BROADCAST & PRODUCTION

MICROPHONES

A SELECTION OF **SHOTGUNS, LAVALIERS,**

HANDHELDS AND OTHER HIGH-PERFORMANCE TOOLS

FOR AUDIO PROFESSIONALS

audio-technica®

always listening™

INTELLIGIBLE. DURABLE. INNOVATIVE.

Audio-Technica's versatile Broadcast & Production Microphones set standards for clear, intelligible audio reproduction at major broadcast studios and field production sites around the world. These high-performance microphones are the choice of news crews, videographers, filmmakers and university film/TV departments worldwide.

A-T mics are chosen for critical broadcasts from the U.S. House of Representatives and Senate. In presidential debates since 1988, Audio-Technica has provided seamless audio coverage and technical support. A-T microphones dominate the GRAMMY® Awards and the Rock & Roll Hall of Fame induction ceremonies. Audio-Technica mics also set performance standards for the Super Bowl, World Cup Soccer, the Commonwealth Games, and other high-profile sports broadcasts.

Distinguished by Audio-Technica's innovative transducer designs, Broadcast & Production Microphones feature elegant styling and durable construction. They are ideal for a broad range of entertainment, commercial and industrial applications, including TV/film/radio broadcast, AV presentations and theater sound reinforcement.

PIONEERING TECHNOLOGY

State-of-the-art design and manufacturing techniques combine with engineering advances and price/performance breakthroughs to further distinguish Audio-Technica's Broadcast & Production Microphones.

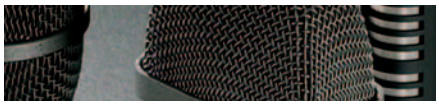
The **AT4071a** and **AT4073a** shotgun mics are a case in point. Engineered for long-distance pickup in broadcasting and film/TV production, these microphones feature an Audio-Technica exclusive patented *acoustic design that provides the same directivity as mics up to 50 percent longer.

Internal matrixing innovations in Audio-Technica's MS stereo shotgun microphones, the models **AT835ST** and **AT815ST**, allow for professional quality stereo audio with or without an external matrix. These stereo mics are a direct result of leading-edge design that was initially developed to meet the specific demands of broadcasting the Sydney Games in 2000.

Audio-Technica Broadcast & Production mics are targeted for every film, TV and radio production need, from ENG and EFP to soundstages, narration and more.

In the studio or in the field, on stage or on the set, choose Broadcast & Production Microphones from Audio-Technica, the pioneer in high-performance transducer design.

*** U.S. Patent No. 4,789,044**



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audio-technica AT815ST
audio-technica AT8955T

SHOTGUN MICROPHONES
CLARITY & VOLUME AT A DISTANCE

Broadcast & Production Shotgun Microphones offer crisp, clear, intelligible speech reproduction for critical long-distance pickup in broadcasting, film/TV/video production, professional recording and theater sound reinforcement applications.

They are engineered to pick up dialogue and sound effects at a distance, while bypassing ambient noise such as traffic, air-handling systems, room reverberation and mechanically coupled vibrations. With their smooth, natural-sounding audio quality, these highly directional microphones are also ideal for wildlife recording.

Unique Interference Tube Design

Audio-Technica has pioneered a unique interference tube design* in the **AT4071a** and **AT4073a** shotgun mics that provides the same directivity as mics up to 50 percent longer. ***U.S. Patent No. 4,789,044**

AT4071a
Line + Gradient Condenser Microphone

DIRECTIVITY EQUAL TO MICS UP TO 50% LONGER

The **AT4071a** has been specially created to meet the critical long-distance pickup demands of broadcasting, film/TV sound, professional recording and theater sound reinforcement. It is particularly useful for miking dynamic action in film/TV audio as well as in "spot" miking techniques in the music studio or theater. The mic provides extremely high output and a low noise floor. It may be used with confidence in distant miking applications and even under the stringent demands of modern digital recording systems.

AT4073a
Line + Gradient Condenser Microphone

HIGHLY DIRECTIONAL SMALL, LIGHTWEIGHT MIC

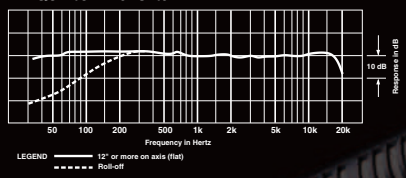
The **AT4073a** sets new standards in small size and light weight. With an overall length of just 9.13" and weight of just 4.0 oz, the mic adds virtually no heft to the end of a fish pole or the top of a minicam. Through the use of an advanced, propriety Audio-Technica design, the interference tube of the **AT4073a** provides a narrow acceptance angle that would require a tube 50 percent longer using conventional technology.

AT4071a
Line + Gradient
Condenser Microphone

AT4073a
Line + Gradient
Condenser Microphone

SPECIFICATIONS†	AT4071a	AT4073a
ELEMENT	Externally polarized (DC bias) condenser	Externally polarized (DC bias) condenser
POLAR PATTERN	Line + gradient	Line + gradient
FREQUENCY RESPONSE	30-20,000 Hz	30-20,000 Hz
LOW FREQUENCY ROLL-OFF	150 Hz, 12 dB/octave	150 Hz, 12 dB/octave
OPEN CIRCUIT SENSITIVITY[2]	–21 dB (89.1 mV) re 1V at 1 Pa*	–23 dB (70.8 mV) re 1V at 1 Pa*
IMPEDANCE	100 ohms	100 ohms
MAXIMUM INPUT SOUND LEVEL	124 dB SPL, 1 kHz at 1% T.H.D.	126 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (TYPICAL)	112 dB, 1 kHz at Max SPL	112 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO[1]	82 dB, 1 kHz at 1 Pa*	80 dB, 1 kHz at 1 Pa*
PHANTOM POWER REQUIREMENTS	11-52V DC, 3.2 mA typical	11-52V DC, 3.2 mA typical
SWITCH	Flat, roll-off	Flat, roll-off
WEIGHT (LESS ACCESSORIES)	5.5 oz (155 g)	4.0 oz (114 g)
DIMENSIONS	15.55" (395.0 mm) long, 0.83" (21.0 mm) body diameter	9.13" (232.0 mm) long, 0.83" (21.0 mm) body diameter
ACCESSORIES FURNISHED	AT8405a stand clamp for 5/8"-27 threaded stands; AT8135 windscreen; protective carrying case	AT8405a stand clamp for 5/8"-27 threaded stands; windscreen; protective carrying case

FREQUENCY RESPONSE



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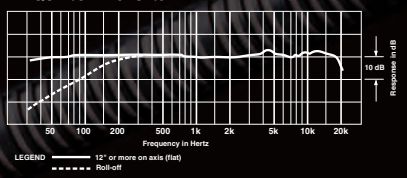
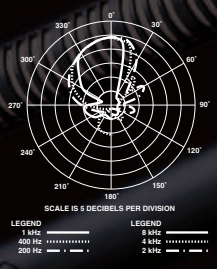


POLAR PATTERN



POLAR PATTERN

AT897
Line + Gradient
Condenser Microphone

SHOTGUN MICROPHONES
with the versatility of **battery/phantom** power

AT897
Line + Gradient Condenser Microphone

SHORT SHOTGUN — SIZED TO STAY OUT OF THE FRAME

Audio-Technica's **AT897** is designed for field audio acquisition in film/TV/video production, professional recording, and broadcast applications. It mounts conveniently on a DV camcorder without adding noticeable heft, and remains out of the frame even with compact digital cameras. This battery/phantom-powered short shotgun offers outstanding long-distance audio pickup due to the narrow acceptance angle of the line + gradient design. It also features smooth, natural-sounding on-axis audio quality and excellent off-axis rejection of sound arriving from the sides and rear of mic.

AT815b
Line + Gradient Condenser Microphone

FULL SHOTGUN — OUTSTANDING OFF-AXIS REJECTION

Designed for video production and broadcast (ENG/EFP) audio acquisition, the **AT815b** provides the narrow acceptance angle desirable for long-distance sound pickup, along with excellent sound rejection from the sides and rear of mic. The roll-off position reduces the pickup of low-frequency ambient noise (such as traffic, air-handling systems, etc.), room reverberation and mechanically coupled vibrations. It also offers the convenience of battery/phantom power.

AT835b
Line + Gradient Condenser Microphone

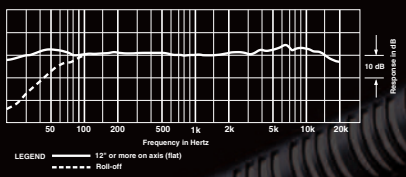
SUITED FOR BOTH BOOM AND HANDHELD USE

The length of the **AT835b** line+gradient condenser microphone is well-suited for ENG, outdoor recording and other specialized uses. The microphone is designed for video production and broadcast (ENG/EFP) audio acquisition. It provides the narrow acceptance angle desirable for long-distance sound pickup, featuring excellent sound rejection from the sides and rear of mic and switchable low-frequency roll-off. It operates on battery or phantom power.

SPECIFICATIONS† AT897

ELEMENT		Fixed-charge back plate permanently polarized condenser
POLAR PATTERN		Line + gradient
FREQUENCY RESPONSE		20-20,000 Hz
LOW FREQUENCY ROLL-OFF		80 Hz, 12 dB/octave
OPEN CIRCUIT SENSITIVITY	PHANTOM BATTERY	–40 dB (10.0 mV) re 1V at 1 Pa* –41 dB (8.9 mV) re 1V at 1 Pa*
IMPEDANCE	PHANTOM BATTERY	200 ohms 300 ohms
MAXIMUM INPUT SOUND LEVEL	PHANTOM BATTERY	129 dB SPL, 1 kHz at 1% T.H.D. 115 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (TYPICAL)	PHANTOM BATTERY	112 dB, 1 kHz at Max SPL 98 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO†		77 dB, 1 kHz at 1 Pa*
SWITCH		Flat, roll-off (recessed)
BATTERY TYPE		1.5V AA/UM3
BATTERY CURRENT		0.4 mA typical
BATTERY LIFE		1200 hours (alkaline battery)
PHANTOM POWER REQUIREMENTS		11-52V DC, 2 mA typical
WEIGHT (LESS ACCESSORIES)		5.1 oz (145 g)
DIMENSIONS		10.98" (279.0 mm) long, 0.83" (21.0 mm) diameter
OUTPUT CONNECTOR		Integral 3-pin XLRM-type
ACCESSORIES FURNISHED		AT8405a stand clamp for 5/8"-27 threaded stands; AT8134 windscreen; battery; 5/8"-27 to 3/8"-16 threaded adapter; protective carrying case

FREQUENCY RESPONSE



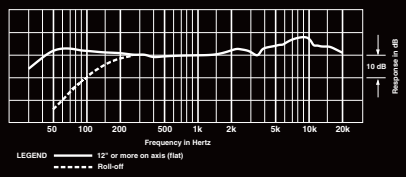
POLAR PATTERN

AT815b
Line + Gradient
Condenser Microphone

AT835b
Line + Gradient
Condenser Microphone

SPECIFICATIONS†		AT815b	AT835b
ELEMENT		Fixed-charge back plate permanently polarized condenser	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN		Line + gradient	Line + gradient
FREQUENCY RESPONSE		30-20,000 Hz	40-20,000 Hz
LOW FREQUENCY ROLL-OFF		180 Hz, 12 dB/octave	180 Hz, 12 dB/octave
OPEN CIRCUIT SENSITIVITY	PHANTOM BATTERY	–38 dB (12.5 mV) re 1V at 1 Pa* –39 dB (11.2 mV) re 1V at 1 Pa*	–38 dB (12.5 mV) re 1V at 1 Pa* –39 dB (11.2 mV) re 1V at 1 Pa*
IMPEDANCE	PHANTOM BATTERY	500 ohms 600 ohms	500 ohms 600 ohms
MAXIMUM INPUT SOUND LEVEL	PHANTOM BATTERY	130 dB SPL, 1 kHz at 1% T.H.D. 115 dB SPL, 1 kHz at 1% T.H.D.	130 dB SPL, 1 kHz at 1% T.H.D. 115 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (TYPICAL)	PHANTOM BATTERY	106 dB, 1 kHz at Max SPL 91 dB, 1 kHz at Max SPL	106 dB, 1 kHz at Max SPL 91 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO†		70 dB, 1 kHz at 1 Pa*	70 dB, 1 kHz at 1 Pa*
SWITCH		Flat, roll-off (recessed)	Flat, roll-off (recessed)
BATTERY TYPE		1.5V AA/UM3	1.5V AA/UM3
BATTERY CURRENT		0.4 mA typical	0.4 mA typical
BATTERY LIFE		1200 hours (alkaline battery)	1200 hours (alkaline battery)
PHANTOM POWER REQUIREMENTS		9-52V DC, 2 mA typical	9-52V DC, 2 mA typical
WEIGHT (LESS ACCESSORIES)		7.1 oz (200 g)	5.3 oz (150 g)
DIMENSIONS		18.11" (460.0 mm) long, 0.83" (21.0 mm) diameter	14.53" (369.0 mm) long, 0.83" (21.0 mm) diameter
OUTPUT CONNECTOR		Integral 3-pin XLRM-type	Integral 3-pin XLRM-type
ACCESSORIES FURNISHED		AT8405a stand clamp for 5/8"-27 threaded stands; windscreen; battery; protective carrying case	AT8405a stand clamp for 5/8"-27 threaded stands; AT8132 windscreen; battery; protective carrying case

FREQUENCY RESPONSE



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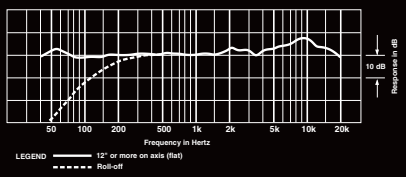

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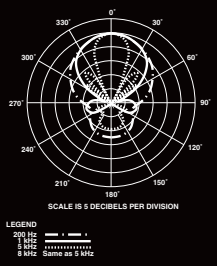

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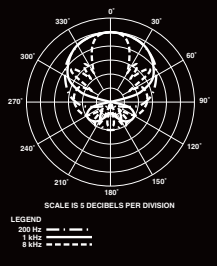


STEREO MICROPHONES
SOLUTIONS FOR DEMANDING BROADCAST AND SOUND-REINFORCEMENT APPLICATIONS

Audio-Technica offers a wide range of Broadcast & Production Stereo Microphones for studio and field recording, surface-mount applications and for long-distance pickup. Designed for high-quality sound reinforcement, broadcasting and recording applications, these robust microphones deliver clear and intelligible audio reproduction.

AT815ST
Stereo Shotgun Microphone

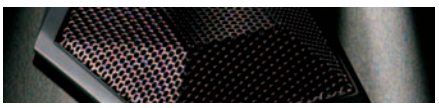
STEREO SHOTGUN SHAPED LIKE A MONAURAL SHOTGUN

At 14.96 inches (380.0 mm) in length, the **AT815ST** provides broadcasters, videographers and sound recordists professional quality stereo audio in a microphone that resembles a monaural shotgun mic. That means the **AT815ST** is easy to use with standard camera mounts, shockmounts and windscreens. Engineered for long-distance pickup in broadcasting and film/TV production, this compact M-S stereo shotgun features internal matrixing innovations that allow for stereo audio with or without an external matrix. It also features switchable low-frequency roll-off and independent line-cardioid and figure-of-eight condenser elements.

AT835ST
Stereo Shotgun Microphone

IDEAL FOR CAMERA-MOUNT USE

The 9.29-inch (236.0 mm) **AT835ST** is engineered for long-distance pickup in broadcasting and film/TV production. Like the AT815ST, this mic features internal matrixing innovations that allow for professional quality stereo audio with or without an external matrix. Its compact, lightweight design is perfect for camera-mount use. The **AT835ST** also features switchable low-frequency roll-off and independent line-cardioid and figure-of-eight condenser elements.



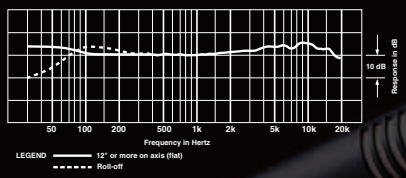
AT815ST
Stereo Shotgun Microphone

AT835ST
Stereo Shotgun Microphone

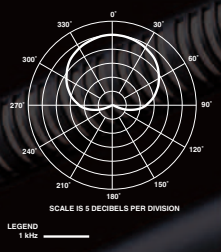
SPECIFICATIONS†		AT815ST	AT835ST
ELEMENTS		Fixed-charge back plate permanently polarized condenser	Fixed-charge back plate permanently polarized condenser
POLAR PATTERNS		Line-cardioid and figure-of-eight	Line-cardioid and figure-of-eight
FREQUENCY RESPONSE		30-20,000 Hz	40-20,000 Hz
LOW FREQUENCY ROLL-OFF		80 Hz, 12 dB/octave	80 Hz, 12 dB/octave
OPEN CIRCUIT SENSITIVITY	MID	–30 dB (31.6 mV) re 1V at 1 Pa*	–30 dB (31.6 mV) re 1V at 1 Pa*
	SIDE	–34 dB (19.9 mV) re 1V at 1 Pa*	–34 dB (19.9 mV) re 1V at 1 Pa*
	LR STEREO	–36 dB (15.8 mV) re 1V at 1 Pa*	–36 dB (15.8 mV) re 1V at 1 Pa*
IMPEDANCE		200 ohms	200 ohms
MAXIMUM INPUT SOUND LEVEL	MID	123 dB SPL, 1 kHz at 1% T.H.D.	123 dB SPL, 1 kHz at 1% T.H.D.
	SIDE	127 dB SPL, 1 kHz at 1% T.H.D.	127 dB SPL, 1 kHz at 1% T.H.D.
	LR STEREO	126 dB SPL, 1 kHz at 1% T.H.D.	126 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (TYPICAL)	MID	101 dB, 1 kHz at Max SPL	101 dB, 1 kHz at Max SPL
	SIDE	101 dB, 1 kHz at Max SPL	101 dB, 1 kHz at Max SPL
	LR STEREO	102 dB, 1 kHz at Max SPL	102 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO†	MID	72 dB, 1 kHz at 1 Pa*	72 dB, 1 kHz at 1 Pa*
	SIDE	68 dB, 1 kHz at 1 Pa*	68 dB, 1 kHz at 1 Pa*
	LR STEREO	70 dB, 1 kHz at 1 Pa*	70 dB, 1 kHz at 1 Pa*
SWITCHES		M-S, LR Stereo-Wide (LR-W), LR Stereo-Narrow (LR-N); Flat, roll-off	M-S, LR Stereo-Wide (LR-W), LR Stereo-Narrow (LR-N); Flat, roll-off
PHANTOM POWER REQUIREMENTS * *		11-52V DC, 4 mA typical at 48V, each channel	11-52V DC, 4 mA typical at 48V, each channel
WEIGHT (LESS CABLE AND ACCESSORIES)		5.0 oz (142 g)	3.6 oz (103 g)
DIMENSIONS		14.96" (380.0 mm) long, 0.83" (21.0 mm) diameter	9.29" (236.0 mm) long, 0.83" (21.0 mm) diameter
OUTPUT CONNECTOR		Integral XLR5M-type	Integral XLR5M-type
CABLE		Dual 24" (0.61 m) shielded two-conductor, terminated in two XLR3M-type connectors	Dual 24" (0.61 m) shielded two-conductor, terminated in two XLR3M-type connectors
ACCESSORIES FURNISHED		AT8405a stand clamp for 5/8"-27 threaded stands; AT8135 windscreen; protective carrying case	AT8405a stand clamp for 5/8"-27 threaded stands; AT8134 windscreen; protective carrying case

AT815ST

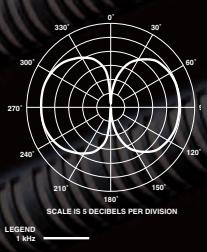
FREQUENCY RESPONSE



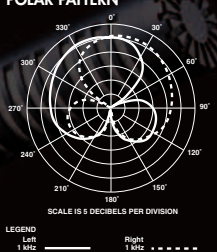
MID POLAR PATTERN



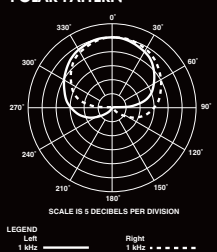
SIDE POLAR PATTERN



LR STEREO-WIDE (LR-W) POLAR PATTERN

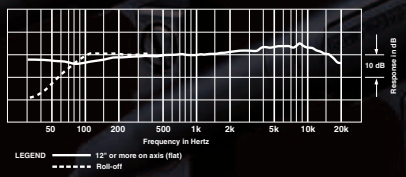


LR STEREO-NARROW (LR-N) POLAR PATTERN

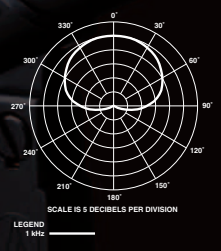


AT835ST

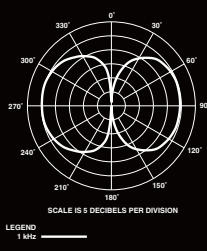
FREQUENCY RESPONSE



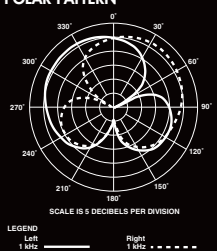
MID POLAR PATTERN



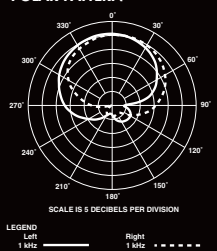
SIDE POLAR PATTERN



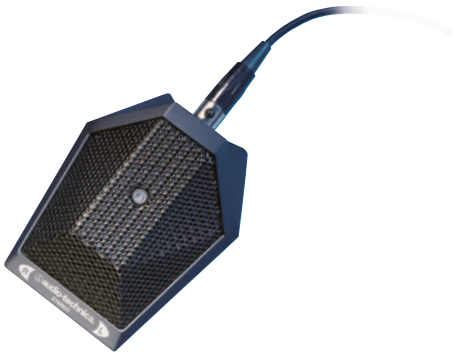
LR STEREO-WIDE (LR-W) POLAR PATTERN



LR STEREO-NARROW (LR-N) POLAR PATTERN



AT849
Stereo Condenser
Boundary Microphone



STEREO MICROPHONES

AT849
Stereo Condenser Boundary Microphone

TRUE STEREO OUTPUT IN A LOW-PROFILE DESIGN

Designed primarily for surface-mount applications, the **AT849** features closely matched, optimally positioned UniPoint® elements that deliver the spatial impact and realism of a live sound field. Its heavy die-cast case and rubber bottom pad minimize coupling of surface vibration to the microphone. The mic features switchable low frequency roll-off and low-profile design for minimum visibility.

AT822
OnePoint® X/Y Stereo DAT Microphone

COMPACT, LIGHTWEIGHT DESIGN PERFECT FOR CAMERA MOUNT USE

The **AT822** is ideal for DAT recording as well as television, FM and field applications. Its closely matched elements provide the spatial impact and realism of a live sound field. Under a deadline crunch or in single-take situations, sound technicians will also appreciate the **AT822's** excellent channel separation. For battery operation only, the mic also offers switchable low frequency roll-off.

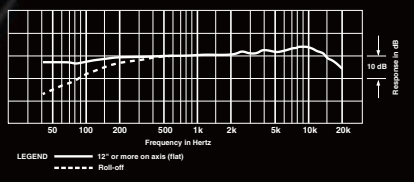
AT825
OnePoint® X/Y Stereo
Field Recording Microphone

DESIGNED FOR BROADCAST & PROFESSIONAL RECORDING, DAT FIELD USE

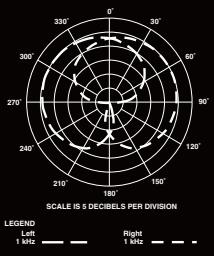
Audio-Technica's compact, lightweight **AT825** is perfect for camera-mount applications. The microphone is equiped with a pair of wide-range, closely matched miniature cardioid condenser elements that provide the realism of a live sound field. With switchable low-frequency roll-off; operates on battery or phantom power.

SPECIFICATIONS†	AT849
ELEMENTS	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	X/Y stereo
FREQUENCY RESPONSE	30-20,000 Hz
LOW FREQUENCY ROLL-OFF	150 Hz, 6 dB/octave
OPEN CIRCUIT SENSITIVITY	–40 dB (10.0 mV) re 1V at 1 Pa*
CHANNEL BALANCE	≤ 2.5 dB
IMPEDANCE	200 ohms balanced
MAXIMUM INPUT SOUND LEVEL	137 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (TYPICAL)	110 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO[1]	67 dB, 1 kHz at 1 Pa*
SWITCH	Flat, roll-off
PHANTOM POWER REQUIREMENTS	9-52V DC, 2 mA typical (each channel)
WEIGHT (LESS CABLE)	5.3 oz (149 g)
DIMENSIONS	3.62" (92.0 mm) maximum length, 2.87" (73.0 mm) maximum width
OUTPUT CONNECTOR	Integral 5-pin TB5M
CABLE	25' (7.6 m) long, shielded, vinyl-jacketed, stereo cable with 5-pin TA5F connector at microphone end, two 3-pin XLRM-type connectors at output end
ACCESSORY FURNISHED	Soft protective pouch

FREQUENCY RESPONSE



POLAR PATTERN

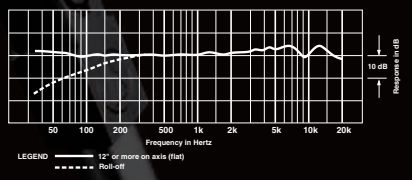


AT822
OnePoint® X/Y Stereo DAT Microphone

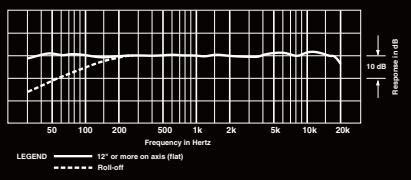
AT825
OnePoint® X/Y Stereo Field Recording DAT Microphone

SPECIFICATIONS†	AT822	AT825
ELEMENTS	Fixed-charge back plate permanently polarized condenser	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	X/Y stereo	X/Y stereo
FREQUENCY RESPONSE	30-20,000 Hz	30-20,000 Hz
LOW FREQUENCY ROLL-OFF	150 Hz, 6 dB/octave	150 Hz, 6 dB/octave
OPEN CIRCUIT SENSITIVITY	–45 dB (5.6 mV) re 1V at 1 Pa*	–47 dB (4.4 mV) re 1V at 1 Pa*
CHANNEL BALANCE	≤ 2.5 dB	≤ 2.5 dB
IMPEDANCE	200 ohms unbalanced	200 ohms balanced
MAXIMUM INPUT SOUND LEVEL	125 dB SPL, 1 kHz at 1% T.H.D.	126 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (TYPICAL)	101 dB, 1 kHz at Max SPL	102 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO[1]	70 dB, 1 kHz at 1 Pa*	70 dB, 1 kHz at 1 Pa*
SWITCH	Off, flat, roll-off	Flat, roll-off (recessed)
BATTERY TYPE	1.5V AA/UM3 WARNING: The AT822 is designed for battery operation only. Do not attempt to use when phantom power is present. Possible damage to the microphone may result.	1.5V AA/UM3
BATTERY CURRENT	1.2 mA typical	1.2 mA typical
BATTERY LIFE (INTERMITTENT USE)	1000 hours (akaline battery)	1000 hours (akaline battery)
PHANTOM POWER REQUIREMENTS		5-52V DC, 2 mA typical (each channel)
WEIGHT (LESS CABLES AND ACCESSORIES)	5.8 oz (165 g)	8.5 oz (240 g)
DIMENSIONS	7.76" (197.0 mm) long, 2.44" (62.0 mm) maximum head width, 0.83" (21.0 mm) body diameter	8.43" (214.0 mm) long, 2.44" (62.0 mm) maximum head width, 0.83" (21.0 mm) body diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type	Integral 5-pin XLRM-type
CABLE(S)	1.7' (0.5 m) long, 3-conductor, shielded, vinyl-jacketed, stereo cable with 3-pin XLRF-type connector at microphone end, 3.5 mm stereo mini plug at output end. 10.0' (3.0 m) long, 3-conductor, shielded, vinyl-jacketed, stereo cable with 3-pin XLRF-type connector at microphone end, two 3.5 mm mono mini plugs with 1/4" phone plug adapters at output end.	16.5' (5 m) long, 8 conductors under two shields, vinyl-jacketed, stereo cable with 5-pin XLRF-type connector at microphone end, two 3-pin XLRM-type connectors at output end
ACCESSORIES FURNISHED	Gun-grip snap-in stand clamp for 5/8"-27 threaded stands; camera shoe mount adapter; battery; AT8120 windscreen; soft protective pouch	AT8405a stand clamp for 5/8"-27 threaded stands; battery; AT8120 windscreen; soft protective pouch

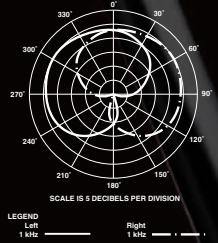
FREQUENCY RESPONSE



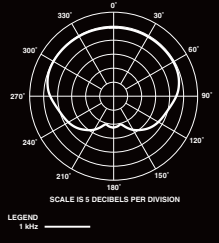
FREQUENCY RESPONSE



POLAR PATTERN



MONO (L + R) POLAR PATTERN



STEREO POLAR PATTERN

LAVALIER MICROPHONES

MAXIMUM PERFORMANCE, MINIMUM PACKAGE

With Audio-Technica's legendary innovations in electro-acoustic design, A-T's Broadcast & Production Lavalier Microphones are ideal for applications where quality sound and unobtrusive design are imperative: TV/film/radio broadcast, AV presentations, houses of worship venues, and theater sound reinforcement.

AT898
Subminiature Cardioid Condenser Microphone

OUTSTANDING SOUND QUALITY, ROBUST DESIGN

Designed to be worn as a lavalier or hidden in clothing, Audio-Technica's discreet-design cardioid **AT898** offers maximum intelligibility, accurate voice reproduction and unobtrusive appearance for use in houses of worship, broadcast studios, theaters, etc. Its switchable low frequency roll-off reduces sensitivity to popping. Battery or phantom power.

AT898 Available Terminations

AT898	3-pin XLRM-type used with included AT8537 power module
AT898c	Unterminated version of AT898
AT898cL4	AT898 terminated for Sennheiser SK wireless systems
AT898cT4	AT898 terminated for Shure wireless systems
AT898cT5	AT898 terminated for ATW-U101 wireless systems
AT898cW	AT898 terminated for all A-T UniPak™ wireless systems

AT899
Subminiature Omnidirectional Condenser Microphone

SAME AS AT898 —WITH OMNI POLAR PATTERN

Audio-Technica's omnidirectional **AT899** is engineered for intelligible, accurate voice reproduction. Its low-profile design (a mere 5 mm in diameter) assures minimum visibility. The mic may be worn as a lavalier and is easily hidden in clothing or hair. It offers the convenience of battery or phantom power; its switchable low-frequency roll-off reduces popping.

AT899 Available Terminations

AT899	3-pin XLRM-type used with included AT8537 power module
AT899c	Unterminated version of AT899 (AT899c-TH: beige "theater" version)
AT899cL4	AT899 terminated for Sennheiser SK wireless systems (AT899cL4-TH: beige "theater" version)
AT899cT4	AT899 terminated for Shure wireless systems
AT899cT5	AT899 terminated for ATW-U101 wireless systems (AT899cT5-TH: beige "theater" version)
AT899cW	AT899 terminated for all A-T UniPak™ wireless systems (AT899cW-TH: beige "theater" version)

AT803b and MT830R
Miniature Omnidirectional Condenser Microphones

HIGH INTELLIGIBILITY FOR LECTURERS AND STAGE/TV PERFORMERS

The **AT803b** provides excellent yet unobtrusive sound pickup. Designed to be worn as a lavalier or hidden in loose clothing or in the hair, it features an integral 80 Hz high-pass filter and the versatility of battery or phantom power.

Designed to be worn as a lavalier or hidden in loose clothing or in the hair, the **MT830R** provides high intelligibility for lecturers, stage/TV performers and singers. The mic's wide-range capability ensures clean, accurate reproduction. It operates on phantom power only.

AT831b and AT831R
Miniature Cardioid Condenser Microphones

FULL-SOUNDING VOICE AND INSTRUMENT PICKUP

A clip-on lavalier mic, the **AT831b** provides crisp, full-sounding voice pickup and excels as an instrument mic, especially for pickup of acoustic guitar with included **AT8444** guitar adapter. An integral 80 Hz high-pass filter provides easy switching from a flat frequency response to a low-end roll-off. Battery or phantom power.

The **AT831R** is ideal for voice, guitar (**AT8444** guitar adapter included) and for higher SPL applications, such as pickup for horns with included **AT8418** UniMount® microphone instrument mount. Excellent gain before feedback and suppression of background noise. Phantom power only.

AT898 with included accessories

AT899 & **AT899-TH** with included accessories

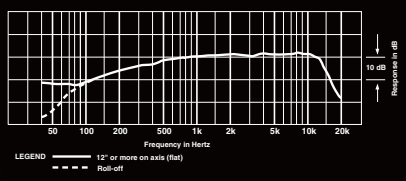
AT898
Subminiature Cardioid Condenser Microphone

AT899
Subminiature Omnidirectional Condenser Microphone

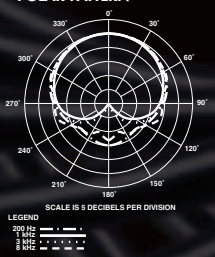
AT899cW-TH
"theater" (beige)

SPECIFICATIONS†		AT898	AT899
ELEMENT		Fixed-charge back plate permanently polarized condenser	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN		Cardioid	Omnidirectional
FREQUENCY RESPONSE		200-15,000 Hz	20-20,000 Hz
LOW FREQUENCY ROLL-OFF		80 Hz, 12 dB/octave	80 Hz, 12 dB/octave
OPEN CIRCUIT SENSITIVITY	PHANTOM BATTERY	–43 dB (7.0 mV) re 1V at 1 Pa* –46 dB (5.0 mV) re 1V at 1 Pa*	–43 dB (7.0 mV) re 1V at 1 Pa* –46 dB (5.0 mV) re 1V at 1 Pa*
IMPEDANCE	PHANTOM BATTERY	200 ohms 250 ohms	200 ohms 250 ohms
MAXIMUM INPUT SOUND LEVEL	PHANTOM BATTERY	131 dB SPL, 1 kHz at 1% T.H.D. 115 dB SPL, 1 kHz at 1% T.H.D.	138 dB SPL, 1 kHz at 1% T.H.D. 116 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (TYPICAL)	PHANTOM BATTERY	100 dB, 1 kHz at Max SPL 84 dB, 1 kHz at Max SPL	108 dB, 1 kHz at Max SPL 86 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO†		63 dB, 1 kHz at 1 Pa*	64 dB, 1 kHz at 1 Pa*
SWITCH		Flat, roll-off (recessed)	Flat, roll-off (recessed)
BATTERY TYPE		1.5V AA/UM3	1.5V AA/UM3
BATTERY CURRENT		0.4 mA typical	0.4 mA typical
BATTERY LIFE		1200 hours (alkaline battery)	1200 hours (alkaline battery)
PHANTOM POWER REQUIREMENTS		11-52V DC, 2 mA typical	11-52V DC, 2 mA typical
WEIGHT (LESS CABLE AND ACCESSORIES)			
	MICROPHONE	0.03 oz (0.9 g)	0.02 oz (0.5 g)
	POWER MODULE	3.6 oz (102 g)	3.6 oz (102 g)
DIMENSIONS	MICROPHONE	0.91" (23.0 mm) long, 0.21" (5.3 mm) diameter	0.63" (16.0 mm) long, 0.20" (5.0 mm) diameter
	POWER MODULE	5.71" (145.0 mm) long, 0.83" (21.0 mm) diameter	5.71" (145.0 mm) long, 0.83" (21.0 mm) diameter
OUTPUT CONNECTOR (POWER MODULE)		Integral 3-pin XLRM-type	Integral 3-pin XLRM-type
CABLE		9.8' (3.0 m) long (permanently attached to microphone), 0.08" (2.0 mm) diameter, 2-conductor, shielded cable with TA3F output connector that mates with TB3M jack on power module	9.8' (3.0 m) long (permanently attached to microphone), 0.08" (2.0 mm) diameter, 2-conductor, shielded cable with TA3F output connector that mates with TB3M jack on power module
ACCESSORIES FURNISHED		AT8537 power module; AT8439 cable clip; clothing clip base; viper clip base; magnet clip base and plate with lanyard; three single mic holders; two double mic holders; two windscreens; battery; protective carrying case	AT8537 power module; AT8439 cable clip; clothing clip base; viper clip base; magnet clip base and plate with lanyard; three single mic holders; two double mic holders; two element covers; two windscreens; battery; protective carrying case

FREQUENCY RESPONSE



POLAR PATTERN



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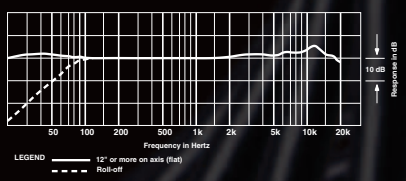
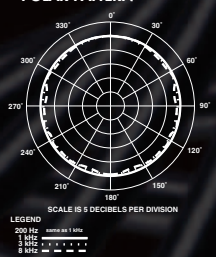


POLAR PATTERN



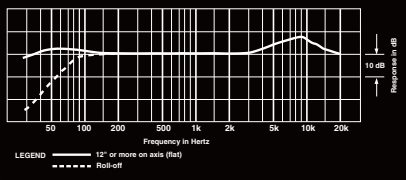
LAVALIER MICROPHONES

AT803b
Miniature Omnidirectional Condenser Microphone

MT830R
Miniature Omnidirectional Condenser Microphone

SPECIFICATIONS†		AT803b	MT830R
ELEMENT		Fixed-charge back plate permanently polarized condenser	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN		Omnidirectional	Omnidirectional
FREQUENCY RESPONSE		30-20,000 Hz	30-20,000 Hz
LOW FREQUENCY ROLL-OFF		80 Hz, 18 dB/octave	
OPEN CIRCUIT SENSITIVITY	PHANTOM BATTERY	–45 dB (5.6 mV) re 1V at 1 Pa* –46 dB (5.0 mV) re 1V at 1 Pa*	–34 dB (19.9 mV) re 1V at 1 Pa*
IMPEDANCE	PHANTOM BATTERY	200 ohms 270 ohms	200 ohms
MAXIMUM INPUT SOUND LEVEL	PHANTOM BATTERY	135 dB SPL, 1 kHz at 1% T.H.D. 121 dB SPL, 1 kHz at 1% T.H.D.	131 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (TYPICAL)	PHANTOM BATTERY	106 dB, 1 kHz at Max SPL 92 dB, 1 kHz at Max SPL	107 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO†		65 dB, 1 kHz at 1 Pa*	70 dB, 1 kHz at 1 Pa*
SWITCH		Off, on-flat, on-roll-off	
BATTERY TYPE		1.5V AA/UM3	
BATTERY CURRENT		0.4 mA typical	
BATTERY LIFE		1200 hours (alkaline battery)	
PHANTOM POWER REQUIREMENTS		9-52V DC, 2 mA typical	9-52V DC, 2 mA typical
WEIGHT (LESS CABLE AND ACCESSORIES)			
	MICROPHONE	0.09 oz (2.5 g)	0.05 oz (1.3 g)
	POWER MODULE	5.2 oz (147 g)	1.81 oz (51.4 g)
DIMENSIONS	MICROPHONE	0.81" (20.5 mm) long, 0.39" (10.0 mm) diameter	0.62" (15.8 mm) long, 0.33" (8.5 mm) wide 0.19" (5.0 mm) thick
	POWER MODULE	3.27" (83.0 mm) H x 2.48" (63.0 mm) W x 0.87" (22.0 mm) D,	3.13" (79.5 mm) long, 0.83" (21.0 mm) diameter
OUTPUT CONNECTOR (POWER MODULE)		Integral 3-pin XLRM-type	Integral 3-pin XLRM-type
CABLE		Integral 6' (1.8 m), permanently attached between microphone and power module	25' (7.6 m) long (permanently attached to microphone), 0.10" (2.5 mm) diameter, 2-conductor, shielded cable with TA3F output connector
ACCESSORIES FURNISHED		AT8417 clothing clip; AT8530 power module; AT8116 windscreen; battery; protective carrying case	AT8533 power module; clothing clip; windscreens

FREQUENCY RESPONSE



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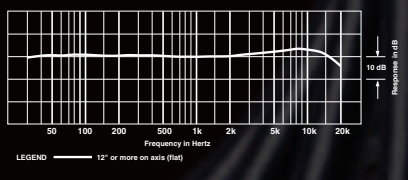
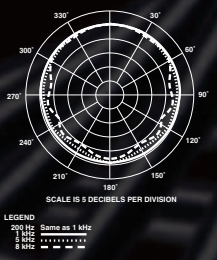


POLAR PATTERN

POLAR PATTERN



MT830R ALSO AVAILABLE AS

MT830c

Less power module; 55"(1.4 m) cable, unterminated.

MT830c-TH same as MT830c but in "theater" color (beige).

MT830cT5

Less power module; 55" (1.4 m) cable terminated with TA5F connector for ATW-U101 body-pack wireless system.

MT830cT5-TH same as MT830cT5 but in "theater"color (beige).

MT830cW

Less power module; 55" (1.4 m) cable terminated for all A-T UniPak™ wireless systems.

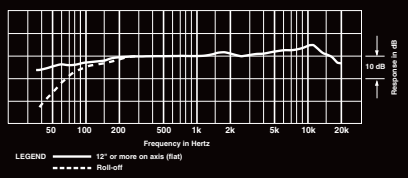
MT830cW-TH same as MT830cW but in "theater" color (beige).

AT831b
Miniature Cardioid Condenser Microphone

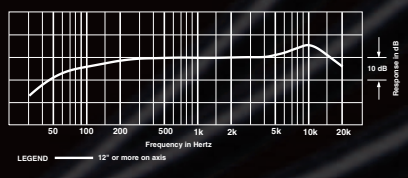
AT831R
Miniature Cardioid Condenser Microphone

SPECIFICATIONS†		AT831b	AT831R
ELEMENT		Fixed-charge back plate permanently polarized condenser	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN		Cardioid	Cardioid
FREQUENCY RESPONSE		40-20,000 Hz	40-20,000 Hz
LOW-FREQUENCY ROLL-OFF		80 Hz, 18 dB/octave	
OPEN CIRCUIT SENSITIVITY	PHANTOM BATTERY	–44 dB (6.3 mV) re 1V at 1 Pa* –45 dB (5.6 mV) re 1V at 1 Pa*	–42 dB (7.9 mV) re 1V at 1 Pa*
IMPEDANCE	PHANTOM BATTERY	200 ohms 270 ohms	200 ohms
MAXIMUM INPUT SOUND LEVEL	PHANTOM BATTERY	135 dB SPL, 1 kHz at 1% T.H.D. 121 dB SPL, 1 kHz at 1% T.H.D.	141 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (TYPICAL)	PHANTOM BATTERY	106 dB, 1 kHz at Max SPL 92 dB, 1 kHz at Max SPL	112 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO[1]		65 dB, 1 kHz at 1 Pa*	65 dB, 1 kHz at 1 Pa*
SWITCH		Off, on-flat, on-roll-off	
BATTERY TYPE		1.5V AA/UM3 battery	
BATTERY CURRENT		0.4 mA typical	
BATTERY LIFE		1200 hours (alkaline battery)	
PHANTOM POWER REQUIREMENTS		9-52V DC, 2 mA typical	9-52V DC, 2 mA typical
WEIGHT (LESS CABLE AND ACCESSORIES)			
	MICROPHONE POWER MODULE	0.1 oz (2.8 g) 5.2 oz (147 g)	0.1 oz (2.8 g) 1.8 oz (51.4 g)
DIMENSIONS	MICROPHONE POWER MODULE	0.98" (25.0 mm) long, 0.39" (10.0 mm) diameter 3.27" (83.0 mm) H x 2.48" (63.0 mm) W x 0.87" (22.0 mm) D, not including clip	0.98" (24.8 mm) long, 0.40" (10.2 mm) diameter 3.13" (79.5 mm) long, 0.83" (21.0 mm) diameter
OUTPUT CONNECTOR (POWER MODULE)		Integral 3-pin XLRM-type	Integral 3-pin XLRM-type
CABLE		Integral 6' (1.8 m), permanently attached between microphone and power module	25' (7.6 m) long (permanently attached to microphone), 0.13" (3.2 mm) diameter, 2-conductor, shielded cable with TA3F output connector
ACCESSORIES FURNISHED		AT8417 clothing clip; AT8444 guitar adapter; AT8530 power module; AT8116 windscreen; battery; protective carrying case	AT8417 clothing clip; AT8418 UniMount® microphone instrument mount; AT8444 guitar adapter; AT8533 power module; AT8116 windscreen; protective carrying case

FREQUENCY RESPONSE



FREQUENCY RESPONSE



AT831R ALSO AVAILABLE AS

AT831c
Less power module; 10' (3 m) cable unterminated

AT831cT5
AT831c wired for ATW-U101 body-pack system (TA5F connector). Includes AT8417 clothing clip and AT8116 windscreen.

AT831cW
Less power module; 29.5"cable terminated for all A-T UniPak™ wireless systems.

POLAR PATTERN

POLAR PATTERN

AT813a
Cardioid Condenser Microphone

HANDHELDS & GOOSENECK
CLEAR. VERSATILE. DEPENDABLE.

AT813a
Cardioid Condenser Microphone

IDEAL FOR INTERVIEWS, VOCALS, DRUM OVERHEADS, PIANO, AND STRINGS

The **AT813a's** cardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source. Its proximity effect provides added warmth when used close up. The mic's large protective screen reduces "popping" and sibilant distortion. It operates on battery or phantom power.

AT804
Omnidirectional Dynamic Microphone

NATURAL SOUND REPRODUCTION FOR INTERVIEWS AND SPORTSCASTING

The **AT804** is deal for interviews, sportscasting and for use as the "mono" mic in conjunction with a stereo microphone. Its omnidirectional polar pattern provides natural reproduction of surrounding ambience. The mic's rugged housing with hardened-steel grille stands up to field use; its internal shock mounting minimizes handling and cable noise.

AT808G
Subcardioid Dynamic Console Microphone

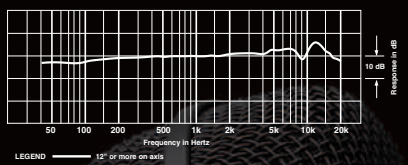
QUALITY TALK-BACK MIC

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.

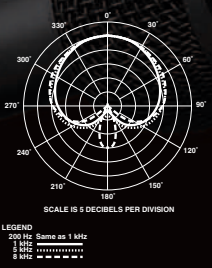
SPECIFICATIONS† — AT813a

ELEMENT		Fixed-charge back plate permanently polarized condenser
POLAR PATTERN		Cardioid
FREQUENCY RESPONSE		30-20,000 Hz
OPEN CIRCUIT SENSITIVITY	PHANTOM BATTERY	–44 dB (6.3 mV) re 1V at 1 Pa* –45 dB (5.6 mV) re 1V at 1 Pa*
IMPEDANCE	PHANTOM BATTERY	200 ohms 270 ohms
MAXIMUM INPUT SOUND LEVEL	PHANTOM BATTERY	137 dB SPL, 1 kHz at 1% T.H.D. 123 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (TYPICAL)	PHANTOM BATTERY	113 dB, 1 kHz at Max SPL 99 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO[1]		70 dB, 1 kHz at 1 Pa*
BATTERY TYPE		1.5V AA/UM3
BATTERY CURRENT		0.4 mA typical
BATTERY LIFE		1200 hours (alkaline battery)
PHANTOM POWER REQUIREMENTS		9-52V DC, 2 mA typical
WEIGHT (LESS ACCESSORIES)		7.1 oz (200 g)
DIMENSIONS		7.60" (193.0 mm) long, 1.98" (50.3 mm) head diameter
OUTPUT CONNECTOR		Integral 3-pin XLRM-type
ACCESSORIES FURNISHED		AT8405a stand clamp for 5/8"-27 threaded stands; battery; soft protective pouch

FREQUENCY RESPONSE



POLAR PATTERN

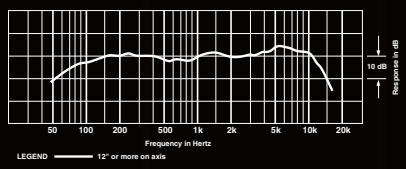


AT804
Omnidirectional
Dynamic Microphone

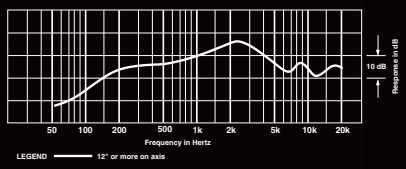
AT808G
Subcardioid Dynamic
Console Microphone

SPECIFICATIONS†	AT804	AT808G
ELEMENT	Dynamic	Dynamic
POLAR PATTERN	Omnidirectional	Subcardioid
FREQUENCY RESPONSE	50-15,000 Hz	200-5,000 Hz
OPEN CIRCUIT SENSITIVITY	–49 dB (3.5 mV) re 1V at 1 Pa*	–60 dB (1.0 mV) re 1V at 1 Pa*
IMPEDANCE	600 ohms	800 ohms
WEIGHT (LESS ACCESSORIES)	7.5 oz (213 g)	4.1 oz (200 g)
DIMENSIONS	5.94" (151.0 mm) long, 1.42" (36.0 mm) head diameter	16.20" (412.7 mm) long, 0.98" (25.0 mm) head diameter 0.74" (18.9 mm) base diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type	Integral 3-pin XLRM-type
ACCESSORIES FURNISHED	AT8405a stand clamp for 5/8"-27 threaded stands; soft protective pouch	

FREQUENCY RESPONSE



FREQUENCY RESPONSE



POLAR PATTERN

POLAR PATTERN

ARCHITECTS & ENGINEERS SPECIFICATIONS

AT803b
The microphone shall be a miniature fixed-charge condenser with an omnidirectional polar pattern and a frequency response of 30 Hz to 20,000 Hz. It shall be capable of operating from an external 9V to 52V DC phantom power source or, alternatively, from a 1.5V AA/UM3 battery. Nominal open-circuit output voltage shall be 5.6 mV (phantom) or 5.0 mV (battery) at 1 kHz, 1 Pascal. Output with the included power module shall be low impedance balanced (200 ohms-phantom, 270 ohms-battery).

The microphone shall have a 6' (1.8 m) cable permanently attached to a power module. The power module shall house the battery and contain an off/on/low-roll-off switch. The power module shall terminate in a 3-pin XLRM-type connector.

The microphone shall be 0.81" (20.5 mm) long and 0.39" (10.0 mm) in diameter. The microphone weight shall be 0.09 oz (2.5 g) and finish shall be low-reflectance black.
The Audio-Technica AT803b is specified.

AT804
The microphone shall be a moving coil dynamic with an omnidirectional polar pattern and a frequency response of 50 Hz to 15,000 Hz. It shall have a nominal open-circuit output voltage of 3.5 mV at 1 kHz, 1 Pascal. It shall have an output impedance of 600 ohms and output shall be balanced.

The microphone shall have a hardened-steel grille and a die-cast case. It shall have a barrel diameter of 0.83" (21.0 mm), a length of 5.94" (151.0 mm) and a weight of 7.5 oz (213 g). Finish shall be low-reflectance matte.
The Audio-Technica AT804 is specified.

AT808G
The microphone shall be a moving coil dynamic with a subcardioid polar pattern and a frequency response of 200 Hz to 5,000 Hz. It shall have a nominal open-circuit output voltage of 1.0 mV at 1 kHz, 1 Pascal. It shall have an output impedance of 800 ohms and output shall be balanced.

The microphone shall be an alternating gooseneck design with an XLRM-type connector insert at the base for direct connection to a mating XLRF-type panel jack or cable connector. Overall length shall be 16.20" (412.7 mm). Head diameter shall be 0.98" (25.0 mm). The microphone weight shall be 4.1 oz (115 g). Finish shall be low-reflectance matte.
The Audio-Technica AT808G is specified.

AT813a
The microphone shall be a fixed-charge condenser with a cardioid polar pattern and a frequency response of 30 Hz to 20,000 Hz. It shall be cable of operating from a external 9V to 52V DC phantom power source or, alternatively, from a 1.5V AA/UM3 battery.

The microphone shall have a nominal open circuit output voltage of 6.3 mV (phantom) or 5.6 mV (battery) at 1 kHz, 1 Pascal. Output shall be low impedance balanced (200 ohms-phantom, 270 ohms-battery). The microphone shall accept 137 dB SPL (phantom) or 123 dB SPL (battery) at 1 kHz while producing no greater than 1% T.H.D.

The microphone shall have an oversize multistage windscreen with a maximum width of 1.98" (50.3 mm). The length shall be 7.60" (193.0 mm) and the weight shall be 7.1 oz (200 g). Finish shall be low-reflectance matte.
The Audio-Technica AT813a is specified.

AT815b
The microphone shall be a fixed-charge condenser with a line+gradient polar pattern and a frequency response of 30 Hz to 20,000 Hz. It shall be capable of operating from an external 9V to 52V DC phantom power source or, alternatively, from a 1.5V AA/UM3 battery.

The microphone shall have a nominal open-circuit output of 12.5 mV (phantom) or 11.2 mV (battery) at 1 kHz, 1 Pascal. It shall have an output impedance of 500 ohms (phantom)/600 ohms (battery) and output shall be balanced. The microphone shall accept a 130 dB SPL (phantom)/115 dB SPL (battery) at 1 kHz while producing no greater than 1% T.H.D.

The microphone shall operate on the line + gradient principle to provide a narrow sound acceptance angle. The microphone shall include a switch for low-frequency roll-off. The microphone shall be 18.11" (460.0 mm) long and 0.83" (21.0 mm) in diameter. The weight shall be 7.1 oz (200 g). Finish shall be low-reflectance matte.
The Audio-Technica AT815b is specified.

AT815ST
The microphone shall be a shotgun design with two independent fixed-charge condenser elements. Polar patterns shall be line-cardioid and figure-of-eight. Frequency response shall be 30 Hz to 20,000 Hz. It shall operate from an 11V to 52V DC phantom power source.

The microphone shall have a nominal open-circuit output of 31.6 mV (mid), 19.9 mV (side), and 15.8 mV (left/right stereo) at 1 kHz, 1 Pascal. It shall have an output impedance of 200 ohms and output shall be balanced. The microphone shall accept a 123 dB SPL (mid), 127 dB SPL (side), 126 dB SPL (left/right stereo) at 1 kHz while producing no greater than 1% T.H.D.

The microphone shall include a switch for low-frequency roll-off. It shall also include switch selection of non-matrixed M-S mode and two internally matrixed left/right stereo modes. The M-S mode shall provide independent Mid and Side signals. The two internally matrixed modes shall provide traditional "left-right" stereo with the choice of wide and narrow pickup patterns.

The microphone shall include a 24" (0.61 m) shielded cable with a five-pin TA5F input connector and two standard three-pin XLRM-type output connectors. Also included shall be a foam windscreen, a protective carrying case, and a stand clamp for 5/8"-27 threaded stands.

The microphone shall be 14.96" (380.0 mm) long and 0.83" (21.0 mm) in diameter. The weight shall be 5.0 oz (142 g). Finish shall be low-reflectance matte.
The Audio-Technica AT815ST is specified.

AT822
The microphone shall be a fixed-charge condenser with two miniature condenser cardioid elements in an X/Y stereo configuration. The stereo angle shall be 110°. The frequency response shall be 30 Hz to 20,000 Hz, and the microphone shall have a switch for selection of flat or low-roll-off response.

The microphone shall have a nominal open-circuit output voltage of 5.6 mV at 1 kHz, 1 Pascal. It shall have an output impedance of 200 ohms and output shall be unbalanced. It shall operate from a 1.5V AA/UM3 battery. The microphone shall accept 125 dB SPL at1 kHz while producing no greater than 1% T.H.D.

The microphone shall include a 1.7' shielded cable with a 3-pin XLRF-type input connector and a 3.5 mm stereo mini plug output connector, a 10.0' shielded cable with a 3-pin XLRF-type input connector and two 3.5 mm mono mini plug output connectors with 1/4" phone plug adapters, and a foam windscreen. The microphone shall be 7.76" (197.0 mm) long and the head shall be 2.44" (62.0 mm) wide. The weight shall be 5.8 oz (165 g). Finish shall be low-reflectance matte.
The Audio-Technica AT822 is specified.

AT825
The microphone shall be a fixed-charge condenser with two condenser cardioid elements in an X/Y stereo configuration. The stereo angle shall be 110°. The frequency response shall be 30 Hz to 20,000 Hz, and the microphone shall have a switch for selection of flat or low-roll-off response.

The microphone shall have a nominal open-circuit output voltage of 4.4 mV at 1 kHz, 1 Pascal. It shall have an output impedance of 200 ohms and output shall be balanced. It shall be capable of operating from an external 5V to 52V DC phantom power source or, alternatively, from a 1.5V AA/UM3 battery. The microphone shall accept a 126 dB SPL at 1 kHz while producing no greater than 1% T.H.D.

The microphone shall include a foam windscreen and 16.5' shielded cable with a five-pin XLRF-type stereo connector and two standard three-pin XLRM-type output connectors. The microphone shall be 8.43" (214.0 mm) long and the head shall be 2.44" (62.0 mm) wide. The weight shall be 8.5 oz (240 g). Finish shall be low-reflectance matte.
The Audio-Technica AT825 is specified.

AT831b
The microphone shall be a fixed-charge condenser with a cardioid polar pattern and a frequency response of 40 Hz to 20,000 Hz. It shall operate from an external 9V to 52V DC phantom power source or, alternatively, from a 1.5V AA/UM3 battery. Nominal open-circuit output voltage shall be 6.3 mV (phantom) or 5.6 mV (battery) at 1 kHz, 1 Pascal. Output with the included power module shall be low impedance balanced (200 ohms-phantom, 270 ohms-battery).

The microphone shall have a permanently attached 6' (1.8 m) miniature cable between the microphone and power module. The power module shall house the battery and contain an off/on/low-roll-off switch. The power module shall terminate in a 3-pin XLRM-type connector.

The microphone shall be mountable in an included instrument adapter or clothing clip. The microphone shall be 0.98" (25.0 mm) long with a diameter of 0.39" (10.0 mm). The microphone weight shall be 0.1 oz (2.8 g). Finish shall be low-reflectance black.
The Audio-Technica AT831b is specified.

AT831R
The microphone shall be a fixed-charge condenser with a cardioid polar pattern and a frequency response of 40 Hz to 20,000 Hz. It shall be capable of operating from an external 9V to 52V DC phantom power source. Nominal open-circuit output voltage shall be 7.9 mV at 1 kHz, 1 Pascal. Output with the included power module shall be low impedance balanced (200 ohms).

The microphone shall have a 25' (7.6 m) miniature cable between the microphone and remote power module. The remote power module shall terminate in a 3-pin XLRM-type connector.

The microphone shall be mountable in an included guitar adapter, instrument mount or clothing clip. The microphone shall be 0.98" (24.8 mm) long with a diameter of 0.40" (10.2 mm). The microphone weight shall be 0.1 oz (2.8 g). Finish shall be low-reflectance black.
The Audio-Technica AT831R is specified.

AT835b
The microphone shall be a fixed-charge condenser with a line+gradient polar pattern and a frequency response

of 40 Hz to 20,000 Hz. It shall be capable of operating from an external 9V to 52V DC phantom power source or, alternatively, from an 1.5V AA/UM3 battery. Nominal open circuit output voltage shall be 12.5 mV (phantom)/11.2 mV (battery) at 1 kHz, 1 Pascal. The microphone shall have an output impedance of 500 ohms (phantom)/600 ohms (battery) and output shall be balanced. The microphone shall accept a 130 dB SPL (phantom)/115 dB SPL (battery) at 1 kHz while producing no greater than 1% T.H.D.

The microphone shall operate on the line+gradient principle to provide a narrow sound acceptance angle. The microphone shall include a switch for low-frequency roll-off. The microphone shall be 14.53" (369.0 mm) long and 0.83" (21.0 mm) in diameter. The weight shall be 5.3 oz (150 g). Finish shall be low-reflectance matte.
The Audio-Technica AT835b is specified.

AT835ST
The microphone shall be a shotgun design with two independent fixed-charge condenser elements. Polar patterns shall be line-cardioid and figure-of-eight. Frequency response shall be 40 Hz to 20,000 Hz. It shall operate from an 11V to 52V DC phantom power source.

The microphone shall have a nominal open-circuit output of 31.6 mV (mid), 19.9 mV (side), and 15.8 mV (left/right stereo) at 1 kHz, 1 Pascal. It shall have an output impedance of 200 ohms and output shall be balanced. The microphone shall accept a 123 dB SPL (mid), 127 dB SPL (side), 126 dB SPL (left/right stereo) at 1 kHz while producing no greater than 1% T.H.D.

The microphone shall include a switch for low-frequency roll-off. It shall also include switch selection of non-matrixed M-S mode and two internally matrixed left/right stereo modes. The M-S mode shall provide independent Mid and Side signals. The two internally matrixed modes shall provide traditional "left-right"stereo with the choice of wide and narrow pickup patterns.

The microphone shall include a 24" (0.61 m) shielded cable with a five-pin TA5F input connector and two standard three-pin XLRM-type output connectors. Also included shall be a foam windscreen, a protective carrying case, and a stand clamp for 5/8"-27 threaded stands.

The microphone shall be 9.29" (236.0 mm) long and 0.83" (21.0 mm) in diameter. The weight shall be 3.6 oz (103 g). Finish shall be low-reflectance matte.
The Audio-Technica AT835ST is specified.

AT849
The microphone shall be a boundary design with two fixed-charge condenser cardioid elements in an X/Y stereo configuration. The stereo angle shall be 110°. The frequency response shall be 30 Hz to 20,000 Hz, and the microphone shall have a switch for selection of flat or low-roll-off response.

The microphone shall have a nominal open-circuit output voltage of 10.0 mV at 1 kHz, 1 Pascal. It shall have an output impedance of 200 ohms and output shall be balanced. It shall be powered from an external 9V to 52V DC phantom power source. The microphone shall accept a 137 dB SPL at 1 kHz while producing no greater than 1% T.H.D.

The microphone shall include a 25' (7.6 m) shielded cable with a five-pin TA5F input connector and two standard three-pin XLRM-type output connectors. The microphone shall have a maximum length of 3.62" (92.0 mm). Weight shall be 5.3 oz (149 g). The microphone shall be housed in a die-cast case with a two layer perforated steel grille. Finish shall be low-reflectance black.
The Audio-Technica AT849 is specified.

AT897
The microphone shall be a fixed-charge condenser with a line + gradient polar pattern and a frequency response of 20 Hz to 20,000 Hz. It shall be capable of operating from an external 11V to 52V DC phantom power source or, alternatively, from a 1.5V AA/UM3 battery.

Nominal open circuit output voltage shall be 10.0 mV (phantom)/8.9 mV (battery) at 1 kHz, 1 Pascal. The microphone shall have an output impedance of 200 ohms (phantom)/300 ohms (battery) and output shall be balanced. The microphone shall accept a 129 dB SPL (phantom)/115 dB SPL (battery) at 1 kHz while producing no greater than 1% T.H.D.

The microphone shall operate on the line + gradient principle to provide a narrow sound pickup acceptance angle. The microphone shall include a switch for low-frequency roll-off. The microphone shall be 10.98" (279.0 mm) long and 0.83" (21.0 mm) in diameter. The weight shall be 5.1 oz (145 g). Finish shall be low-reflectance matte.
The Audio-Technica AT897 is specified.

AT898
The microphone shall be a fixed-charge condenser with a cardioid polar pattern and a frequency response of 200 Hz to 15,000 Hz. It shall operate from an external 11V to 52V DC phantom power source or, alternatively, from a 1.5V AA/UM3 battery. Nominal open-circuit output voltage shall be 7.0 mV (phantom) or 5.0 mV (battery) at 1 kHz, 1 Pascal. Output with the AT8537 power module shall be low impedance balanced (200 ohms-phantom, 250 ohms-battery).

The microphone shall have a permanently attached 9.8' (3 m) miniature cable terminating in a TA3F connector. The output connector shall connect to a TB3M jack on the included power module. The power module shall house the battery, and contain an off/on/low-roll-off switch. The power module shall terminate in a 3-pin XLRM-type connector.

Each unit shall include three single and two double microphone holders that attach to the included clothing clip, viper clip, & magnetic mount bases. Two windscreens, and a cable clip shall also be included.

The microphone shall be 0.91" (23.0 mm) long and 0.21" (5.3 mm) in diameter. The microphone weight shall be 0.03 oz (0.9 g) without cable. Finish shall be low-reflectance black.
The Audio-Technica AT898 is specified.

AT899
The microphone shall be a fixed-charge condenser with an omnidirectional polar pattern and a frequency response of 20 Hz to 20,000 Hz. It shall operate from an external 11V to 52V DC phantom power source or, alternatively, from a 1.5V AA/UM3 battery. Nominal open-circuit output voltage shall be 7.0 mV (phantom) or 5.0 mV (battery) at 1 kHz, 1 Pascal. Output with the AT8537 power module shall be low impedance balanced (200 ohms-phantom, 250 ohms-battery).

The microphone shall have a permanently attached 9.8' (3 m) miniature cable terminating in a TA3F connector. The output connector shall connect to a TB3M jack on the included power module. The power module shall house the battery, and contain an off/on/low-roll-off switch. The power module shall terminate in a 3-pin XLRM-type connector.

Each unit shall include an accessory kit with three single and two double microphone holders that attach to the included clothing clip, viper clip, & magnetic mount bases. Two windscreens, two element covers and a cable clip shall also be included.

The microphone shall be 0.63" (16.0 mm) long and 0.20" (5.0 mm) in diameter. The microphone weight shall be 0.02 oz (0.5 g) without cable. Finish shall be low-reflectance black.
The Audio-Technica AT899 is specified.

AT4071a
The microphone shall have a frequency response of 30 Hz to 20,000 Hz. Its capacitor element shall be of a DC bias design and shall obtain its polarizing voltage and impedance converter power from an external 11V to 52V DC phantom power source. The microphone shall include a switch for low-frequency roll-off.

The microphone shall have a nominal open-circuit output voltage of 89.1 mV at 1 kHz, 1 Pascal. It shall have an output impedance of 100 ohms and output shall be balanced. The microphone shall accept a 124 dB SPL at 1 kHz while producing no greater than 1% T.H.D.

The microphone housing shall be of lightweight, turned structural grade aluminum alloy. The microphone shall have a diameter of 0.83" (21.0 mm), a length of 15.55" (395.0 mm) and a weight of 5.5 oz (155 g).
The Audio-Technica AT4071a is specified.

AT4073a
The microphone shall have a frequency response of 30 Hz to 20,000 Hz. Its capacitor element shall be of a DC bias design and shall obtain its polarizing voltage and impedance converter power from an external 11V to 52V DC phantom power source. The microphone shall include a switch for low-frequency roll-off.

The microphone shall have a nominal open-circuit output voltage of 70.8 mV at 1 kHz, 1 Pascal. It shall have an output impedance of 100 ohms and output shall be balanced. The microphone shall accept a 126 dB SPL at 1 kHz while producing no greater than 1% T.H.D.

The microphone housing shall be of lightweight, turned structural grade aluminum alloy. The microphone shall have a diameter of 0.83" (21.0 mm), a length of 9.13" (232.0 mm) and a weight of 4.0 oz (114 g).
The Audio-Technica AT4073a is specified.

MT830R
The microphone shall be a fixed-charge condenser with an omnidirectional polar pattern and a frequency response of 30 Hz to 20,000 Hz. It shall be capable of operating from an external 9V to 52V DC phantom power source. Nominal open-circuit output voltage shall be 19.9 mV at 1 kHz, 1 Pascal. Output with remote power module shall be low impedance balanced (200 ohms).

The microphone shall have a permanently attached 25' (7.6 m) cable between the microphone and remote power module. The remote power module shall terminate in a 3-pin XLRM-type connector.

The microphone shall be 0.62" (15.8 mm) long with a width of 0.33" (8.5 mm) and a thickness of 0.19" (5.0 mm). The microphone weight shall be 0.05 oz (1.3 g). Finish shall be low-reflectance black.
The Audio-Technica MT830R is specified.

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Artist Elite® *The new standard in live audio.* Extending the performance of today's sophisticated sound systems, Artist Elite microphones set a new standard in live audio. These Audio-Technica innovations provide exceptional sound quality and reliability at high-profile awards shows including the annual GRAMMY® Awards ceremony, MTV's Video Music Awards, and the Rock and Roll Hall of Fame Annual Induction Ceremonies.

SPECIFICATIONS LEGEND

† In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request.

* 1 Pascal = 10 dynes/cm^2 = 10 microbars = 94 dB SPL

[1] Typical, A-weighted, using Audio Precision System One.

[2] Measured at diaphragm.

** 11V to 52V DC phantom power is required on pins 2 and 3 of both XLR3M connectors. Wiring must be balanced throughout; all mic cables in the system must be wired consistently: Pin 1-to-Pin 1, etc. If connecting to unbalanced inputs, good-quality balanced line transformers must be used.

Specifications are subject to change without notice.

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