Super-Cardioid Polar Pattern

- —— 1KHz
- – – – 250Hz
- ······ 4KHz
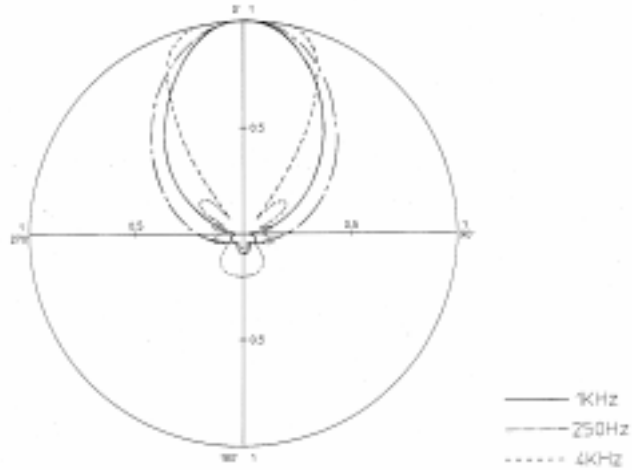
AZDEN®
CORPORATION

SGM-2X

INSTRUCTIONS

DUAL-BARREL
PROFESSIONAL SHOTGUN MICROPHONE

Thank you for purchasing the Azden SGM-2X microphone. Designed for Video and Audio Professionals, the SGM-2X comes with 2 barrels that effectively change the pick-up pattern of the microphone. With the short barrel the SGM-2X works as a sensitive omni-directional microphone. By attaching the supplied long barrel the SGM-2X becomes a directional super-cardioid shotgun microphone. In either configuration the SGM-2X exhibits a wide frequency response and low noise levels.

BATTERY:
The SGM-2X is powered by 1 "AAA" battery (not included). Unscrew the lower half of the short barrel case just below the "Power" switch by turning it counter-clockwise. Install 1 fresh "AAA" Alkaline battery, making sure to check polarity, and close the case by turning it clockwise. DO NOT OVER-TIGHTEN or you may strip the threads.

MICROPHONE BARRELS:
Two microphone barrels and windscreens are supplied with the SGM-2X. The SHORT barrel has a wide omni-directional pick-up pattern. By attaching the LONG barrel to the SHORT barrel the microphone has a super-cardioid pick-up pattern. This narrow or directional pattern rejects side and back noise and lets you focus in on your subject. In either configuration use the appropriate windscreen for best results.

NOTE:
A CAPSULE COVER is attached to the SHORT barrel before shipping. This CAPSULE COVER should be attached to the SHORT barrel when using the SGM-2X as an omni-directional microphone. To use the SGM-2X as a shotgun microphone, first remove the CAPSULE COVER from the SHORT barrel by turning it counter-clockwise until it comes off, then attach the LONG barrel to the SHORT barrel turning it clockwise until tight. DO NOT OVER-TIGHTEN.

SHOCK-MOUNT HOLDER:
The SGM-2X is supplied with a shock-mount holder. This holder can be used on a camera shoe or on a microphone stand. Push the SHORT barrel through the center of the elastic bands until it is positioned as shown. To secure the holder to a camera shoe, slide the holder into the camera shoe and tighten the thumbwheel by turning it clockwise. To secure the holder to a microphone stand, screw the holder to the stand by turning it clockwise until it is tight.

NOTE: Two holes are drilled into the bottom of the holder for different diameter microphone stand threads, choose the one that matches your mic stand.

POWER SWITCH:
The SGM-2X has a 3-position power switch.
OFF: Switch the microphone to OFF when not in use to conserve battery life.
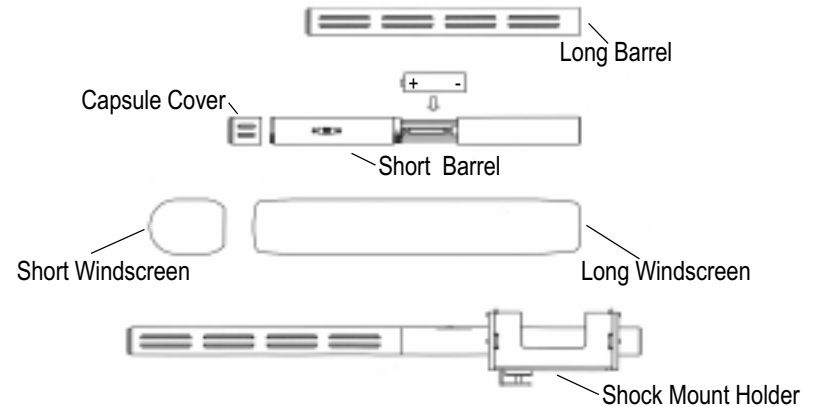ON: Switch the microphone to ON for normal operation.
⌐: Switch to the LOW CUT position to reduce low frequencies and increase clarity.

MIC OUTPUT:
The SGM-2X has a balanced XLR output and will work in any low impedance microphone input of 1K ohm or less. This includes balanced XLR or unbalanced ¼" and 3.5mm microphone inputs. Due to the wide variety of possible connections and equipment used with the SGM-2X, an output cable is not supplied.

WIRELESS OPTIONS:
You can turn the SGM-2X into a wireless microphone by purchasing one of Azden's unique XLR plug-in transmitters and matching receiver. For more details contact your Azden dealer or one of the dealers linked at our website: www.azdencorp.com

Long Barrel

Capsule Cover

Short Barrel

Short Windscreen

Long Windscreen

Shock Mount Holder

SPECIFICATIONS:

FREQUENCY RESPONSE	40-20,000Hz
LOW-CUT ROLL-OFF	6dB/Octave @ 200Hz
SENSITIVITY	SUPER CARDIOID -39dB re 1V/Pa
	OMNI-DIRECTIONAL -45dB re 1V/Pa
IMPEDANCE	680 Ohms @ 1KHz
MAX. SPL INPUT LEVEL	110dB
SIGNAL TO NOISE RATIO	70dB
DYNAMIC RANGE	85dB
BATTERY TYPE	AAA (1.5V) - USE ALKALINE BATTERY
BATTERY CURRENT	0.2 mA
BATTERY LIFE	1000 HOURS w/ALKALINE BATTERY
WEIGHT w/o BATTERY	LONG + SHORT BARREL 6.5oz (185grams)
	SHORT BARREL 3.9oz (110grams)
DIMENSIONS	LONG + SHORT BARREL …….. 16" (400mm) length
	…….. 0.83" (21mm) diameter
	SHORT BARREL ……………… 8.4" (212.5mm) length
	……………… 0.83" (21mm) diameter
OUTPUT TYPE	3-Pin XLR type
SUPPLIED ACCESSORIES	SHOCK MOUNT MIC HOLDER
	2 WINDSCREENS