

## Warranty

MXL microphones are guaranteed against defects in materials and workmanship for one year from the date of purchase. If you encounter any problem with this unit, promptly contact the company from which you purchased it 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.



# 550/551



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Microphone

Ensemble

# 550/551

## Microphone Ensemble

**Thank you** for choosing the MXL 550/551 Recording Ensemble. For best results, please take a few moments to read this manual and familiarize yourself with proper operation and care of your microphone.

### General Characteristics

These microphones have gold-sputtered diaphragms and a fixed cardioid pickup pattern. Condenser microphones are very sensitive, readily revealing very subtle sonic details. They also tend to pick up sounds outside the pattern more than some designs, which can lead to powerful feedback if you are not careful. We strongly advise experimentation with placement and isolation requirements with the gain initially set low to avoid equipment (and ear) damage. It is strongly advised to use a mesh pop-filter to avoid moisture from damaging the capsule.

### Contents

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

- MXL 550 mic
- MXL 551R mic
- Hard Mount Instrument Mic Adapter
- Rugged Carrying Case
- Hard Mount Mic Stand Adapter

### Power Requirements

**IMPORTANT** - These units require phantom power at 48 volts, +/- 4 volts. Each unit has been thoroughly checked before shipping, so if you do not hear sound, check that the phantom power on your mixer or separate power supply is switched on!

### Microphone Cables

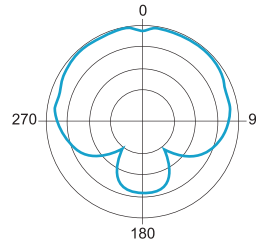
Your microphone cable can have a profound effect on the sound of any microphone. Even the finest microphones will sound poor if the interconnect cable allows noise to enter, or causes distortion and loss of information. We highly recommend the Mogami® Cable supplied with the microphone.

### Care

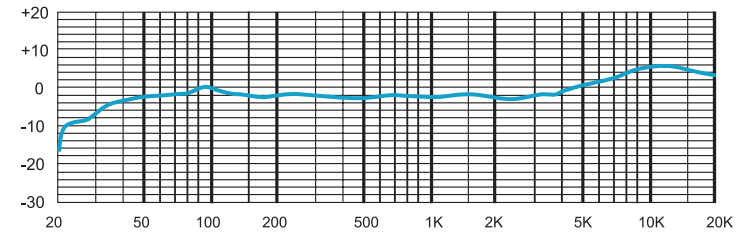
Dust and foreign material can degrade the performance of a microphone over time, so always store the unit in its box. For vocals closer than 3", use a pop filter or a foam windscreen to avoid getting moisture on the diaphragm as this can substantially degrade the microphone's performance. Store the microphone in its original packaging in a cool, dry place along with the included packet of silica gel.

# 550/551 Technical Specifications

### Polar Pattern



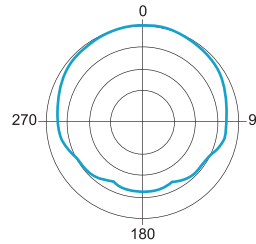
### Frequency Chart



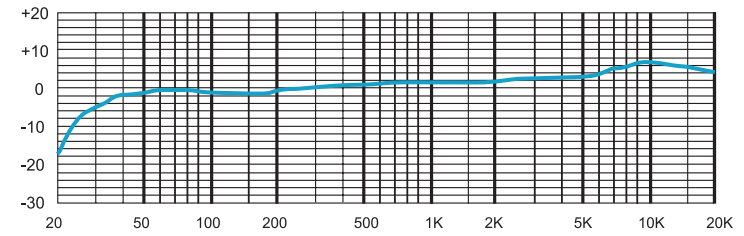
## 550

**Type:** ..... Pressure gradient condenser microphone  
**Frequency Range:** ..... 30 Hz – 20 kHz  
**Polar Pattern:** ..... Cardioid  
**Sensitivity:** ..... 15mV/Pa  
**Impedance:** ..... 200Ω  
**S/N Ratio:** ..... 80dB (Ref. 1Pa A-weighted)  
**Equivalent Noise Level:** ..... 20dB (A weighted IEC 268-4)  
**Max SPL for 0.5% THD:** ..... 130dB  
**Power Requirements:** ..... 48V Phantom Power (+/- 4V)  
**Current Consumption:** ..... <3.0mA  
**Size:** ..... 47mm x 170mm  
**Weight:** ..... 0.8 lbs  
**Metal Finish:** ..... Red with chrome grill

### Polar Pattern



### Frequency Chart



## 551

**Type:** ..... Pressure gradient condenser microphone  
**Frequency Range:** ..... 30 Hz – 20 kHz  
**Polar Pattern:** ..... Cardioid  
**Sensitivity:** ..... 15mV/Pa  
**Impedance:** ..... 110Ω  
**S/N Ratio:** ..... 78dB (Ref. 1Pa A-weighted)  
**Equivalent Noise Level:** ..... 20dB (A weighted IEC 268-4)  
**Max SPL for 0.5% THD:** ..... 137dB  
**Power Requirements:** ..... 48V Phantom Power (+/- 4V)  
**Current Consumption:** ..... <3.0mA  
**Size:** ..... 22mm x 134mm  
**Weight:** ..... 0.2 lbs  
**Metal Finish:** ..... Red with chrome grill