

SGM-250LX

Professional Compact Cinema Microphone with Low Profile XLR Connector

Thank you for choosing Azden products.
Before you start using this product, please thoroughly read this manual.
This manual should be kept for future reference.



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.

REMOVE BATTERIES BEFORE STORING THIS MICROPHONE FOR AN EXTENDED PERIOD OF TIME. OLD ALKALINE BATTERIES HAVE THE POTENTIAL TO LEAK AND CAUSE DAMAGE TO THE INTERNAL COMPONENTS OF THE MICROPHONE. ADDITIONALLY, BATTERY ACID CAN BE HARMFUL IF CONTACT IS MADE WITH THE SKIN OR EYES; IF THIS HAPPENS, WASH WITH WATER IMMEDIATELY. USE CAUTION WHEN HANDLING DISCHARGED BATTERIES.

PLEASE TAKE THE TIME TO READ THIS MANUAL CAREFULLY AND KEEP IT FOR YOUR REFERENCE.

Safety Caution

- Do not take apart the microphone or modify it in any way. Doing so will void the warranty and could potentially cause fire or injury.
- Do not store or operate the microphone in environments of extreme temperature or near a heat source.
- Do not store or operate the microphone where it may be exposed to rain or any other source of moisture.

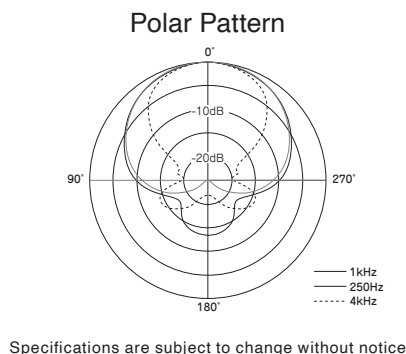
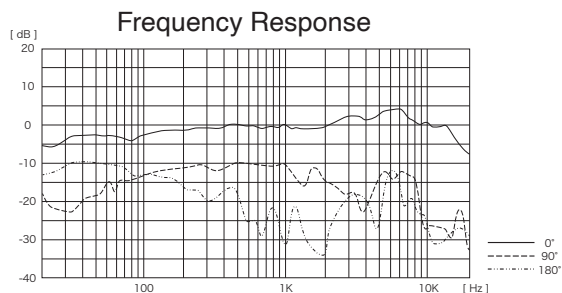
Product Highlights

SGM-250LX is the industry's first phantom 48V model with a special Low Profile XLR connector and cable of the optimum length for easy handling. This special Low Profile connector has a shorter protrusion from the jack by approximately 35mm compared to a normal straight XLR connector. When attached to a professional digital video camera or small digital cinema camera, the protrusion of the connector and cable is minimized, improving not only ease of handling but also ease of storage.

- ◇ A phantom 48V compatible model with approx. 200mm XLR cable.
- ◇ The Low Profile connector makes the protrusion from the jack approximately 35mm shorter than conventional model, improving ease of storage in a camera bag.
- ◇ The compact and highly robust aluminum acoustic tube with a length of approximately 150mm is adopted.
- ◇ The new ECM microphone unit developed by our company is equipped to realize natural and high quality sound with sharp directivity and low noise.

Specifications

Type:	Electret Condenser
Freq. Resp.:	20Hz – 20,000Hz
Polar Pattern:	Super-cardioid
Sensitivity:	-33dB at 1kHz (0dB = 1V/Pa)
Dynamic Range:	112dB
Impedance:	100Ω (at 1kHz)
Max Input SPL:	130dB SPL (1kHz at 1% T.H.D.)
S/N Ratio:	76dB (1kHz at 1Pa)
Power Consumption:	5mA
Power Req.:	DC 11- 50V (Phantom)
Connector:	3-pin Low Profile XLR
Dimensions:	φ21mm×153mm (0.83"×6.02")
Cable:	φ5mm x 200mm
Weight:	120g (4.23oz)
Accessories:	Windscreen, Mic Spacer



The Azden SGM-250LX is a professional shotgun microphone designed for broadcast, news gathering and film making applications.

The SGM-250LX boasts all the same features and sound quality performance as the SGM-250 model.

Power

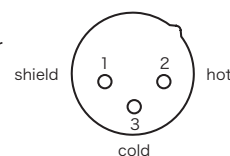
Phantom power is a DC voltage supplied through a balanced microphone cable and used to power the electronics of the connected microphone. Most professional cameras, mixers and audio interfaces with microphone XLR pre amps have the ability to supply phantom power. If the equipment you use does not, you will have to utilize a separate external phantom power supply.

Most commonly, phantom power is supplied at 48V. This is the optimum voltage for the SGM-250LX. It is possible that your connecting equipment supplies a different voltage. The SGM-250LX is rated to work on a voltage between 11 and 50V, 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 the microphone beforehand. Please note that the warranty does not cover damage caused by using phantom power beyond what the microphone is rated for.

◆XLR output pin assignments

Balance type 3-pin Low Profile XLR Connector

Note: Altering the exit angle will void the warranty.



◆Windscreen

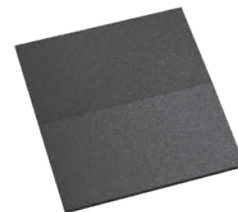
Used when wind noise is picked up during outdoor use due to wind



High Quality Form Windscreen

◆Mic Spacer

Diameter expander sheets are included to accommodate some camera's clamp-type microphone holders in larger diameters.



REGISTER FOR YOUR 10 YEAR WARRANTY

Congratulations on your purchase of the Azden SGM-250LX Professional Shotgun Microphone.



All Azden products come with a two (2) year limited warranty. The warranty for the SGM-250LX may be extended to ten (10) years.

To obtain your 10 year warranty, please register your microphone online at www.azden.com/warranty* within 30 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.



<https://www.azden.co.jp/en/contact/provision/>

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