

REGISTER FOR YOUR 10 YEAR WARRANTY



Congratulations on your purchase of the Azden SGM-3500 or SGM-3500L Broadcast Spec Shotgun Microphone.

All Azden products come with a two (2) year limited warranty. The warranty for this microphone may be extended to ten (10) years.

To obtain your 10 year warranty, please register your microphone online at www.azden.com/warranty* within 90 days from the date of purchase.

*Azden's 10 year warranty is not available in all countries and not all Azden products are eligible. See www.azden.com for details.

Azden Two Year Limited Warranty

Azden Corporation warrants, to the first purchaser, that the Azden brand product purchased is free from defects in material and workmanship. Azden's sole obligation under this warranty shall be to provide, without charge, repair or replacement (at Azden's sole discretion), within two years from the date of purchase. A dated receipt is required to establish the date of purchase and no registration is necessary to receive warranty service under this two year limited warranty. The cost to ship a failed product to and from Azden or to its dealer shall not be covered by this warranty.

This warranty is the sole and exclusive express warranty given with respect to the product and all other warranties, expressed or implied, are hereby excluded. Neither Azden, nor the dealer who sells this product, is responsible for indirect, incidental or consequential damages.

This warranty does not extend to any defect, malfunction or failure caused by misuse, abuse, accident, act of God, faulty hookup, unauthorized modification, connecting this product to equipment for which this product is not intended or defective associated equipment.



SGM-3500 / SGM-3500L

Broadcast Spec Shotgun
Microphones



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PRODUCT MANUAL

Thank you for purchasing the SGM-3500 or SGM-3500L Broadcast Spec Shotgun Microphone. Designed for video and audio professionals, the SGM-3500 and 3500L microphones are condenser microphones with supercardioid and hypercardioid polar patterns, respectively, a wide frequency response and ultra-low noise levels. Each microphone is tested before leaving the factory and is accompanied by its own unique frequency response chart.

Microphone Output

The SGM-3500 and SGM-3500L microphones have a balanced 3-pin XLR output that is designed to work with a standard XLR microphone input. The contacts of this output are gold plated for optimal connectivity and resistance to corrosion. Any standard, balanced XLR microphone cable can be used for connecting this microphone to other equipment (sold separately).

Phantom Power

The SGM-3500 and SGM-3500L microphones require phantom power in order to work. Phantom power is a DC voltage supplied through a balanced microphone cable and used to power the electronics of the connected microphone. Most professional cameras, mixers and audio interfaces with microphone XLR preamps have the ability to supply phantom power. If the equipment you use does not, you will have to utilize a separate external phantom power supply.

Most commonly, phantom power is supplied at 48 V. This is the optimal voltage for the SGM-3500 and SGM-3500L microphones. It is possible that your connected equipment supplies a different voltage. This microphone is rated to work on a voltage between 44 and 52 V, however, performance will degrade with lower voltages and damage to the electronics could result when using voltages in excess of this range. It is recommended that you consult the manuals of any equipment you intend to use with this microphone beforehand. Please note that the warranty does not cover damage caused by using phantom power beyond what the microphone is rated for.

Microphone Clip

The included microphone clip is designed to fit either the SGM-3500 or SGM-3500L snugly, and has a 5/8" threaded hole on the bottom which will fit USA standard microphone boom poles. Also included is a thread adapter for fitting to boom poles with a 3/8" thread European standard pole. The clip can articulate to adjust for the proper angle when booming.

Accessories

Windshield (SGM-3500)



Windshield (SGM-3500L)



Hard shell case



Microphone Clip



CAUTION

Do not attempt to open the casing or make any modification to the internal electrical components. Electric shock or injury may result. Any unauthorized modification to this product will void all applicable warranties.

Do not store or operate this product near a heat source or in an environment of extreme temperatures. Avoid exposure to rain or any other source of moisture. Do not submerge in water. If exterior is exposed to water, wipe dry before use.

Please take the time to read this manual carefully and keep it for your reference.

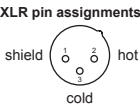
Features

The SGM-3500 and SGM-3500L microphones adhere to Azden's highest engineering and performance standards to satisfy the needs of even the most fastidious audio and video professionals.

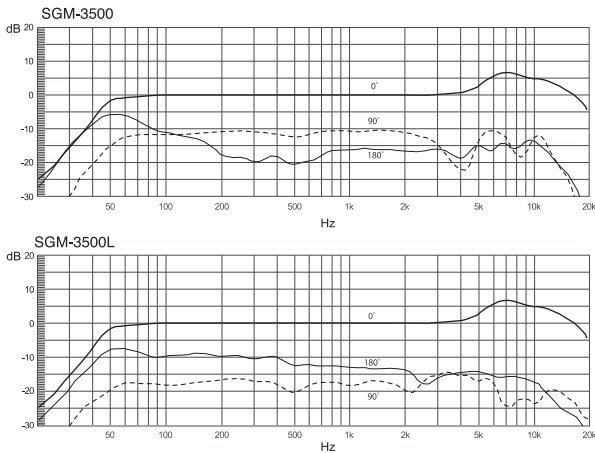
- SGM-3500: supercardioid polar pattern offers directional sound pickup with side noise rejection, achieved with short length interference tube for increased mobility
- SGM-3500L: longer interference tube creates hypercardioid polar pattern for more extreme directional sound pickup and side noise rejection, better isolation and distance performance
- Condenser microphone element utilizes Azden's latest in engineering techniques to achieve the highest possible performance
- Wide dynamic range and frequency response
- Boosted response in high frequencies for speech articulation
- Extremely low self-noise levels for crystal clear audio
- All metal, brass body provides optimal RF rejection and durability
- Gold-plated XLR connector for optimal connection and resistance to corrosion
- Comes with hard shell plastic case with custom foam, mic clip and high-density foam windscreen

Specifications

Mic Element:	Condenser
Freq. Response:	40 Hz – 20 kHz
Polar Pattern:	3500: Supercardioid 3500L: Hypercardioid
Sensitivity:	3500: -31 dB 3500L: -28 dB at 1 kHz (0 dB = 1 V/Pa)
Dynamic Range:	118 dB
Impedance:	120 Ω (at 1 kHz)
Max Input SPL:	130 dB SPL (1 kHz at 1% T.H.D.)
S/N Ratio:	82 dB (1 kHz at 1 Pa)
Power Requirement:	48 V DC Phantom (±4 V)
Connector:	3-pin XLR
Dimensions:	3500: 180 mm x φ19 mm (7.08" x φ0.75") 3500L: 247 mm x φ19 mm (9.72" x φ0.75")
Weight:	3500: 140 g (5.0 oz) 3500L: 170 g (6.0 oz)
Accessories:	hard shell case, mic clip, windscreen



Frequency Response



Polar Pattern

