



860



MXL[®]
860
Ribbon

Marshall Electronics
Professional Audio Division

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Side Address Ribbon Microphone

Thank you for purchasing the **MXL 860** side address ribbon microphone. With proper care, this mic will provide many years of satisfaction. For best results, please take a few moments to review this literature.

Enjoy your microphone!

The MXL Team

General Characteristics

The MXL 860 uses an aluminum ribbon transducer which by nature is a bidirectional (figure-8) pickup pattern. A figure-8 pattern will pick up sounds from the front and back sides of the microphone with equal sensitivity while maintaining a large amount of rejection 90° off axis. The front of the microphone is indicated by the MXL logo where the audio signal is "in-phase" while the back side has an inverted phase. Ribbon mics typically have a lower output than condenser microphones and may require a preamplifier with a lot of gain. It is highly recommended to use a preamp with low noise, high gain, and an input impedance of 1500 ohms or greater. We strongly advise experimentation with placement and isolation requirements with the gain initially set low to avoid possible equipment (and hearing) damage.

Shockmount

The high isolation shockmount may shift during shipping. Simply shift the elastic bands to center the microphone in the assembly. Be sure that the wire clamp does not rest on the chassis of the mount, as this impairs mechanical isolation. Slide the shockmount up the body of the microphone and stop just below the grill for the most secure hold.

Contents

Unpack your MXL 860 microphone carefully and verify that all of the following items are included:

- MXL 860 microphone
- Shockmount
- microfiber cleaning cloth

If any of these items are missing or damaged, contact the company from which you purchased the microphone.

Power Requirement

IMPORTANT! This microphone does NOT require a power supply. Use of phantom power with this microphone is NOT recommended as it can severely damage the ribbon element and cause the microphone to be unusable.

Microphone Cable

This microphone connects to a mixer or preamp via XLR cable (not included). The microphone cable can have a profound effect on the sound of any microphone. Even the finest microphones will sound poor if the interconnect cable allows noise to enter, or causes distortion and loss of

information. Use only the best microphone cable your budget will allow. We recommend Mogami cable for the best results.

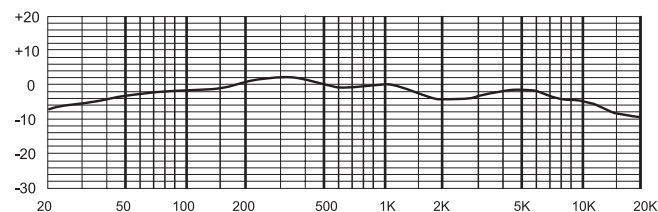
Care

Dust and foreign material can degrade the performance of a microphone over time so always store the unit in its case. For vocals closer than 3", use a pop filter or a foam windscreen to avoid getting moisture on the diaphragm as this can substantially degrade the microphone's performance. Store the microphone in its original packaging in a cool, dry place along with the included packet of silica gel. These steps will help keep the mic in proper working order and sounding its best for many years to come.

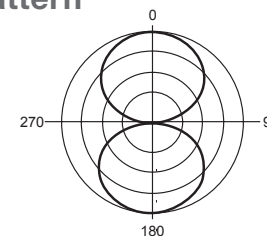
Specifications

Type	Ribbon Velocity Microphone
Ribbon Element	1.8-micron aluminum ribbon
Ribbon Length	47mm
Frequency Range	20 Hz – 17 kHz
Polar Pattern	Figure 8
Sensitivity	-56 dB re 1V/Pa
Impedance	250 Ω
Rated Load Impedance	>1500 Ohms
Max SPL for .5% THD	>130 dB @1 kHz
Weight	0.55 lbs
Size	37mm x 160mm (1.46" x 6.30")
Metal Finish	Silver

Frequency Chart



Polar Pattern



Warranty

Marshall microphones are guaranteed against defects in material and workmanship for one year from the date of purchase. Should you encounter any problem with this unit, promptly contact the company you purchased it from for assistance. The original dated sales receipt will be necessary for any warranty claim. Do not send any unit directly to us without prior authorization from our service department. Warranty coverage is limited to repair or replacement (at our option) of the microphone, and does not cover incidental damages due to use of this unit, nor damage caused by accidental misuse of this product.

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