

# Apex250

## Owner's Manual

The active element of any ribbon microphone is a very thin corrugated aluminum ribbon mounted under low tension between the poles of a strong magnet. The low-tension 2-micron thick aluminum ribbon used in the Apex250 offers audio reproduction with smooth, natural, extended low and high frequency response, yet handles extremely fast

transients accurately.

Although ribbon microphones are by their nature extremely fragile, the Apex250 can handle high sound pressure levels approaching 148dB range.

## Using the Apex250

For best results always use the supplied shockmount when using the Apex250. A ribbon microphone delivers a slightly lower output level than can be expected from a typical dynamic or condenser microphone in most applications. This is normal for any ribbon microphone including the Apex250. Simply increase input gain at your preamp or mixer to ensure the Apex250 has ample input level for your application.

With any ribbon mic, it is best to keep the sound source directly aimed at the windscreen, keeping the capsule approximately six inches away to avoid air overloading the ribbon and to minimize distortion. A good pop filter is also recommended for all vocal applications.

The asymmetrical figure-8 pickup pattern has an extended sweet spot on the rear face of the microphone allowing the recording to accurately reproduce the natural space and ambient reverberation of a good sounding live room.

Phantom Power is **NOT** required or recommended for any ribbon microphone, including the Apex250.

Apex250 has an effective integrated circuit to protect the fragile ribbon element from accidental exposure to phantom power sources; however it is wise to avoid subjecting any ribbon mic to phantom power, as this may irreparably damage the ribbon element. It is best to exercise caution when phantom power is present, and where possible ensure phantom power is not active on channels strips or microphone preamps where the Apex250 is connected.

***The Apex250 should always be stored upright in the carrying case when the microphone is not in use to prolong life and preserve performance of the ribbon capsule.***

## Features

- Classic Ribbon Microphone Design
- Rugged Heavy Duty Chassis and All-Metal Windscreen
- Full Figure-8 Polar Pattern
- Wide Dynamic Range with Extended Low Frequency Response
- Includes Aluminum Carrying Case and Microphone Shockmount

## Specifications

Polar pattern:	Figure-8
Sensitivity:	-54dB $\pm$ 2dB (0dB=1V/Pa)
Frequency Response:	30Hz to 15kHz
Impedance:	<600 Ohms
Recommended load impedance:	>3000 Ohms
Max. SPL	148dB (1% THD@1000Hz):
Equivalent Noise	18dB IEC 268-4 (A weighted)
Connection:	Standard 3-pin XLR-M
Dimensions (in):	2.25 x 7.9
Dimensions (mm):	58x200
Net Weight (oz/g):	15/420

