static.

This “Astatic” characteristic became the company’s namesake and led to many innovative products including phonograph pickups and cartridges, while also laying foundations for the production of recording heads.

Astatic Commercial Audio Products has continued its growth since then with industry leading solutions for commercial AV applications such as airports, schools, courthouses, Houses of Worship and corporate boardrooms. The company remains key to CAD Audio’s portfolio for today’s integrators, consultants and architects with patented innovations such as Variable Pattern microphones.

CAD (Conneaut Audio Devices) Professional Microphones was initially formed as the Pro Division of the company to serve the emerging recording and live sound markets in the early ‘80s, segments not served by Astatic. Initially, CAD introduced a revolutionary servo circuit console and breakthrough processing products.

The company went on to develop leading-edge high performance studio microphones such as the acclaimed Equitek Series E100, E200, E300, VSM1 and highly coveted VX2. Capitalizing on innovative engineering and home grown capsules/diaphragms, CAD emerged as a leader in recording microphones and literally defined the project studio revolution of the late 1980s and early 1990s.

More recently, CAD Audio has emerged as a multifaceted company with a variety of the sub brands that extend to market segments such as Recording, Broadcast, Live Performance & Production, Commercial and Consumer Electronics. These sub brands include the CADLive, Acousti-Shield, StageSelect, USB and Sessions series of products. CAD Audio is also actively engaged in the Wireless Microphone, Wireless In-Ear-Monitor System, Studio accessory, Headphone and USB markets.

CAD Audio continues to build upon over 85 years of innovation and success in the audio industry delivering innovative and highly useful solutions for performers, engineers and a wide range of audio professionals.

WIRELESS

CADLIVE



CADLive 4000 Series

Digital Wireless System

CADLive is designed to outperform your expectations and deliver exceptional performance. Engineered to compliment the new generation of exceptional sound systems—The CADLive Series taps our Equitek studio heritage along with our live sound know-how in creating an impactful and easy to use line of mics.

The CADLive 4000 series Digital Wireless feature True Diversity operation to minimize multipath interference. Frequency agile design partnered with ScanLink™ technology will precisely scan, select and link to the optimum channel allowing for easy flexible frequency planning.

CADLive wireless features 10, 30, 50mW transmitter power adjustment and dynamic range up to 115dB. Receivers and transmitters are equipped with a high definition LCD display and full RF, AF, Battery Life, Mic Sensitivity and RF power metering.

The CADLive handheld transmitter features metal construction and the CADLive D90 Supercardioid dynamic capsule that provides a powerful, smooth and highly articulate profile. The handheld and body pack transmitters also include SoftTouch™ multi-function On-Off/Mute switches. CADLive bodypack transmitters are equipped with CADTone™ circuitry ensuring accurate reproduction of Hi-Z guitar and Lo-Z mic inputs.

Receivers are housed in an all-metal chassis and supplied with single/dual rack ears and a BNC relocation kit. Body pack systems include Equitek E19 earworn and E29 lavalier mics. Both systems are supplied with a heavy-duty carry case.

Features

- True Diversity to minimize multipath interference
- Frequency agile operation for maximum frequency plan flexibility
- ScanLink™ technology for instantaneous and automatic channel configuration
- CADTone™ Body Pack input—Optimized Impedance Interface—Hi-Z for Guitar and Lo-Z for mic
- Metal construction Handheld Transmitter equipped with CADLive D90 capsule
- High Contrast LCD displays on TX and RX
- Transmitters feature 10, 30, 50mW power adjustment to aide in multiple system applications
- 902-928MHz operation free from FCC TV spectrum legislation
- Simultaneous usage of up to 17 systems
- Dynamic Range > 115dB
- AA Batteries with up to 15 Hrs of battery life
- Systems ship with rack ears single/dual BNC relation kit and durable carry case
- BodyPack systems include miniature E19 Earworn, E29 Lav, WXGTR guitar cable
- XLR and ¼" outputs on receiver



Specifications

Frequency Range	T Band 902 – 928MHz
Frequency Response	40Hz – 15kHz
Dynamic Range	>115dB
Transmitter power	Switchable 10, 30, 50mW
Battery Life	Up to 15 Hrs



CADLive 3000 Series

Wireless System

CADLive is designed to outperform your expectations and deliver exceptional performance. Engineered to compliment the new generation of exceptional sound systems—The CADLive Series taps our Equitek studio heritage along with our live sound know-how in creating an impactful and easy to use line of mics.

The CADLive 3000 series feature True Diversity operation to minimize multipath interference along with CADLock™ Automatic Tone Encoded Squelch to eliminate unauthorized transmissions in the signal path. Frequency agile design when partnered with ScanLink™ technology will precisely scan, select and link to the optimum channel allow for an easy, flexible frequency plan.

The CADLive handheld transmitter features metal construction and the CADLive D90 Supercardioid dynamic capsule that provides a powerful, smooth and highly articulate profile. The handheld and body pack transmitters also include SoftTouch™ multi-function On-Off/Mute switches. CADLive bodypack transmitters are equipped with CADTone™ circuitry ensuring accurate reproduction of Hi-z guitar and Lo-z mic inputs.

CADLive wireless features 10, 30, 50mW transmitter power adjustment and dynamic range up to 110dB. Receivers and transmitters are equipped with a high definition LCD display and full RF, AF, Battery Life, Mic Sensitivity and RF power metering.

Receivers are housed in an all-metal chassis and supplied with single/dual rack ears and a BNC relocation kit. Body pack systems include Equitek E19 earworn and E29 lavalier mics. Both systems are supplied with a heavy-duty carry case.

Features

- True Diversity to minimize multipath interference
- CADLock™ Automatic Tone Encoded Squelch eliminates unauthorized interference
- Frequency agile operation for maximum frequency plan flexibility
- ScanLink™ technology for instantaneous and automatic channel configuration
- CADTone™ Body Pack input—Optimized Impedance interface—Hi-Z for Guitar and Lo-Z for mic
- Metal construction Handheld Transmitter equipped with CADLive D90 capsule
- High Contrast LCD displays on TX and RX
- Transmitters feature 10, 30, 50mW power adjustment to aide in multiple system applications
- Simultaneous usage of up to 15 systems per frequency band
- Dynamic Range > 110dB
- AA Batteries with up to 15 Hrs of battery life
- Systems ship with rack ears single/dual BNC relation kit and durable carry case
- BodyPack systems include miniature E19 Earworn, E29 Lav, WXGTR guitar cable
- XLR and ¼" outputs on receiver



Specifications

Frequency Range	R Band 580 – 600MHz S Band 655 – 679MHz
Frequency Response	40Hz – 15kHz
Dynamic Range	>110dB
Transmitter power	Switchable 10, 30, 50mW
Battery Life	Up to 15 Hrs

WIRELESS

STAGESELECT

STAGESELECT™

1600 Series

UHF Handheld Wireless System

- 100 Channel UHF Agility for frequency plan flexibility
- Diversity Operation to minimize multipath interference
- ScanLink™ technology for instantaneous “scan” of the RF environment and automatic “link” to the transmitter.
- CADLock™ Automatic Tone Encoded Squelch to eliminate unauthorized interference.
- Softtouch™ Switches with multicolor LED indicators of On/Mute and Low Battery.
- AA batteries with >15hrs of battery life
- Metal Chassis receiver for a durable and formidable shielded enclosure with included rack ears.



WX1600

Specifications

RX1600 Receiver

Frequency Range	542.1MHz – 564.4MHz
Frequency Range	638.125MHz – 622MHz
Audio Frequency Response	40Hz – 15KHz
Dynamic Range	>105dB

TX1600 Handheld Transmitter

Dynamic Cardioid Capsule	
Frequency Response	40Hz – 15KHz
Transmit power	10mW
AA Batteries with	>15hrs battery life

TX1610 Bodypack Transmitter

Frequency Response	40Hz – 15KHz
Transmit power	10mW
AA Batteries with	>15hrs battery life
Accommodates	TA4F type connector
Optimized for instrument	via pin 3
Optimized for microphone	via pin 4

STAGESELECT™

1610 Series

UHF Bodypack System

- 100 Channel UHF Agility for frequency plan flexibility
- Diversity Operation to minimize multipath interference
- ScanLink™ technology for instantaneous “scan” of the RF environment and automatic “link” to the transmitter.
- CADLock™ Automatic Tone Encoded Squelch to eliminate unauthorized interference.
- Softtouch™ Switches with multicolor LED indicators of On/Mute and Low Battery.
- AA batteries with >15hrs of battery life
- Metal Chassis receiver for a durable and formidable shielded enclosure with included rack ears.

WX1610 Box

- Includes E19 Equitek miniature earworn mic, WXLAV lav mic & WXGTR guitar cable.



WX1610



STAGESELECT™

IEM

Stereo Wireless In Ear Monitoring System

Enjoy the exciting performance of the StageSelect™ IEM for your next gig. CAD Audio has been creating high-value product since 1931 and prides itself on supporting and developing the live performer. Our design criterion was straightforward: develop a high-performance wireless In Ear Monitor System that will deliver superior audio performance while supplying advanced frequency agility, capable enough to cope with today's dynamic RF environment—making it both easy to use and exciting to operate.

The StageSelect™ IEM Stereo Wireless In Ear Monitor System features 16 channel frequency agile performance for outstanding connectivity. CADLock™ Automatic Tone Code Squelch eliminates unauthorized interference in RF unfriendly environments. Stereo operation lends flexibility of use—You may send discrete signals to the left or right channel. High performance MEB2 Monitor Earbuds are included to make your listening experience top flight. The MEB2 TruPitch™ Dual Armature Earbuds provide accurate audio reproduction while the EasyFit™ silicon earmolds provide a custom fit. The metal construction rack mountable transmitter is supplied with rack ears, half wave antenna, antenna relocation kit and sturdy carrying case.

Specifications	
Frequency	Q Band 470 – 498MHz
Audio Frequency Response	40Hz – 16KHz
Audio Input	Combination XLR - 1/4"
Dynamic Range	>101dB
Audio Output Power	100mw into 32 Ohm
Transmit power	30mW
AA Batteries with	>10hrs battery life





GXLU WIRELESS

Wireless Microphone System

The GXLU UHF system features two channels of UHF wireless, also engineered into one chassis. The GXLU receiver is outfitted with XLR and 1/4" connectors as discrete outputs and XLR as mix output of the two channels. The receiver also includes RF and AF indicator lights and volume controls. GXLU wireless is also offered with a choice of handheld or bodypack transmitters. All body-pack systems are supplied with guitar cable and condenser headworn mic at no additional charge.

Specifications

RXGXLU Receiver

Frequency Band	UHF
Frequency Response	50Hz – 18KHz
Dynamic Range	>105dB
Sensitivity	-105dB (12dB SINAD)
Output Connectors	(2) XLR Balanced, 1 TRS 1/4"

TXGXLUB Body Pack Transmitter

Transmit Power	10mW
Power Requirements	"AA" size alkaline or rechargeable batteries
Battery Life	>10 hours (alkaline)
Connector	Accepts TA4F-type

TXGXLUH Handheld Transmitter

Operating Principal	Dynamic Unidirectional Capsule
Sensitivity	-33dBV (22mv) @ 1Pa
Transmit Power	10mW
Power Requirements	"AA" size alkaline or rechargeable batteries
Battery Life	>10 hours (alkaline)

GXLU Wireless Series available as:



GXLUHB

UHF Combo wireless system (includes WXHW, WXGTR)



GXLUHH

UHF Dual Handheld wireless system



GXLUBB

UHF Dual Bodypack wireless system (includes [2] WXHW, [2] WXGTR)



GXLV WIRELESS

Wireless Microphone System

The GXLV VHF system features two channels of VHF wireless conveniently engineered into one chassis. It includes XLR and 1/4" discrete outputs and XLR as a mix output of the two channels. The GXLV receiver has RF and AF indicator lights and volume controls. GXLV wireless is offered with a choice of handheld or bodypack transmitters and all bodypack systems are supplied with a guitar cable and a condenser headworn mic at no additional charge.

Specifications

RXGXLV Receiver

Frequency Band	VHF
Frequency Response	50Hz – 18KHz
Dynamic Range	>100dB
Sensitivity	-105dB
Output Connectors	(2) XLR Balanced, 1 TRS 1/4"

TXGXLBV Body Pack Transmitter

Transmit Power	10mW
Power Requirements	9V battery
Battery Life	>10 hours (alkaline)
Connector	Accepts TA4F-type

TXGXLHV Handheld Transmitter

Operating Principal	Dynamic Unidirectional Capsule
Sensitivity	-26dBV (50mv) @ 1Pa
Transmit Power	10mW
Power Requirements	9V battery
Battery Life	>10 hours (alkaline)

TXGXLHV
Handheld Transmitters



GXLVHH

GXLV Wireless Series also available as:

GXLVHH – VHF Dual Handheld wireless system

GXLVHB – VHF Combo wireless system (includes WXHW, WXGTR)

GXLVBB – VHF Dual Bodypack wireless system (includes [2] WXHW, [2] WXGTR)



GXLVHB



GXLVBB

WIRELESS

COMMERCIAL GRADE



WX100

Installation Grade Wireless Microphone System

The WX100 UHF Wireless Series was designed using the latest wireless technologies to ensure the highest standards of connectivity in the most congested RF environments. The familiar and intuitive control scheme that allows for problem-free operation for A/V suites, flexible meeting spaces or any situation that requires easy-to-use, highly reliable wireless.

Specifications

Maximum Output Level	
Balanced Output	-10dBV
Unbalanced Output	+10dBV
Output Impedance	
Balanced Output	200 ohms
Unbalanced Output	100 ohms
RF Bandwidth	38.4MHz
Switchable Frequencies	16
RF Sensitivity	-95dBm >75dB S/N
Image Rejection	>85dB
Squelch	Noise Squelch and Tone Squelch
Multipath Mitigation	True Spatial Diversity

WX150 Handheld



The WX150 is a cardioid dynamic handheld microphone designed for use in pro audio A/V applications. The WX150 features an uncomplicated on/off switch with Smart Audio Technology ensuring silent on/off operation.

Specifications

Operating Principle	Moving coil dynamic
Polar Pattern	Cardioid
Frequency Response	80Hz – 15KHz
Maximum SPL	146dB (sensitivity level "1")
Dynamic Range	115dBA
RF Transmitter Output	50 mW maximum
Modulation	FM, +/- 40KHz peak
Power Requirements	2 "AA" size alkaline or rechargeable batteries
Battery Life	>10 hours (alkaline)



WX160

Desk Stand

The WX160 is a desk stand transmitter designed for use in pro audio A/V applications. The WX160 accommodates various length goosenecks and is optimized for use with the Astatic 915B and Astatic 920B. Designed with intuitive and flexible programmability the WX160 fulfills requirements for easy operation and custom applications. The WX160 has two user defined mute options. Power up "on" or Power up "off" with easy-to-use latching or momentary switches. The WX160 is designed to accommodate alkaline or rechargeable batteries.

Specifications

Operating Principle (915B/920B)	Condenser
Polar Pattern (915B/920B)	Cardioid
Frequency Response	150Hz – 15KHz
Maximum SPL	118dB
RF Transmitter Output	50 mW maximum
Modulation	FM, +/- 40KHz peak
Power Requirements	2 "AA" size alkaline or rechargeable batteries
Battery Life	>10 hours (alkaline)



WX155

Body Pack

The WX155 is a body-pack transmitter designed for use in pro audio A/V applications. The WX155 features an uncomplicated on/off switch with Smart Audio Technology ensuring silent on/off operation. The WX155 is designed to accommodate alkaline or rechargeable batteries.

Specifications

Frequency Response	25Hz – 15KHz
Maximum input level	Microphone input: -6dBV Instrument input: +6dBV
RF Transmitter Output	50 mW maximum
Modulation	FM, +/- 40KHz peak
Power Requirements	2 "AA" size alkaline or rechargeable batteries
Battery Life	>10 hours (alkaline)
Connector	Accepts TA4F-type



E29 Equitek Broadcast and Production

Miniature lavalier microphone

The Equitek Broadcast and Production microphones draw on a renowned talent for building high quality studio microphones coupled with hands-on Broadcast and Production experience.

The E29 Equitek Broadcast and Production miniature lavalier microphone delivers industry leading performance with high sensitivity and low self noise. The E29 miniature design allows for easy inconspicuous placement while providing maximum intelligibility with natural, accurate reproduction. Designed with broadcasters, house of worship user, presenter or theater performer in mind the E29 overachieves for most any application. Currently available for CAD Audio Wireless with TA4F type connector—subsequent replacement cables are planned for TA3F, HRS and locking mini type connectors.

Specifications

Operating Principle	Condenser
Pattern	Omni Directional
Capsule Size	2.5mm
Frequency Response	20Hz – 20KHz
Sensitivity	-46dBV (5.0mV) @1Pa
Max SPL	134dB



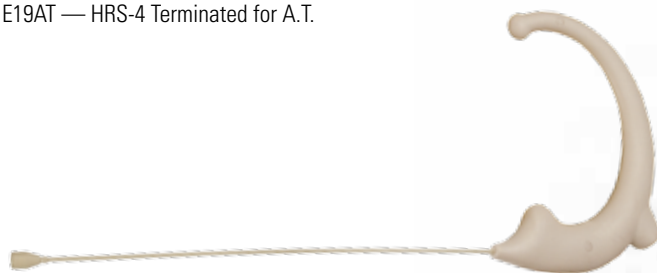
E19 Equitek Broadcast and Production

Miniature earworn wireless microphone

E19SR — 3.5mm Terminated for Sennheiser

E19SL — TA4F Terminated for Shure

E19AT — HRS-4 Terminated for A.T.



Specifications

Operating Principle	Condenser
Pattern	Omni Directional
Capsule Size	2.5mm
Frequency Response	20Hz – 20KHz
Sensitivity	-46dBV (5.0mV) @1Pa
Max SPL	138dB



WIRELESS

ACCESSORIES



302 Headworn

Hypercardioid condenser headworn microphone designed with dual-ear comfort ensuring a stable and comfortable fit. The 302 combines high-sensitivity with high sound pressure capability to accommodate successful performances, boardroom to stage. Compatible with all CAD Audio wireless systems.

WXGTR

Heavy duty instrument cable for guitar or bass wireless system. 1/4" male end to CAD TA4F connector. Compatible with all CAD Audio wireless systems.



WXHW

Wireless Headworn Hyper-Cardioid condenser microphone with CAD TA4F connector. Compatible with all CAD Audio wireless systems.

301 Lavalier

Cardioid condenser lavalier microphone designed for high performance where linear response translates to superior gain before feedback. Supplied with clip and windscreen. Compatible with all CAD Audio wireless systems.



WXLAV

Wireless Lavalier Cardioid condenser microphone with CAD TA4F connector. Compatible with all CAD Audio wireless systems.

BPC1 Drop-in Battery Charger

Designed for easy charging of AA NiMH batteries without being removed from the WX155 transmitter. Features overcharge protection and status lights. The units can be linked together utilizing the chassis keys on each side of the unit. The power can be daisy chained utilizing the DC In / DC Out plugs on the back of each unit.



HCC1 Plug-in Charger

Designed for easy charging of AA NiMH batteries without being removed from the WX150 and WX155 transmitters. The HCC1 features over-charge protection and indicator lights for when the transmitter is fully charged. The charger draws power from a standard A/C power outlet, power adapter provided.

DA4090 Distribution Amplifier

The DA4090 is a high quality antenna distribution solution for use in pro audio applications such as live performance—musical/theatrical—HOW and audio-video integration.

Designed with a net 0dB amplification thereby eliminating split-attenuation. Minimal amplification is applied to reduce the risk of unwanted intermodulation interference.

Integrated DC power distribution conveniently distributes 12VDC to drive up to four CAD Audio receivers.

All antenna connectors are BNC-type for easy plug and play compatibility. The DA4090 comes complete with RF patch cables for four receivers, rack ears and the appropriate power cables.



Specifications

Frequency Range	UHF 470–960MHz
Impedance	50Ω
Gain	0dB
AC Power	100–240V, 60Hz
DC Output	DC 12–15V, 3.6A
Antenna Power	12V

ANT100 Whip Dipole Antenna

UHF whip dipole antenna. BNC connector, 50ohm impedance, 2dBi of gain.



ANT110 Ground-plane dipole Antenna

UHF Ground-plane dipole antenna. BNC connector, 50 ohm impedance, 3dBi of gain. Supplied with mounting hardware to relocate antenna to exterior of an equipment rack.



ANT120 Paddle Antenna

UHF LPDA paddle antenna. BNC connector, 520MHz–860MHz, 50ohm impedance, 7dBi of gain.



CADLIVE



LIVE PERFORMANCE

The Live Performance Series has a microphone solution for every stage, arena and theatre. From industry leading percussion and instrument mics to premium vocal mics, our live series will give you the sound you want at a price you can afford.



LIVE PERFORMANCE

CADLIVE



CADLive A77 AND A77R

CAD Audio reminisces a day gone by back to its roots of high design and stellar, cutting edge performance and styling's of the A77. Reissuing patent #185,712 as a symbol of CAD Audios 85th anniversary celebration—The A77 reminds us that performance and style are key aspects of an artists success.

The A77 is a large diaphragm dynamic side address microphone equipped with a modern tribute to the original capsule—Updated with PowerGap™ high gauss magnet and a TrueFlex™ diaphragm. The update brings modern performance and results in a hot and articulate acoustic profile.

The A77R brings the vintage ribbon sound to the A77 style. A large format ribbon surrounded by PowerGap high gauss magnets establish A77R as a new standard in live vocal ribbon performance.

- TrueFlex™ diaphragm for articulate response
- PowerGap™ Neodymium magnet for hot signal
- Reimagined retro presentation of a classic



Specifications

A77

Pattern	Super Cardioid
Frequency Response	30Hz – 15KHz
Sensitivity	-48dBV (3.56mV) @1Pa
Principle	Dynamic moving coil motor
Impedance	500ohms
Max SPL	>150dB



CADLive Microphones

CADLive is designed to outperform your expectations and deliver exceptional performance. Engineered to compliment the new generation of exceptional sound systems—The CADLive series of products taps into our Equitek studio heritage along with our live sound know-how, in creating an impactful and easy to use line of mics.

The CADLive: D80, D82, D84 represent durable, easy to place designs each possessing unique sound profiles. Used individually or in tandem the CADLive D80, D82, D84 may be used to create the custom sound you wish from your guitar cabinets and percussion.

The D80 is a Large Diaphragm Moving Coil Dynamic that delivers a reminiscent, yet updated sound profile you would look for in a dynamic microphone. The D80 has a tight Super-Cardioid polar pattern while supplying a hot output—ensuring outstanding performance on even the loudest stages.

The D82 is a Moving Ribbon Dynamic that will give you true ribbon warmth with a bit more sparkle than you might expect in a ribbon microphone. Its exceptional frequency response along with an impressive max SPL, make it perfect for delivering your custom tone.

The D84 is a Large Diaphragm Condenser that gives you true studio reproduction in an easy to place design, resulting in a rich, transparent, true to life sound. The D84 has internal shock mounting adding to its ease of placement—no need for a big, hard to position shock mount.

Specifications

D80: Moving Coil Dynamic Super Cardioid

Frequency Response	50Hz – 18KHz
Sensitivity	-48dBV (4.0mV) @1Pa

D82: Moving Ribbon Dynamic Figure-of-Eight

Ribbon Warmth with Extended Response	
Frequency Response	30Hz – 20KHz
Sensitivity	-56dBV (1.6mV) @1Pa
Max SPL	140dB@100Hz

D84: Externally Polarized Large Diaphragm Cardioid Condenser

Rich Transparent True-to-Life Reproduction	
Frequency Response	20Hz – 18KHz
Sensitivity	-30dBV (30mV) @1Pa
Phantom Power	P48, 4mA

LIVE PERFORMANCE

CADLIVE



CADLive D88

CADLive is designed to outperform your expectations and deliver exceptional performance. Engineered to compliment the new generation of exceptional sound systems—The CADLive Series taps our Equitek studio heritage along with our live sound know-how in creating an impactful and easy to use line of mics.

The CADLive D88 Kick Mic blasts its way to the stage firmly reproducing your kick in true Rock and Roll form and function. Equipped with one of the largest capsules made—Outfitted with a TrueFlex™ diaphragm and powered by a PowerGap™ magnet—The D88 is custom tailored for today's kick drum sound.

- TrueFlex™ diaphragm for articulate response
- PowerGap™ Neodymium magnet for hot signal
- Tailored for today's kick drum sound

Specifications

D88

Pattern	Super Cardioid
Frequency Response	20Hz – 17kHz
Sensitivity	-65dBV (0.56mV) @1Pa
Max SPL	>150dB





CADLive D89

Supercardioid Dynamic Instrument Mic

The CADLive D89 supercardioid dynamic instrument mic is outfitted with a Trueflex™ diaphragm and PowerGap™ high gauss neodymium magnets creating a hot and articulate live performance instrument microphone. Excellent on acoustic and electric instruments—its versatile design makes it a perfect match for drums, guitar cabs, brass and strings.

Specifications	
Pattern	Supercardioid
Principle	Dynamic moving coil motor
Frequency Response	50Hz – 17KHz
Sensitivity	-50 dBv (2.8mV) @ 1Pa
Impedance	520 ohms
Max SPL	>150dB



CADLive D90

Supercardioid Dynamic Handheld Mic

The CADLive D90 supercardioid dynamic handheld mic is outfitted with a Trueflex™ diaphragm and PowerGap™ high-gauss neodymium magnets creating a hot and articulate live performance vocal microphone. Engineered for smooth, articulate lead vocal performance in a durable and road-ready design.

Specifications	
Pattern	Supercardioid
Principle	Dynamic moving coil motor
Frequency Response	50Hz – 16KHz
Sensitivity	-51 dBv (2.8mV) @ 1Pa
Impedance	500 ohms
Max SPL	>150dB





CADLive D32

Supercardioid Handheld Microphone

The CADLive D32 is a supercardioid dynamic handheld microphone with a QuietTouch™ on/off switch and neodymium capsule. Superior gain before feedback and silent on/off switch make the D32 a perfect choice for vocal performance where the performer's control of the mic signal is important. You don't have to compromise your sound quality or endure noisy on/off switches anymore. Supplied in a 3-pack as the D32X3 with carry case and mic clips.

Specifications	
Pattern	Supercardioid
Principle	Dynamic moving coil motor
Frequency Response	80Kz – 15KHz
Sensitivity	-51 dBv (2.8mV) @ 1Pa
Impedance	520 ohms
Max SPL	>145dB



CADLive D38

Supercardioid Handheld Microphone

The CADLive D38 is a supercardioid dynamic handheld with a neodymium capsule ensuring a hot signal. Durable, all metal construction and articulate the D38 overachieves in most any live sound application from lead vocals to spoken word announcements. Supplied in a 3-pack as the D38X3 with carry case and mic clips.

Specifications	
Pattern	Supercardioid
Principle	Dynamic moving coil motor
Frequency Response	80Hz – 18KHz
Sensitivity	-53 dBv (2.3mV) @ 1Pa
Impedance	500 ohms
Max SPL	>148dB



RECORDING

RECORDING

CAD Audio is proud to celebrate 85 years in the microphone/transducer design business. In the late 1980's CAD introduced the first studio condensers to offer superior performance at an affordable price. Over the past 25 years, the CAD name has become synonymous with innovative products, great value and exceptional sonic accuracy. Our Recording series offers a broad range of studio condensers for every application. From vocals, stringed instruments and percussion, to guitar cabinets and everything in between, CAD offers the versatility and performance demanded by today's recording professional.





Equitek

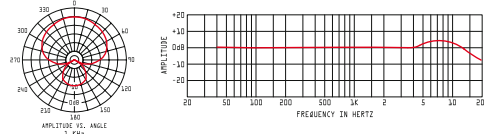
E100S

Supercardioid Condenser Microphone

Engineered and built in the USA to the highest quality standard, the new Equitek E100S large-diaphragm supercardioid condenser mic has the lowest noise floor in its class (3.7dBA) and the smooth vintage tone with full-bodied low end CAD is known for. The E100S features a bootstrapped, full differential Quadra-FET™ front-end to ensure high sensitivity and low distortion. A nickel-plated one-inch capsule delivers accurate phasing when miking instruments and a full, rich tone for vocals that is enhanced by the microphone's extended low-end frequency response. CAD's proprietary circuitry preserves all of the warmth and detail demanded by leading artists and engineers. Additional features include an 80Hz hi-pass filter and a 10 dB pad. A twin 5087 output driver provides low drive impedance. RoHS compliant, the E100S also features exceptional RF immunity. P48 (48V) phantom power is required. Ideal for recording vocals, percussion, acoustic instruments and everything in between, the E100S is versatile enough to deliver exceptional performance on stage and in the studio. Supplied in a high quality cherry wood carrying case, the E100S also includes a stealth shock mount.

Specifications

Operating Principal	Permanently-Biased Condenser
Polar Pattern	Supercardioid
Frequency Response	40Hz – 18KHz
Sensitivity	-30dBV (28 mV) @ 1 Pa
Impedance	140 ohms
Max SPL	150dB (pad engaged)
Self Noise	3.7 dBA
Hi-Pass	80Hz, 6dB/oct
Attenuator	10dB
Power Requirements	P48, 2 mA



Equitek

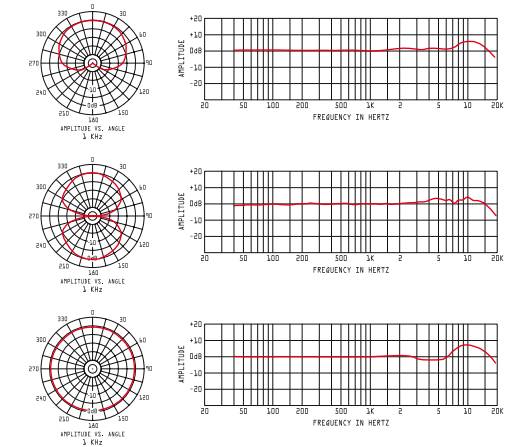
E300S

Multi-Pattern Condenser Microphone

Transparent, airy upper and mids, coupled with a rich, silky smooth low end and an enormous upfront presence make the E300S our finest vocal mic. The 1.1" 24K gold sputtered externally biased triple pattern dual diaphragm condenser capsule is hand dampened for consistent frequency response. A regulated bypass voltage generator for precise output sensitivity, sophisticated laser trimmed op-amp circuitry and open capsule architecture design make the E300S a classic vocal studio microphone. Shock mount and carrying case included. P48 (48V) phantom power is required.

Specifications

Operating Principal	Externally-Biased Condenser
Polar Pattern	Cardioid, Omnidirectional, Figure-of-Eight
Frequency Response	20Hz – 20KHz
Sensitivity	-32dBV (20 mV) @ 1 Pa
Impedance	220 ohms
Max SPL	145dB
Self Noise	12 dBA
Hi-Pass	135Hz, 6dB/oct
Attenuator	20dB
Power Requirements	P48, 8 mA





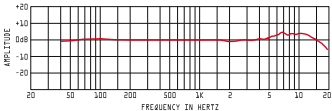
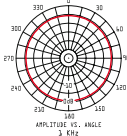
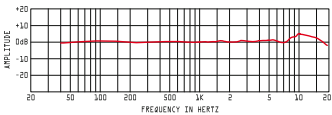
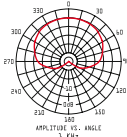
Equitek

E70
Modular Dual-Capsule
Condenser Microphone

Why decide when you can have both? Omnidirectional capsule for flat near field and ambience. Cardioid capsule for proximity boost and off-axis rejection. Capture your instrumentation with exacting detail. Features include field-effect detection, transformerless drive, dual-frequency hi-pass filter and two-position attenuator. Elastic shock mount, stand clamp and windscreen are included. P48 (48V) phantom power is required.

Specifications

Operating Principal	Externally-Biased Condenser
Polar Pattern	Cardioid, Omnidirectional
Frequency Response	20Hz – 20KHz
Sensitivity	-39dBV (11 mV) @ 1 Pa
Impedance	85 ohms
Max SPL	145dB (pad engaged)
Self Noise	23dBA
Hi-Pass	75Hz & 150Hz, 6dB/oct
Attenuator	10dB & 20dB
Power Requirements	P48, 2 mA



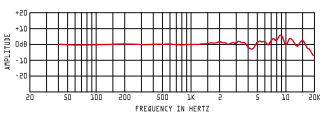
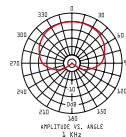
Equitek

E60
Cardioid Condenser Microphone

Externally-biased point-source transduction with high-power transformerless drive in a bulletproof road-ready housing. Take it on tour for high-impact instrumentation. Features include three-frequency hi-pass filter, 10dB attenuator and integral stand clamp. P24 (24V) or P48 (48V) phantom power is required.

Specifications

Operating Principal	Externally-Biased Condenser
Polar Pattern	Cardioid
Frequency Response	30Hz – 20KHz
Sensitivity	-40dBV (10 mV) @ 1 Pa
Impedance	300 ohms
Max SPL	140dB (pad engaged)
Self Noise	22dBA
Hi-Pass	40Hz, 85Hz & 150Hz, 6dB/oct
Attenuator	10dB
Power Requirements	P24, P48, 5 mA





TRION 7000 Dual-Element Ribbon Microphone

The Trion 7000 is a dynamic, dual-element, ribbon microphone. The sophisticated, precision-machined, hand-assembled aluminum ribbon capsule offers a warm, rich classic sound. The 7000 is an excellent choice for recording vocals, brass, woodwinds, cello and acoustic bass as well as guitar and bass amps. It can be used in both live and studio applications wherever a warm, full-bodied tone is desired. The polar pattern is naturally a figure-of-eight. The pronounced proximity effect associated with the Trion 7000 produces a “fattening effect” at close distances. All these features make the 7000 an excellent choice for a wide variety of live and recording applications. Shock mount, heavy-duty aluminum carrying case included.

Specifications

Operating Principal	Moving Ribbon Dynamic
Polar Pattern	Figure-of-Eight
Frequency Response	25Hz – 9KHz
Sensitivity	-53dBV (2.2 mV) @ 1 Pa
Impedance	940 ohms



TRION 8000 Multi-Pattern Condenser Tube Microphone

The Trion 8000 is a multi-pattern, externally biased, large dual diaphragm studio tube condenser microphone. Incorporating a sophisticated, precision-machined, hand-assembled capsule, the low mass 1.12” gold vapor deposited, hand dampened diaphragms offer the warm, rich and open classic tube sound ideal for studio vocal recordings in the digital realm. Exceptional sensitivity, low distortion and an extended frequency response make the 8000 an outstanding performer. Discrete Class A electronics provide transparent, accurate sound reproduction and warm tube performance. The rugged metal housing and construction provide the durability required to withstand the harsh day-to-day demands of both live and studio environments. Shockmount, heavy-duty aluminum carrying case, 25ft 6-pin connector cable, and power supply included.

Specifications

Operating Principal	Externally-Biased Condenser
Polar Pattern	Cardioid, Figure-of-Eight, Omnidirectional
Frequency Response	20Hz – 20KHz
Sensitivity	-37dBV (14 mV) @ 1 Pa
Impedance	250 ohms
Max SPL	143dB
Self Noise	21dBA
Power Requirements	PS120 Power Supply Included





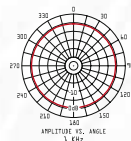
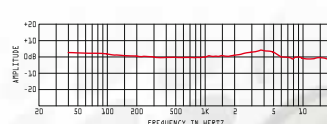
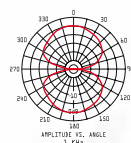
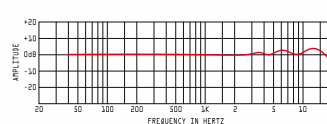
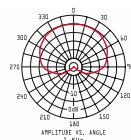
M179

Variable Pattern Condenser Microphone

The M179's continuously variable pattern control allows the blending of patterns from omni to hypercardioid to figure-of-eight. Simply "dial in" your desired pattern for the greatest flexibility in live and recording situations. A unique combination of vintage design and modern electronics, the M179 features a dual diaphragm version of our legendary E300 capsule and an externally biased design with a 24k gold sputtered 1.1" diaphragm. The M179's advanced head amp design and efficient power circuitry ensure superior reproduction in critical miking situations with an open, natural sound, fast transient response, low distortion, low noise, and a high output level. Features include a variable pattern control, 100 Hz hi-pass filter and 20dB pad. Swivel mount, shock mount and carrying case included.

Specifications

Operating Principal	Externally-Biased Condenser
Polar Pattern	Continuously Variable
Frequency Response	20Hz – 20KHz
Sensitivity	-36dBV (16 mV) @ 1 Pa
Impedance	200 ohms
Max SPL	143dB (pad engaged)
Self Noise	11dBA
Hi-Pass	100Hz, 6dB/oct
Attenuator	20dB
Power Requirements	P24, P48, 8 mA



GXL BP

RECORDING



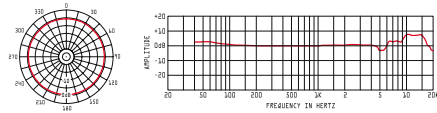
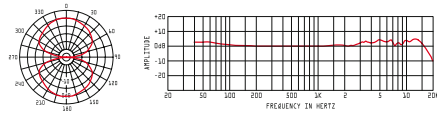
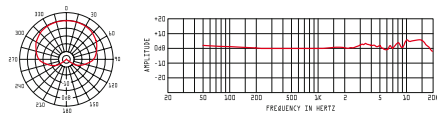
GXL3000BP

Black Pearl Chrome Finish Multi-Pattern Condenser Microphone

Features a 1" gold-vapor deposited capsule and multiply patterns, Cardioid, figure-of-eight and omni directional.

Specifications

Operating Principal	Externally-Biased Condenser
Polar Pattern	Cardioid, Figure-of-Eight, Omnidirectional
Frequency Response	25Hz – 20KHz
Sensitivity	-36dBV (13 mV) @ 1 Pa
Impedance	200 ohms
Max SPL	135dB (pad engaged)
Self Noise	18dBA
Hi-Pass	100Hz, 6dB/oct
Attenuator	10dB
Power Requirements	P48, 3.5 mA



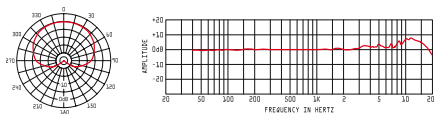
GXL2200BP

Black Pearl Chrome Finish Cardioid Condenser Microphone

Offering exceptional value, the GXL2200BP is a large diaphragm condenser microphone finished in lustrous black pearl chrome. The GXL2200BP's capsule features a sophisticated 1" gold-vapor deposited diaphragm. Exceptional sensitivity and low distortion make it an outstanding performer in a variety of live and recording applications. Shock mount, vinyl pouch and polishing cloth included.

Specifications

Operating Principal	Externally-Biased Condenser
Polar Pattern	Cardioid
Frequency Response	25Hz – 20KHz
Sensitivity	-35dBV (16 mV) @ 1 Pa
Impedance	75 ohms
Max SPL	130dB
Self Noise	19 dBA
Hi-Pass	100Hz, 6dB/oct
Power Requirements	P48, 3 mA



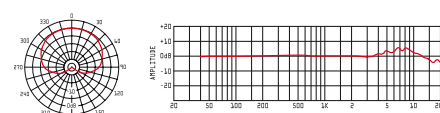
GXL1200BP

Black Pearl Chrome Finish Cardioid Condenser Microphone

Finished in lustrous black pearl chrome, the compact and durable GXL1200BP condenser is known for its open, transparent sound. Its transformerless design reduces distortion and optimizes low-end response. A uniform cardioid pattern controls feedback. The GXL1200BP's small size, accuracy, and high SPL capability, make it ideal for miking overheads, high hats, cymbals, and stringed instruments. Mic clip, vinyl pouch and polishing cloth included.

Specifications

Operating Principal	Externally-Biased Condenser
Polar Pattern	Cardioid
Frequency Response	25Hz – 20KHz
Sensitivity	-35dBV (16 mV) @ 1 Pa
Impedance	100 ohms
Max SPL	135dB
Self Noise	17dBA
Power Requirements	P48, 4 mA





GXL2200BPSP

Studio Pack Black Pearl Chrome Finish

Includes one GXL2200BP large diaphragm cardioid condenser microphone, one GXL1200BP cardioid condenser microphone, one MH110 studio headphones, and one EPF15A pop filter. Shock mount and mic clip included.



GXL3000BPSP

Studio Pack Black Pearl Chrome Finish

Includes one GXL3000BP large diaphragm cardioid condenser microphone, one GXL1200BP cardioid condenser microphone, one MH110 studio headphones, and one EPF15A pop filter. Shock mount and mic clip included.





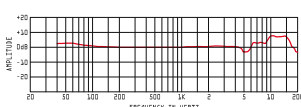
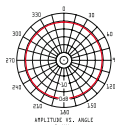
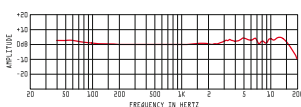
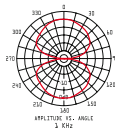
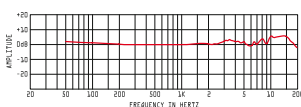
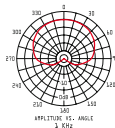
GXL3000

Multi-Pattern Condenser Microphone

The GXL3000's capsule features a large multi-pattern (cardioid, omni, figure-of-eight) dual diaphragm design. Features include a 100 Hz hi-pass filter and 10 dB pad. Shock mount and vinyl pouch included.

Specifications

Operating Principal	Externally-Biased Condenser
Polar Pattern	Cardioid, Figure-of-Eight, Omnidirectional
Frequency Response	25Hz – 20KHz
Sensitivity	-36dBV (13 mV) @ 1 Pa
Impedance	200 ohms
Max SPL	135dB (pad engaged)
Self Noise	18dBA
Hi-Pass	100Hz, 6dB/oct
Attenuator	10dB
Power Requirements	P48, 3.5 mA



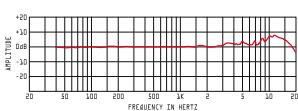
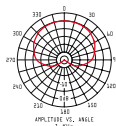
GXL2200

Cardioid Condenser Microphone

The GXL2200 is a large diaphragm condenser microphone with a cardioid pattern. Shock mount and vinyl pouch included.

Specifications

Operating Principal	Externally-Biased Condenser
Polar Pattern	Cardioid
Frequency Response	25Hz – 20KHz
Sensitivity	-35dBV (16 mV) @ 1 Pa
Impedance	75 ohms
Max SPL	130dB
Self Noise	19 dBA
Hi-Pass	100Hz, 6dB/oct
Power Requirements	P48, 3 mA



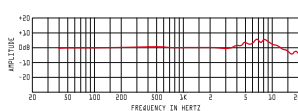
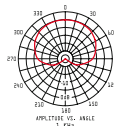
GXL1200

Cardioid Condenser Microphone

The GXL1200 is a small diaphragm condenser microphone with a cardioid pattern. Ideal for miking acoustic instruments. Clip, windscreen and vinyl pouch included.

Specifications

Operating Principal	Externally-Biased Condenser
Polar Pattern	Cardioid
Frequency Response	25Hz – 20KHz
Sensitivity	-35dBV (16 mV) @ 1 Pa
Impedance	100 ohms
Max SPL	135dB
Self Noise	17dBA
Power Requirements	P48, 4 mA





GXL2200SP

Studio Pack

Contains one GXL2200 large diaphragm condenser, one GXL1200 cardioid condenser and one EPF15A pop filter. Shock mount and mic clip included.



GXL2200SSP

Stereo Studio Pack

Contains one GXL2200 large diaphragm condenser, two GXL1200 cardioid condensers and one EPF15A pop filter. Shock mount and mic clips included.



GXL3000SP

Studio Pack

Contains one GXL3000 large diaphragm multi-pattern condenser, one GXL1200 cardioid condenser and one EPF15A pop filter. Shock mount and mic clip included.



GXL3000SSP

Stereo Studio Pack

Contains one GXL 3000 large diaphragm multi-pattern condenser, two GXL1200 cardioid condensers and one EPF15A pop filter. Shock mount and mic clips included.

ACOUSTI-SHIELD

ACOUSTIC ENCLOSURE



ACOUSTI-SHIELD VOXPOP

VP1

Features

- Double-layer Acoustic Nylon is highly effective at extinguishing plosives.
- High quality metal construction gooseneck and stand clamp allows for precise placement
- Sonically Transparent



ACOUSTI-SHIELD

AS16

Stand Mounted Acoustic Enclosure

Features

- The Acousti-shield AS16 is constructed from a high quality 16 gauge perforated metal shield mated to 30mm high density micro cell acoustic foam, resulting in a dry recording environment.
- The Acousti-shield AS16 reduces reflections, echo and attenuates unwanted environmental acoustic interference.
- Innovative design allows for pencil condensers as well as dynamic instrument mics to be used in both recording and live environments.
- The Acousti-shield AS16 is an essential tool for enhanced performance and a vital accessory for the professional musician.
- Microphone not included.



ACOUSTI-SHIELD

AS22

Foldable Stand Mounted Acoustic Enclosure

Features

- The Acousti-shield AS22 is constructed from a high quality 16 gauge perforated stainless steel shield mated to 53mm high density micro cell acoustic foam, resulting in a dry recording environment.
- The Acousti-shield AS22 reduces reflections, echo and attenuates unwanted environmental acoustic interference.
- Innovative foldable design allows for portability and positioning flexibility.
- The Acousti-shield AS22 is supplied with mounting hardware that adapts to most microphones for easy, flexible placement.

ACOUSTI-SHIELD

AS32Flex

Foldable Stand Mounted Acoustic Enclosure

The Acousti-shield AS32Flex was developed as an effective accessory for the home recording professional. When effectively utilized, it can substantially reduce unwanted reflections, echo flutter and unwanted environmental acoustic interference. A trouble-free design results in an easy to use, highly flexible device, while not sacrificing stand mounted stability. The Acousti-shield AS32Flex is constructed from high quality stainless steel and high density micro cell acoustic foam. The Acousti-shield AS32Flex is supplied with mounting hardware to adapt



to most microphones for easy, flexible placement. The Acousti-shield AS32Flex is an essential tool for enhanced performance and a vital accessory for the professional musician.

Features

- The Acousti-shield AS32Flex is constructed from a high quality 16 gauge perforated stainless steel shield mated to 53mm high density micro cell acoustic foam, resulting in a dry recording environment.
- The Acousti-shield AS32Flex reduces reflections, echo and attenuates unwanted environmental acoustic interference.
- An innovative advanced mounting design allows for a maximum positioning stability even when mated to an economy mic stand.
- Designed with a heavy duty adjustable hinge the AS32Flex is ready for custom applications and improves portability.

ACOUSTI-SHIELD

AS32

Stand Mounted Acoustic Enclosure

The Acousti-shield 32 was developed as an effective accessory for the home recording professional. It can reduce unwanted reflections, echo flutter and unwanted environmental acoustic interference. A trouble-free design results in an easy to use, highly flexible device, while not sacrificing stand mounted stability. The AS32 is an essential tool for enhanced performance and a vital accessory for the professional musician.

Features

- The Acousti-shield 32 is constructed from a high quality 16 gauge perforated stainless steel shield mated to 53mm high density micro cell acoustic foam, resulting in a dry recording environment.
- Innovative microphone positioning flexibility accommodates a variety of microphone designs and allows for creative control and a tailored acoustic result.
- The portable design allows for easy studio placement and simplifies remote recording.



LIVE SOUND

HANDHELD

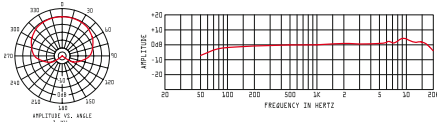


C195 Cardioid Handheld Condenser Microphone

The C195 is a low noise Electret condenser equipped with a Flex-Form hardened steel grille and CAD's I.N.R-3™ Impact Noise Reduction system is a microphone fit for any stage.

Specifications

Operating Principal	Permanently-Biased Condenser
Polar Pattern	Cardioid
Frequency Response	55Hz – 20KHz
Sensitivity	-35dBV (18 mV) @ 1 Pa
Impedance	500 ohms
Max SPL	132dB (pad engaged)
Self Noise	22dBA
Power Requirements	P12, P24, P48, 5 mA

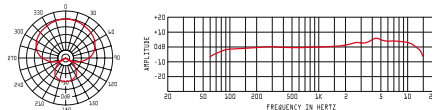


CAD22A Supercardioid Handheld Dynamic Microphone

- Flex-Form hardened steel grille
- On/Off Switch
- 15' XLR to XLR cable included

Specifications

Operating Principal	Moving Coil Dynamic
Polar Pattern	Supercardioid
Frequency Response	60Hz – 15KHz
Sensitivity	-54dBV (2 mV) @ 1 Pa
Impedance	500 ohms

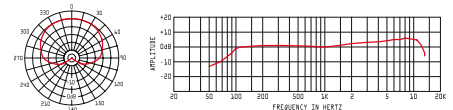


CAD12 Cardioid Handheld Dynamic Microphone

- On/Off Switch

Specifications

Operating Principal	Moving Coil Dynamic
Polar Pattern	Cardioid
Frequency Response	80Hz – 13KHz
Sensitivity	-56dBV (3.2 mV) @ 1 Pa
Impedance	500 ohms





CADLive D88

The CADLive D88 Kick Mic blasts its way to the stage firmly reproducing your kick in true Rock and Roll form and function. Equipped with one of the largest capsules made—Outfitted with a TrueFlex™ diaphragm and powered by a PowerGap™ magnet—The D88 is custom tailored for today's kick drum sound.

- TrueFlex™ diaphragm for articulate response
- PowerGap™ Neodymium magnet for hot signal
- Tailored for today's kick drum sound

Specifications

D88

Pattern	Super Cardioid
Frequency Response	20Hz – 17kHz
Sensitivity	-65dBV (0.56mV) @1Pa
Max SPL	>150dB



D10

Cardioid Dynamic Microphone

Dialed in at the factory for the thump and crack of your kick drum. All metal housing with integrated mic clip. Available in Stage Series Drum Packs.

Specifications

Element	Moving Coil Dynamic
Directional Pattern	Cardioid
Frequency Response	50Hz – 16KHz
Sensitivity	-67dBV (0.45 mV)
Impedance	60 ohms



LIVE SOUND

PERCUSSION



D12

Cardioid Neodymium Dynamic Microphone

The D12 is a cardioid neodymium dynamic microphone specifically designed for bass drum and other low frequency sources. The D12's wide dynamic range and fast transient response produces an open, detailed sound with extra punch when miking kick drums, large percussive instruments and bass guitar amplifiers. All metal housing with integrated mic clip. Available in Stage Series Drum Packs or separately.

Specifications

Operating Principal	Moving Coil Dynamic
Polar Pattern	Cardioid
Frequency Response	25Hz – 12KHz
Sensitivity	-59dBV (.5 mV) @ 1 Pa
Impedance	60 ohms



KBM412

Cardioid Neodymium Dynamic Microphone

The KBM412 is specifically designed for low frequency sources producing extra punch when miking kick drums. Isolation mic clip included.

Specifications

Operating Principal	Moving Coil Dynamic
Polar Pattern	Cardioid
Frequency Response	30Hz – 12KHz
Sensitivity	-66dBV (.5 mV) @ 1 Pa
Impedance	60 ohms

LIVE SOUND

PERCUSSION



STAGE7

7 Piece Drum Mic Pack

Includes three D29 dynamic tom mics, one D19 dynamic snare mic, both with integrated drum clips, one D10 dynamic kick drum mic with clip, and two C9 overhead condensers with clips. Protective carrying case included.



TOURING7

7 Piece Premium Drum Mic Pack

The Touring7 is an assortment of the finest percussion mics CAD offers in one premium drum microphone pack. Includes four TSM411 dynamic tom/snare mics, one D12 dynamic kick drum mic, and two GXL1200BP overhead condensers. The Touring7 comes with clips for all the mics plus four DMC-1 drum mounting clips for your toms and snare. Protective carrying case included.

STAGE4

4 Piece Drum Mic Pack

Includes two D29 dynamic tom mics, one D19 dynamic snare mic, both with integrated drum clips, and one D10 dynamic kick drum mic with clip. Protective carrying case included.



D29

Cardioid Dynamic Microphone

Designed for toms. Integrated drum mount clip for easy setup and adjustment. Sold only in Stage Series Drum Packs.



Specifications	
Element	Moving Coil Dynamic
Directional Pattern	Cardioid
Frequency Response	90Hz – 13KHz
Sensitivity	-53dBV (2.2 mV) @ 1 Pa
Impedance	560 ohms

TSM411

Supercardioid Neodymium Dynamic Microphone

A versatile multi-purpose percussion/instrument microphone, the TSM411 incorporates “dual point” suspension to maximize sonic performance and ensure excellent shock isolation and ballistic stability critical to the successful reproduction of toms, snares, cymbals, congas, and guitar amps. The TSM411 has an open, accurate sound.



Specifications	
Operating Principal	Moving Coil Dynamic
Polar Pattern	Supercardioid
Frequency Response	100Hz + 15KHz
Sensitivity	-56dBV (1.6 mV) @ 1 Pa
Impedance	310 ohms



D19

Supercardioid Dynamic Microphone

Designed for snare drums. Integrated drum mount clip for easy setup and adjustment. Sold only in Stage Series Drum Packs.

Specifications	
Element	Moving Coil Dynamic
Directional Pattern	Supercardioid
Frequency Response	90Hz – 14KHz
Sensitivity	-56dBV (1.6 mV) @ 1 Pa
Impedance	300 ohms

ICM417

Cardioid Condenser Microphone

Ideal for miking cymbals, overheads and stringed instruments, the ICM417 electret condenser produces a natural, transparent sound with exceptional accuracy and detail. The cardioid pattern and transformerless design produces a balanced frequency response across the spectrum with minimal distortion.



Specifications	
Operating Principal	Permanently-Biased Condenser
Polar Pattern	Cardioid
Frequency Response	80Hz – 20KHz
Sensitivity	-28dBV (40 mV) @ 1 Pa
Impedance	480 ohms
Max SPL	120dB
Self Noise	26dBA
Power Requirements	P12, P24, P48, 5mA



C9

Cardioid Condenser Microphone

Designed for drum overheads, high hat, ride cymbal and stringed instruments, the C9 cardioid condenser microphone captures the subtle nuance of acoustic instruments and the presence and attack of cymbals. Available in Stage Series Drum Packs or separately (C9S pair).

Specifications	
Operating Principal	Permanently-Biased Condenser
Polar Pattern	Cardioid
Frequency Response	40Hz – 13KHz
Sensitivity	-41dBV (8.9 mV) @ 1 Pa
Impedance	150 ohms
Max SPL	140dB
Self Noise	27dBA
Power Requirements	P12, P24, P48, 5mA

HEADPHONES



HEADPHONES

CAD Audio continues its heritage of world class studio products with the Sessions™ series of headphones. Matched to complement your needs — Studio, Live or Playback.

Taking advantage of nearly eight decades of audio expertise, the Sessions™ headphones deliver exceptional audio reproduction with the legendary performance, durability and comfort you expect from CAD Audio.

Sessions™

MH510

Studio Headphones

The Sessions™ MH510 is the result of a decade long collaboration of experience and professional audio expertise. Conceptualized and designed for the accomplished performer—Studio, Live or Playback—Get ready to experience your favorite tracks the way the artist intended. The Sessions™ MH 510 produce an articulate frequency response with extended lows, smooth mids and life like highs. Sound Pressure Level capability rivaling a concert experience. Six colors to choose from: Black, White/Red, White/Gold, White/Chrome, Black Chrome and Black/Orange for the look and style your session deserves.

Specifications	
Frequency Response	10Hz – 24,000KHz
SPL	103dB
Max Input	3000mW
Impedance	26 ohms
Driver Size	50mm Neodymium
Cable Length	Straight—10 feet, Coiled—3.5+ feet



Artists using Sessions™ MH510 Headphones

Disashi Lumumba-Kasongo	Karmin with Gym Class Heros
Phil Buckman/Filter	LOU
Bonnaroo Festival	Murray Langston
Eric Nicolau/Bridgit Mendler	OffSpring/Petty Cash
Joss Stone/John "Skins" Godenzi	Motown the Musical
Sharon Aguilar/Cee Lo Green	Steve LaCerra/FOH
Buck Dharma/Blue Oyster Cult	SOJA
Bad Veins	KROK
Dan Aykroyd	Zac Brown Band
3 Doors Down	John Oates/Hall & Oates
Trace Adkins/Jon Coleman	DJ Yella/NWA
Johnny Winter	Circle House Studios
Aux88	Hay Bale Studios
Walk off the Earth	Gov't Mule/Warren Haynes
LAWIM	Eric Clapton Crossroads Festival
Kimberly Thompson/Beyonce	Nick Cooper Studio/Vocal Store LA
House of Blues	Kimberly Phillips/Playmate; Sept '09
Red Hot Chili Peppers/Paul Binder	Jillette Johnson
Supa Dups/Producer Bruno Mars	Luxor/FOH: Carrott Top, Dan O'Leary
Brandon Coleman/Alicia Keys	Cabo Wabo Cantina
Fred Wreck (Nasser)/Snoop Dog, Britney Spears, Hillary Duff	
Jon Garber/FOH: Band Perry, Rascal Flatts, Brad Paisley	

HEADPHONES



HA4 Four Channel Stereo Headphone Amplifier

The HA4 is a compact stereo headphone amplifier featuring four discrete channels with individual volume controls. Exceptional signal-to-noise ratio ensures optimum clarity and offers a transparent reproduction of your session. The HA4 is an essential tool for enhanced listening performance and a vital accessory for the recording musician. Includes power supply and RCA female to 1/4" TRS adaptor.

Specifications	
Frequency Response	10Hz – 26KHz
Sensitivity	101dB @ 1mW
Driver	45mm Neodymium
Maximum Power Rating	2000 mW
Impedance	36 ohms



MH210 Studio Headphones

The CAD Audio MH210W is a closed back, circumaural, precision built studio headphone. The MH210W is equipped with 40mm neodymium drivers offering extended frequency response while delivering powerful sound. Ultra-soft leather earpads outfitted with high-density memory foam provide hours of fatigue free listening comfort. The MH210W is an essential tool for enhanced studio performance and a vital accessory for the professional musician.

Specifications	
Frequency Response	15Hz – 22KHz
Sensitivity	100dB @ 1mW
Driver	45mm Neodymium
Maximum Power Rating	1000 mW
Impedance	38 ohms



MH320 Studio Headphones

The CAD Audio MH320 is a closed back, circumaural, precision built monitor headphone. The MH320 is equipped with 45mm neodymium drivers offering extended frequency response while delivering exception detail and clarity. Crafted from high-grade stainless steel, manganese and aluminum, the MH320 ensures years of durability. Ultra-soft leather earpads outfitted with high density memory foam provide hours of fatigue free listening comfort. The MH320 is an essential tool for enhanced studio performance and a vital accessory for the professional musician.

Specifications	
Frequency Response	20Hz – 50KHz
S/N Ratio	>110dBA
Maximum Input Level	+16dBu
Output Impedance	47 ohms
Output Power	50mW



DH100 Drummer Isolation Headphones

The DH100 is a high output stereo isolation headphone with extended bass frequency response. It is equipped with 50mm neodymium drivers for exceptional detail and clarity. It enables the musician to monitor music or a click track during a recording session or live performance with superior clarity while attenuating ambient noise by 19dB. The DH100 is an essential tool for enhanced performance, rehearsal and recording. One meter cord with 1/4" and 1/8" connectors included.

Specifications	
Frequency Response	10Hz – 20KHz
Sensitivity	105dB @ 1mW
Driver	50mm Neodymium
Maximum Power Rating	500 mW
Ambient Noise Reduction	19dB



MH110 Studio Headphones

The CAD Audio MH110 is a circumaural, precision built monitor headphone. The MH110 is equipped with 50mm neodymium drivers offering extended frequency response while delivering exceptional detail and clarity. Designed with an easy-fold, comfort-fit headband allowing for convenient storage and hours of fatigue-free listening, the MH110 is an essential tool for enhanced studio performance and a vital accessory for the professional musician.

Specifications	
Frequency Response	18Hz – 18KHz
Sensitivity	112 @ 1mW
Driver	50mm Neodymium
Impedance	32 ohms



MH100 Closed-Back Headphones

The CAD Audio MH100 is a closed-back, midsized, precision built headphone. The MH100 is equipped with neodymium drivers offering extended frequency response while delivering detail and clarity. Designed for comfort and isolation the MH100 will outperform expectations. The MH100 is an essential tool for enhanced studio performance and a vital accessory for the professional musician.

Specifications	
Frequency Response	20Hz – 18KHz
Sensitivity	98dB @ 1mW
Driver	40mm Neodymium
Maximum Power Rating	500 mW
Impedance	38 ohms

USB AUDIO

usb

USB AUDIO

CAD Audio continues to lead the industry with compelling USB devices. The USB offering includes mics and audio devices for the professional, traveling, or everyday casual user in any environment. CAD offers a variety of innovative, affordable USB plug and play solutions designed around evolving technology.



USB



usb

GXL2600USB

USB Large Diaphragm Studio Condenser Microphone

The GXL2600USB Large Diaphragm Studio Condenser Microphone features the Aoedein™ 1" large diaphragm capsule that delivers full range studio fidelity and outstanding transient response. The Aoedein™ capsule is then paired with CAD's PureTone™ A/D converter further ensuring an accurate and efficient signal path. The GXL2600USB is supplied with a studio quality shock mount, desk stand and cable.

Specifications	
Principle	Aoedein™ 1" Large Diaphragm USB Condenser
Polar pattern	Cardioid
Frequency Response	20Hz – 20KHz
Sensitivity	-35dB
Equivalent Noise Level	≤15dB (A Weight)
Max SPL	135dB
Connector	USB connector
Windows 8 and Mac Compatible	

usb

ZOE

USB Condenser Microphone with TrakMix™ Headphone Monitoring

Zoe leaps onto the scene of your usb creative endeavors with style and expression. Aggressively reproducing audio with finesse and custom flair—Zoe debuts with the TrakMix™ chip that delivers precision headphone monitoring. Express your creative edge with Zoe.

Specifications	
Principle	Condenser USB with TrakMix™ Headphone Output
Pattern	Unidirectional
Frequency Response Mic	50Hz – 16KHz
Sampling and bit rate	48kHz 16 bit
Headphone Frequency Response	20 – 20kHz
Headphone Output	300mW
Windows 8 and Mac Compatible	



usb

U39

USB Condenser Microphone with TrakMix™ Headphone Monitoring

The U39 establishes itself as a studio workhorse capable of true studio reproduction, outfitted with TrakMix™ headphone monitoring and a professional, robust, all metal, construction. Borrowing its look from the popular U37—The U39 can deliver for those appreciating a professional microphone design paired with usb technology. Unlock your creative edge and experience expression thru innovation.

Specifications	
Principle	Condenser USB with TrakMix™ Headphone Output
Pattern	Unidirectional
Frequency Response Mic	40 – 18 kHz
Sampling and Bit Rate	48kHz 16 bit
Headphone Frequency Response	20Hz – 20KHz
Headphone Output	300mW
Windows 8 and Mac Compatible	



usb

U37

**USB Cardioid Condenser
Studio Recording Microphone**

Record directly to your computer using this large condenser microphone with USB output. Smooth, extended frequency response is excellent for singing, speech and instrument recording. -10dB overload-protection switch minimizes distortion from loud sound sources. Bass reduction switch reduces room noise.

Tripod stand and USB cable included. Use the U37 for podcasting, audio for video or recording to your favorite audio editing software. PC and Mac compatible.

CAMOUFLAGE
U37SE-C

**ORANGE
AND BLACK**
U37SE-OR

**CANDY APPLE
RED**
U37SE-CA

GRAY
U37SE-G

RED AND WHITE
U37SE-RW

WHITE
U37SE-W





usb

U1

USB Cardioid Dynamic Microphone

Record directly to your computer with this easy to use cardioid dynamic handheld microphone with USB output. On/off switch for quickly muting the microphone. Tripod stand and USB cable included. Use the U1 for podcasting, audio for video or recording to your favorite audio editing software. PC and Mac compatible.



usb

U7

USB Omnidirectional Condenser Tabletop Recording Microphone

Plug into your computer and start recording. Designed for home and office use with a frequency response tailored for speech. Excellent for laptops. Dictate meeting notes. Add audio to slide presentations. Great for legal records. 10' USB cable included. PC and Mac compatible.



usb

U2

USB Stereo Headphones with Cardioid Condenser Microphone

Use the U2 for VoIP, language labs, gaming, podcasting or personal audio playback. Condenser microphone is mounted on a flexible gooseneck boom for easy positioning. Headphone transducers provide clean, accurate sound reproduction needed for today's digital audio sources. Headphones are light weight and can be easily cleaned with a light alcohol based cleaner. USB cable and foam windscreen is included. PC and Mac compatible.



usb

U9

USB Cardioid Condenser MiniMic

The U9 USB MiniMic is a compact microphone solution for recording on the go. It features a low-profile compact design and a 3.5mm (1/8") headphone jack for playback. The 180 degree swivel and cardioid capsule allows precise placement and maximum sound quality while Podcasting, Skyping, VoIP or recording music. The power LED indicator when the mic is on and operational.

ASTATIC COMMERCIAL



ASTATIC

ASTATIC COMMERCIAL

The Astatic Commercial Series continues to offer unique products for the AV Systems Integrator, Sound Contractor, Design Consultants, and Engineers. Astatic Commercial products feature industrial grade ruggedness, durability and reliability. This series is designed for years of dependable operation in higher education, government, house of worship and corporate AV applications. Features such as Variable Pattern Control, RF Resistant Architecture, Logic Compatibility, and external contact closures are only a few of the integrator friendly features found in the Astatic Commercial series.



2600VP / 2700VP / 2800VP / 2220VP

Continuously Variable Pattern Condenser Microphone System with Remote Polar Control through a Digital Signal Processor

The 2600VP / 2700VP / 2800VP / 2220VP is a continuously variable pattern condenser microphone system with remote polar control through a Digital Signal Processor. The variable polar pattern with remote control allows the user to precisely adjust the shape of the pick-up pattern for best performance from within a DSP. Utilizing a two-conductor shielded cable (max length 2,000 feet) between the microphone head and the DSP unit, the polar pattern of the microphone can be adjusted in real time without changing capsules, microphone positions, or inducing noise in the audio chain. Refer to the specific DSP instructions provided by CAD Audio for the units being used.

Special attention has been given to the frequency response and sensitivity of the microphone system while utilizing the variable pattern control to precisely alter the shape of the pick-up pattern. The VP systems are designed to resist interference from devices such as cell phones, two-way communication devices and lighting apparatus. Utilizing our RF Resistant Architecture, our VP products meet the stringent RF standards set by the European Union (see the specification section of each microphone for more information).

Choose the 2600VP when a suspended system is required. System includes a counter poise string, exclusive articulating steel hanger, anti-twist thread and rods, 30' of cable, and 24" XLR-F to Phoenix-type connector.

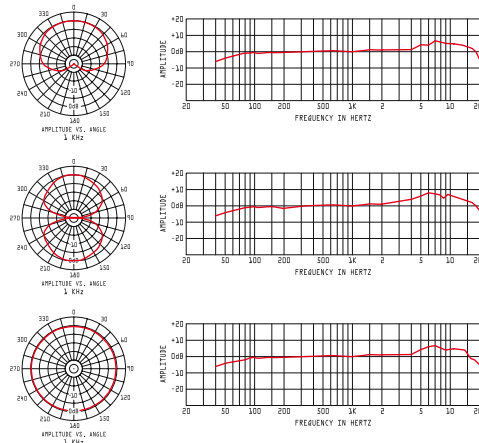
Choose the 2700VP when a floor stand version is needed. System includes the MB-1; a feather light 56" boom and exclusive Clutch Rotation System, this boom can be mounted on any standard microphone tripod or base stand. Also, includes 24" XLR-F to Phoenix-type connector.

Choose the 2800VP when a podium version is required. System includes the MB-18; an 18" miniature dual-flex gooseneck with TA3F-type and XLRM-type connectors. The system also includes 24" XLR-F to Phoenix-type connector.

Choose the 2220VP / 2220VPW when an installed boundary style microphone is needed. System includes 220VP boundary microphone with mounting hardware and rubber bushings. The system also includes 24" XLR-F to Phoenix-type connector. Specify "W" for white unit.

Specifications

Operating Principal	Permanently-Biased Condenser
Polar Pattern	Continuously Variable
Frequency Response	40Hz – 20KHz
Sensitivity	-29dBV (35 mV) @ 1 Pa
Impedance	135 ohms
Max SPL	110dB
Self Noise	22dBA
Power Requirements	P12, P24, P48, 4 mA





1600VP / 1700VP / 1800VP

Continuously Variable Pattern Condenser Microphone System with Remote Polar Control

The 1600VP is a continuously variable pattern condenser microphone system with remote polar control. The variable polar pattern with remote control allows the user to precisely adjust the shape of the pick-up pattern for best performance from a remote location. Utilizing a two-conductor shielded cable (max length 2,000 feet) between the microphone head and the pattern-control box, the user can adjust the polar pattern in real time without changing capsules, microphone positions, or inducing noise in the audio chain.

Special attention has been given to the frequency response and sensitivity of the microphone while utilizing the variable pattern control to precisely alter the shape of the pick-up pattern. The large-diameter, low-noise elements produce a frequency response of 40Hz to 20KHz with a selectable, recessed 80Hz, 12dB/octave high-pass filter that removes unwanted low-frequency energy when engaged. The filter control is conveniently located on the control box. The microphone head is made of commercial grade aluminum, the control box is made of hardened steel, both are powder coated and made in the USA. The microphone head is painted matte black for an unobtrusive yet stylish appearance.

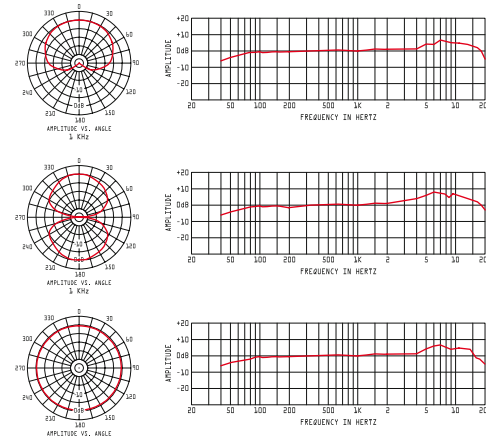
The remote polar-pattern control box can be mounted in a single rack unit shelf with optional accessories. Up to six control boxes can be mounted in one rack unit—Astatic RU1. The polar-pattern dial is positioned for easy adjustment “on the fly” and can be secured with a single “Flat Style” blank panel when rack mounted.

Choose the 1600VP when a suspended system is required. Featuring an exclusive anti-rotational mount, 30' of cable, XLR-F wall plate and counter poise string.

Choose the 1700VP when a floor stand version is needed. Featuring a feather light 56" boom and exclusive Clutch Rotation System, this boom can be mounted on any standard microphone tripod or base stand.

Choose the 1800VP when a podium version is required. Featuring an 18" miniature gooseneck with TA3F and XLRM.

Specifications	
Operating Principal	Permanently-Biased Condenser
Polar Pattern	Continuously Variable
Frequency Response	40Hz – 20KHz
Sensitivity	-29dBV (35 mV) @ 1 Pa
Impedance	135 ohms
Max SPL	110dB
Self Noise	22dBA
Hi-Pass	Selectable 80Hz, 12dB/oct
Power Requirements	P12, P24, P48, 4 mA



BOUNDARY

ASTATIC COMMERCIAL



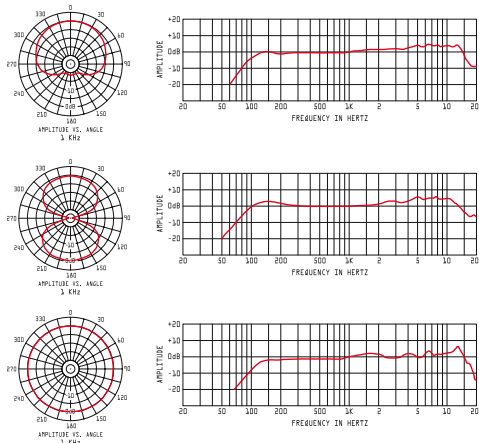
930VPL

Continuously Variable Polar Pattern Condenser Desktop Boundary Microphone

Now one boundary mic can suit almost any challenge when tasked to perform on altars, conference tables and stage floors or in media production. Because the Astatic 930VPL has variable pick-up pattern selection it can shorten the list of products an audio system designer requires when boundary mics are specified. From omni-directional to cardioid, hypercardioid, figure-of-eight and all tight or wide directional pick-up patterns in between, an installer or designer can precisely tailor the mic's pick-up pattern for the best performance depending on the application or environment. Selectable power-up on or power-up muted modes using dip switches. Features the RF Resistant Architecture, programmable feather touch membrane with LED, contact closure in and out interface, and a bottom exit cable option.

Specifications

Operating Principal	Permanently-Biased Condenser
Polar Pattern	Continuously Variable
Frequency Response	90Hz – 17KHz
Sensitivity	-32dBV (25 mV) @ 1 Pa
Impedance	120 ohms
Max SPL	120dB
Self Noise	29dBA
Power Requirements	P12, P24, P48, 4mA



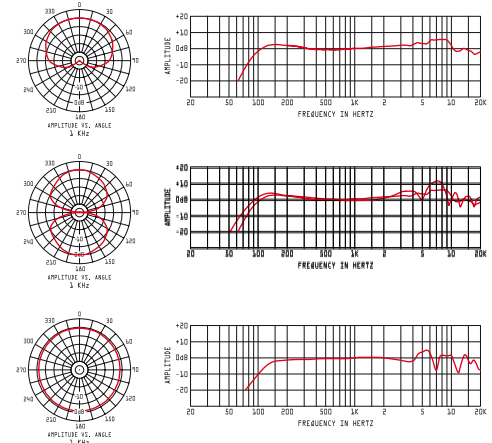
901VP

Continuously Variable Polar Pattern Desktop Boundary Condenser Microphone

Portable or mounted boundary mic for use on conference tables or stage floors. Featuring an all metal body and rugged rubber bottom make this a commercial grade boundary microphone. Improved RF immunity to greatly reduce susceptibility to radio interference from GSM based cell phones, PDA/cell phones and other similar devices. 30' cable, zippered pouch and mounting screws included.

Specifications

Operating Principal	Permanently-Biased Condenser
Polar Pattern	Continuously Variable
Frequency Response	100Hz – 20KHz
Sensitivity	-33dBV (22.4 mV) @ 1 Pa
Impedance	150 ohms
Max SPL	120dB, 1% THD, 1KHz
Self Noise	22dBA
Power Requirements	P12, P24, P48, 4mA





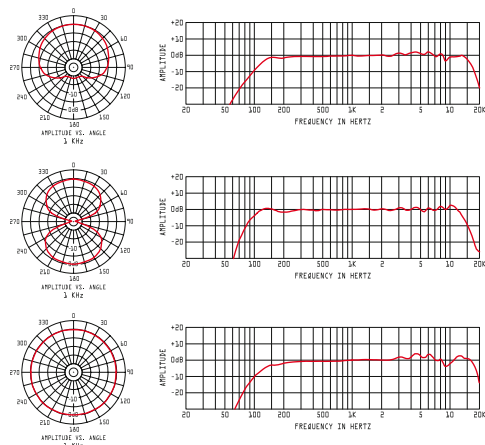
220VP

Continuously Variable Polar Pattern Condenser Boundary Microphone

Miniature installation, continuously variable polar pattern, button-style, condenser boundary microphone designed for surface installation. Special attention has been given to design the 220VP to resist interference from cell phones, two-way communication, and other RF devices. The integral 80Hz, 12dB/octave high-pass filter removes unwanted low-frequency energy to improve intelligibility. The all metal, threaded body and shock-absorbing bushings make for easy installation in surfaces up to 3" thick. For remote polar control add the VPC-1 or a compatible DSP. Available in black or white (add "W" to the model number for white).

Specifications

Operating Principal	Permanently-Biased Condenser
Polar Pattern	Continuously Variable
Frequency Response	90Hz – 17KHz
Sensitivity	-32dBV (25 mV) @ 1 Pa
Impedance	125 ohms
Max SPL	120dB
Self Noise	24dBA
Power Requirements	P12, P24, P48, 4mA



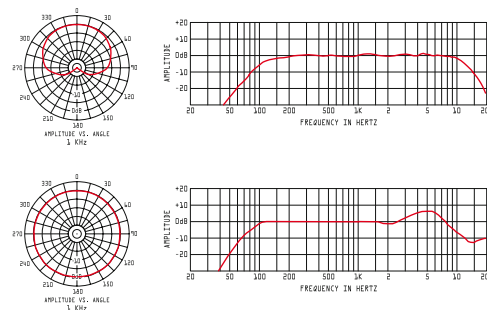
201R / 202RW

RF Resistant Mini-Boundary Condenser Microphone

Miniature installation button style condenser boundary mics for use in teleconferencing or voice lift sound reinforcement. Other applications include surveillance, ambient recording or audio observation. Improved RF immunity to greatly reduce susceptibility to radio interference from cell phones, PDA or similar two-way communication devices. Available in omnidirectional in white (202RW) or cardioid in black (201R). Metal nut/washer hardware supplied.

Specifications

Operating Principal	Permanently-Biased Condenser
Polar Pattern	Cardioid, Omnidirectional
Frequency Response	90Hz – 17KHz
Sensitivity	-32dBV (25 mV) @ 1 Pa
Impedance	150 ohms
Max SPL	129dB
Self Noise	29dBA
Power Requirements	P12, P24, P48, 2.4mA



CONDENSER

ASTATIC COMMERCIAL



210

Omnidirectional Condenser Button Style Microphone with Adjustable Line-Level Output and Integrated Audio Limiter

The Astatic 210 is a miniature-boundary microphone designed for installation in security, ambient monitoring and observation applications. The output level is variable from -30dBV (32mV) to +8dBV (2.5V) @ 1 Pa which is designed to interface with security cameras, digital video recorders and other observation and recording devices.

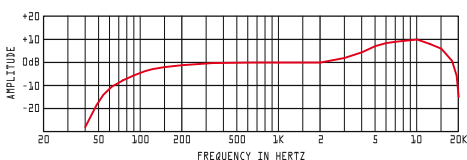
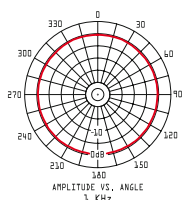
Astatic's internal audio limiter circuitry tames high sound pressure levels and improves intelligibility by protecting the audio signal from distorting sensitive recording circuitry in cameras and digital recorders. The integrated volume control is located on the side of the microphone and is protected from tampering when the microphone is installed. The integrated 180Hz, 6dB/oct high-pass filter attenuates unwanted low frequency energy.

9 to 24 VDC (70mA) is required to power the microphone (not supplied). The connection is made through a removable phoenix style connector on the opposite end of the microphone. The connector accepts DC power and outputs an unbalanced, amplified signal.

The Astatic 210 housing is all-metal, designed for commercial applications. The threaded housing makes for easy installation into ceilings, walls, tables and other surfaces. Rubber isolation bushings and metal nut/washer hardware are also provided.

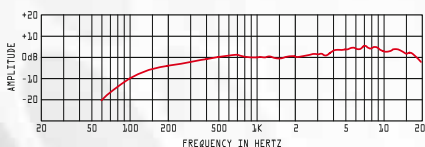
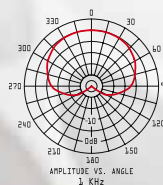
Specifications

Operating Principal	Permanently-Biased Condenser
Polar Pattern	Omnidirectional
Frequency Response	120Hz – 18KHz
Sensitivity	-30dBV (32mV) to +8dBV (2.5V) @ 1 Pa
Impedance	50 ohms
Max SPL	110dB
Self Noise	22dBA
Power Requirements	9 to 24 VDC, 70mA



Specifications

Operating Principal	Permanently-Biased Condenser
Polar Pattern	Cardioid
Frequency Response	150Hz – 20KHz
Sensitivity	-32dBV (25 mV) @ 1 Pa
Impedance	440 ohms
Max SPL	132dB
Self Noise	26dBA
Power Requirements	P12, P24, P48, 5mA



900

Cardioid Overhead Condenser Microphone

Miniature overhead cardioid condenser mics for speech, vocal and choral pickup. May be used for installation over choirs, in classrooms, conferencing and in meeting rooms. 30' of cable is permanently attached to the flex gooseneck for easy positioning and adjustments when suspended. Available in black or white (add "W" to the model number for white version).

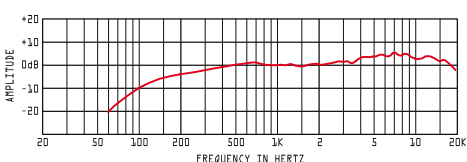
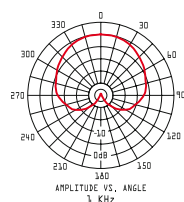


915B / 920B Cardioid Mini Condenser Gooseneck Microphone

Dual-flex point, quick-mount cardioid gooseneck condenser mics for speech and vocal pickup. May be used for lectern, courtrooms, conference rooms and house of worship applications. 15" (915B) and 20" (920B) lengths available.

Specifications

Operating Principal	Permanently-Biased Condenser
Polar Pattern	Cardioid
Frequency Response	150Hz – 20KHz
Sensitivity	-32dBV (25 mV) @ 1 Pa
Impedance	440 ohms
Max SPL	132dB
Self Noise	26dBA
Power Requirements	P12, P24, P48, 5mA



905R Line-Cardioid Mini Condenser Gooseneck Microphone

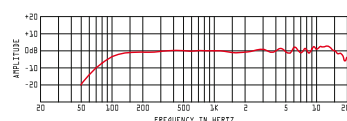
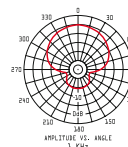
The line-cardioid, quick-mount, miniature gooseneck condenser microphone is designed for speech and vocal pick-up. The line-cardioid polar pattern is engineered to attenuate unwanted sources outside of the +/- 45 degree acceptance angle while effectively utilizing the Supersensitive™ technology to "zero-in" on the desired speaker. The 905R is appropriate for applications such as boardrooms, courtrooms, house of worship and anywhere a gooseneck microphone with optimal distance pick-up is needed. Matte black finish with an overall length of 11". Windscreen and FM-2A XLR-F mount included.

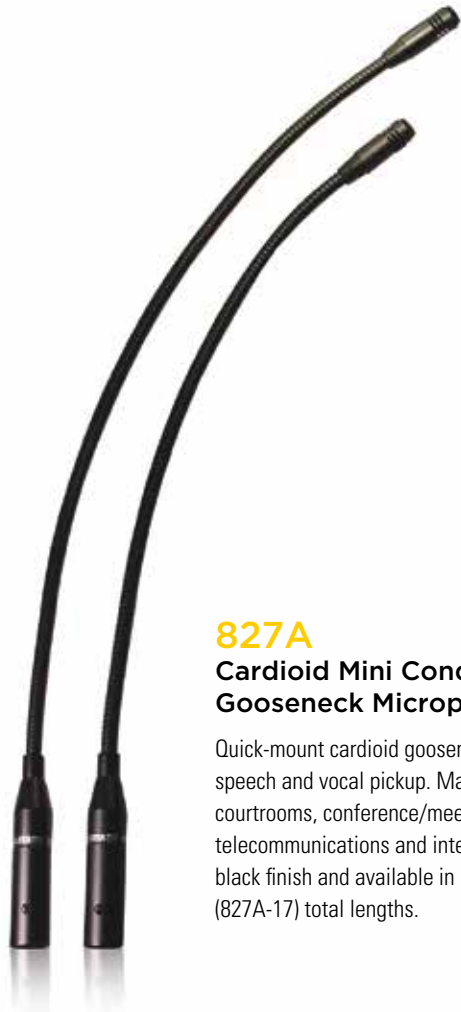
Specifications

Operating Principal	Permanently-Biased Condenser
Polar Pattern	Line-Cardioid
Frequency Response	70Hz – 18KHz
Sensitivity	-15dBV (0.18 Vrms) @ 1 Pa
Impedance	150 ohms
Max SPL	111dB
Self Noise	18dBA
Power Requirements	P12, P24, P48, 2mA

SuperSensitive™

RF
Resistant
Architecture™



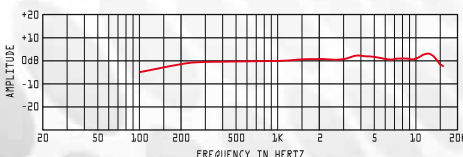
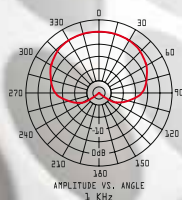


827A Cardioid Mini Condenser Gooseneck Microphone

Quick-mount cardioid gooseneck condenser mics for speech and vocal pickup. May be used for lectern, courtrooms, conference/meeting rooms, paging, telecommunications and intercom systems. Matte black finish and available in 17" (827A-13) and 22" (827A-17) total lengths.

Specifications

Operating Principal	Permanently-Biased Condenser
Polar Pattern	Cardioid
Frequency Response	100Hz – 16KHz
Sensitivity	-50dBV (3.2 mV) @ 1 Pa
Impedance	350 ohms
Max SPL	120dB
Self Noise	30dBA
Power Requirements	P12, P24, P48, 5mA

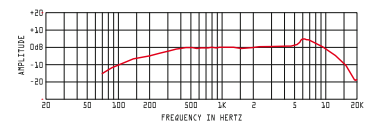
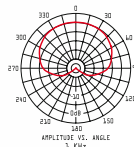


727-18 Cardioid Mini Dynamic Gooseneck Microphone

Special attention has been taken to ensure this microphone has high sensitivity while providing the durability and dependability associated with traditional dynamic microphones. The smooth frequency response with articulation emphasis makes this microphone suitable for speech applications on podiums, desks, audio and equipment consoles. Matte black finish with an overall length of 18".

Specifications

Operating Principal	Moving Coil Dynamic
Polar Pattern	Cardioid
Frequency Response	200Hz – 16KHz
Sensitivity	-56 (1.6 mV) @ 1 Pa
Impedance	600 ohms





AMC105

Omnidirectional Dynamic Heavy-Duty Microphone with Push-to-Talk Switch

For fixed paging applications such as fast-food restaurants, supermarkets, gas stations, busing and transportation, commercial facilities and dispatch. Omnidirectional for "forgiving" pick-up of users that may not be "focused on" or "committed to" the mic. Long lasting push-to-talk switch with external contact closure. Dual zone available as the AMC105-2-19 featuring two DPDT sealed micro switches with color coded buttons for easy identification, permits paging in two areas, and an all-call feature is obtained by depressing both buttons simultaneously. 19" heavy-duty chrome plated gooseneck and 2 3/4" flange included. 6' cable terminates with stripped and tinned ends.

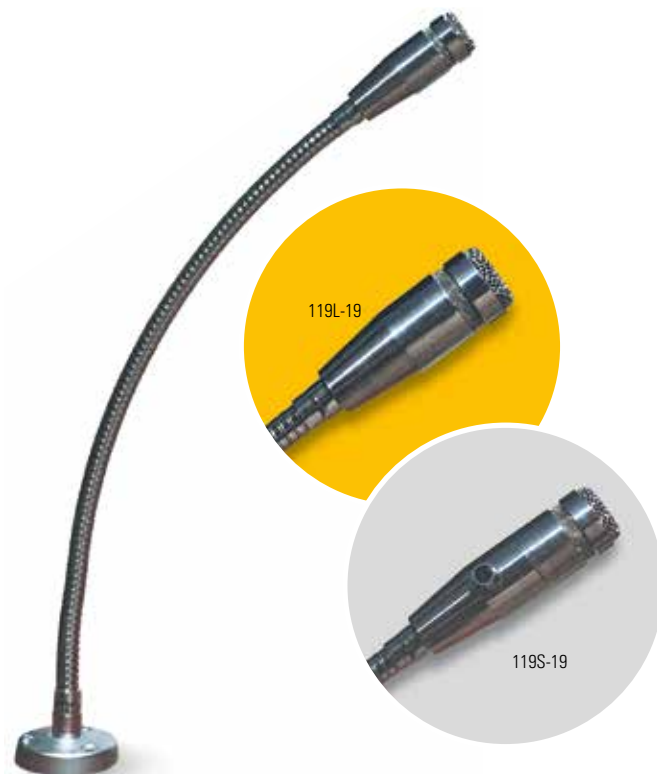
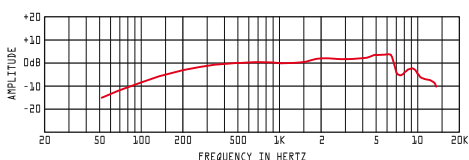
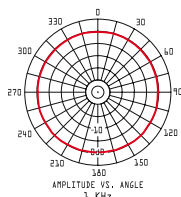
AMC105SNO-19: Single Zone 19" Heavy-Duty Gooseneck and Flange

AMC105-0074: Single Zone 19" Heavy-Duty Gooseneck and Flange Separated

AMC105-2-19: Dual Zone 19" Heavy-Duty Gooseneck and Flange

Specifications

Operating Principal	Moving Coil Dynamic
Polar Pattern	Omnidirectional
Frequency Response	150Hz – 10KHz
Sensitivity	-56dBV (1.6 mV) @ 1 Pa
Impedance	550 ohms



119L / 119S

Cardioid Dynamic Heavy-Duty Microphone

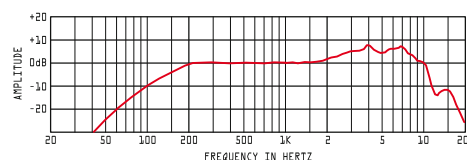
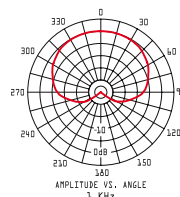
For fixed paging applications such as fast-food restaurants, supermarkets, gas stations, busing and transportation, commercial facilities and dispatch. Cardioid directional pick-up for maximum rejection of feedback or unwanted ambient noise. Should require up-close, focused attention by user. Switched version available with long lasting switch and external contact closure. 19" heavy-duty chrome plated gooseneck and 2 3/4" flange included. 6' cable terminates with stripped and tinned ends.

119L-19: No Switch 19" Heavy-Duty Gooseneck and Flange

119S-19: Single Switch 19" Heavy-Duty Gooseneck and Flange

Specifications

Operating Principal	Moving Coil Dynamic
Polar Pattern	Cardioid
Frequency Response	120Hz – 12KHz
Sensitivity	-57dBV (1.6 mV) @ 1 Pa
Impedance	600 ohms



DYNAMIC PAGING

ASTATIC COMMERCIAL



611L / 631L

Palm Held Dynamic Microphone with Push-to-Talk Switch

The palm held microphone series is designed for sound installations. The frequency response, especially tailored for voice communications, provides a crisp, clear, highly intelligible sound. The ergonomic teardrop housing is tough and the transducer resists atmospheric extremes. The palm held series have low-impedance output and is factory wired normally open. High-cycle DPDT switch mutes the microphone and produces an external contact closure. 6' heavy-duty coiled cord is stripped and tinned.

611L: Omnidirectional Dynamic

631L: Noise Cancelling Dynamic

611L: Specifications

Operating Principal	Moving Coil Dynamic
Polar Pattern	Omnidirectional
Frequency Response	200Hz – 6500Hz
Sensitivity	-58dBV (1.6 mV) @ 1 Pa
Impedance	360 ohms

631L: Specifications

Operating Principal	Moving Coil Dynamic
Polar Pattern	Noise Cancelling
Frequency Response	200Hz – 5500Hz
Sensitivity	-62dBV (.8 mV) @ 1 Pa
Impedance	180 ohms



878HL-2

Omnidirectional Desktop Dynamic with Push-to-Talk or Lift-to-Talk Microphone

The 878HL-2 is designed for fixed or temporary paging applications. The frequency response is broad with a gentle rise in the high midrange for speech intelligibility. 6' cable provided with stripped and tinned ends.

Specifications

Operating Principal	Moving Coil Dynamic
Polar Pattern	Omnidirectional
Frequency Response	80Hz – 12KHz
Hi-Z Sensitivity	-43dBV (7.2 mV) @ 1 Pa
Impedance	40K ohms
Lo-Z Impedance	400 ohms
Sensitivity	-60dBV (1 mV) @ 1 Pa



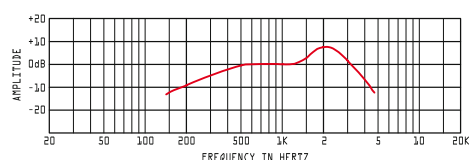
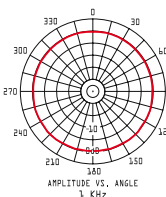
WM-625 / WM625S / WM1000

Omnidirectional Wall Mount Dynamic Microphone

For intercom and P.A., the WM625 and WM625S are designed especially for mounting to wall outlet boxes. The WM625S has a simple push-to-operate DPDT snap-action switch. The WM1000 resists extremes in temperature and humidity found in outdoor environments. High impedance output with 1/4" connector.

Specifications

Operating Principal	Moving Coil Dynamic
Polar Pattern	Omnidirectional
Frequency Response	300Hz – 4KHz
Sensitivity	-42dBV (7.9 mV) @ 1 Pa / -38dBV
Impedance	500 ohms / 2500 ohms



GOOSENECK ACCESSORIES

GSM-1

Lectern/Podium shock mount for mini-gooseneck mic. Switchcraft™ XLR-F 3-pin insert with 6' stripped and tinned cable.



FM-2A

XLR-F Connector on 1 3/4" diameter mounting flange with locking ring.



FM-1A

Flange mount and XLR adapter kit for mini gooseneck mic.



40-116 Shock Mounted Push-to-talk Base

no phantom power required.



40-117 Shock Mounted Push-to-talk Base

Active LED, phantom power required.

40-118 Shock Mounted Latching Push-to-talk Base

Selectable momentary or latching, phantom power required.

40-119 Shock Mounted no mute

3-pin XLR in and 5-pin XLR output for dry contact closure, no phantom power required.

WINDSCREENS

EPF-15A

Pop Filter with 6" diameter screen on 15" gooseneck.



WALL PLATES



40-347

Wall Plate with single female 3-pin panel XLR type connector. Single duplex style stainless steel wall plate with mounting screws.

40-348

Same as the 40-347 with dual female 3-pin panel XLR type connectors.

AUDIO CABLES



40-354

30' Cable terminated with 3-pin XLRM and TA3F.



40-360

24' Cable terminated with 3-pin XLRF and Phoenix-type plug.

CONTROL BOXES AND RACK SHELF



VPC-1

Remote Variable Pattern Control Box for microphones with Variable Pattern Control. VPC-1 is rack mountable with the RU-1 up to 6 units per shelf.



RU-1

19" Rack Mount Shelf for the VPC-1 control box. Up to six VPC-1 units can be mounted in the RU-1. Mounting hardware included.

STANDS



MB-1

56" Miniature Choir Boom with TA3F and TA3M for use with the 1600VP microphone system.



MB-18

18" Miniature Gooseneck with TA3F and XLRM for use with the 1600VP microphone system.



TBS-2

Floor Stand 33" to 66" adjustable matte black post and 10" matte black base, 8.5 lbs.



40-107

Desk Stand with a 9" to 13" matte black post and 6" matte black base, 3 lbs.



40-105

Desk Stand with a 4" matte black stem and 6" matte black base, 2.5 lbs.

SHOCK MOUNTS



DMC1

Rim mounted drum mic clip.



MZM-5

Elastic Suspension Shock Mount for M177, M179, and M9.



GZM-6

Elastic Suspension Shock Mount for the GXL3000, GXL2400 and GXL2200.



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