



# FR-304

## Shotgun Microphone

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Thank you for purchasing the MXL FR-304 shotgun microphone. With proper care, this microphone will provide many years of satisfaction. For best results, please take a few moments to review this literature.

### General Characteristics

The MXL FR Series shotgun microphones have been designed with high quality FET pre-amps, to ensure outstanding audio quality under even the most demanding conditions. The microphones body is precision made from high quality Aluminum for durability as well as audio quality. The MXL FR-304 shotgun microphone can operate from either phantom power. (48V +/- 5V) or via an internal AA battery which will provide power for up to 160 hours.

To insert or replace the internal battery, turn the base of the microphone counterclockwise to unscrew. Slide the cover down to reveal the battery compartment. (The cover will not come off the end, do not try to force it or damage may occur.) Insert the battery as per the sticker inside the battery compartment. We recommend removing the battery when the microphone is not in use.

The FR-304 also features a 3 position switch with settings for Bat, Mute, and 48V. When operating from phantom power, ensure the switch is set to the 48v position. When operating from battery power, ensure the switch is in the Bat position. The Mute position is off, as well as muting the output. When operating from battery power a red LED will flash indicating that the microphone is receiving power from the battery.

If for any reason you get no sound from your FR-304 microphone, check that phantom power is being correctly supplied, or that the battery has not become exhausted. In addition, check the cable between the microphone and camera.

Your MXL FR-304 shotgun microphone is supplied complete with the HSM-01 hot shoe mount to enable ease of mounting on most video cameras. In addition, a foam windscreen is provided for use in windy environments.

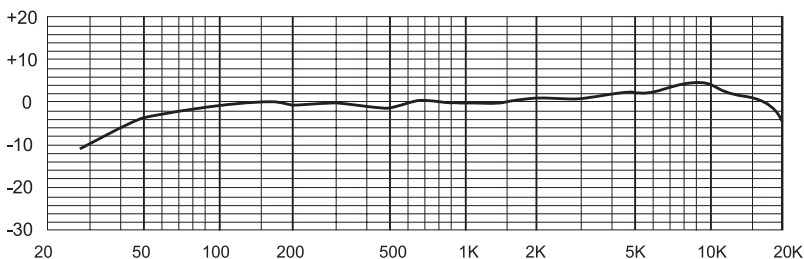
### Microphone Cables

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 using Mogami® brand cable.

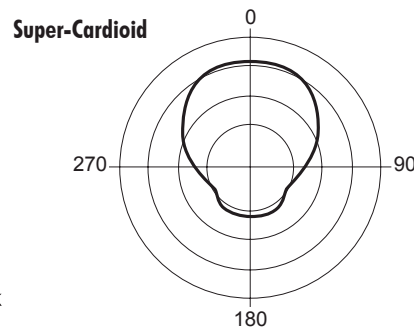
### Care

Dust and foreign material can degrade the performance of a microphone over time so always store the unit in a warm dry place. Remove fingerprints from the exterior with a clean soft cloth.

### Frequency Response



### Polar Pattern



### Warranty

Marshall microphones are guaranteed against defects in material and workmanship for ONE year from 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.