

RE510
Hand Held
Condenser Microphone



Key Features:

- **5/8" diameter self biased condenser capsule offers the warmth of a larger capsule design without sacrificing off-axis performance or transient response.**
- **Low-frequency roll-off switch enables tailoring of low-frequency response to meet application requirements.**
- **Supercardioid polar pattern for superior feedback rejection and acoustic isolation.**
- **Modern high-speed electronic design for extremely low distortion, and outstanding transient response.**
- **High current differential output stage can drive long microphone cables without loss of performance.**
- **Warm Grip handle for more comfortable feel.**
- **Multistage pop filter eliminates breath pop noises**



General Description:

The RE510 is a professional quality hand-held condenser microphone that was designed especially for vocalists. The RE510 features a 5/8" diameter capsule, advanced electronic design, and best of all, a sound that will enhance any vocal performance.

The high frequency response of the RE510 has been designed to provide just the right amount of definition and "air" without the stridency so common in other condenser vocal microphones.

The low frequency response of the RE510 in combination with the low frequency selector switch provides versatility that was designed to be truly useful. With the low frequency selector switch in the rolled off position, the low end of the RE510 is tailored to compensate for proximity effect and provides full, clean sound without muddiness. When increased low-end is desired, placing the low frequency selector switch in the flat position adds just enough warmth to be noticeable, but not overbearing.

The wide bandwidth, high SPL handling capability, and low frequency selector switch of the RE510 also make it a versatile instrument microphone for most any application.

The low frequency selector switch is securely located beneath the ball screen and can't be changed inadvertently. (See figure 4)

Technical Specifications:



Generating Element:	Self-Biased Condenser
Frequency Response:	40 to 20,000 Hz
Polar Pattern:	Supercardioid
Sensitivity, Open Circuit Voltage, 1 KHz :	-52 dBV/Pa (2.5 mV)
Output Impedance:	250 ohms
Clipping Level, 1 KHz :	+2 dBV
Maximum SPL, 1 KHz:	146 dB SPL (1% THD)
Self-Noise:	22 dBA
Dynamic Range, (Maximum SPL to A Weighted noise level):	124 dB
Signal-to-Noise Ratio:	72 dB (@ 94 dB SPL)
Polarity:	Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3
Power:	Phantom Supply Requirement : 48 Vdc, positive at pins 2 & 3 Current Drain: Up to 10 Ma.,
Dimensions:	Length = 7.15" (182 mm) Diameter = 2.0" (51 mm) Shank = 0.80: (20 mm)
Weight:	9.2 oz. (260 g)
Accessories Included:	Stand Adaptor (Black) Soft zippered "gig" bag

¹ Maximum, SPL to A Weighted Noise Level

Figure 1

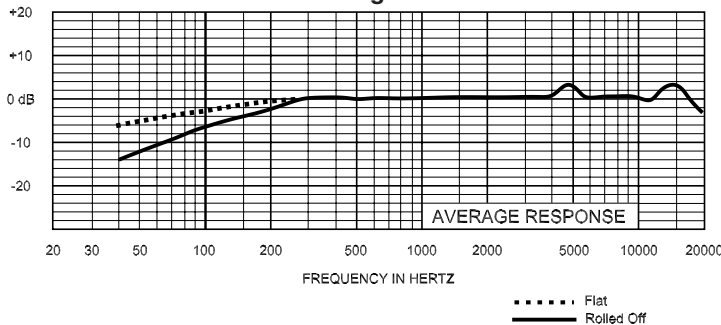


Figure 2

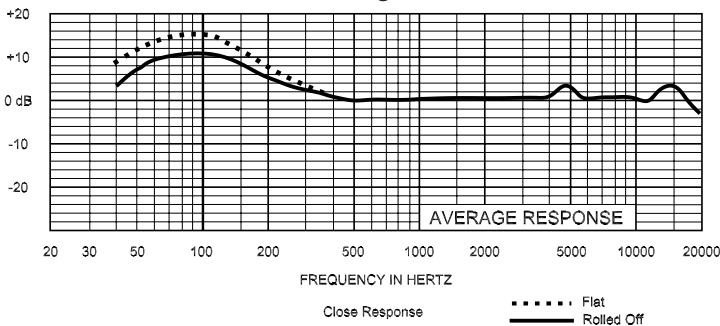


Figure 3

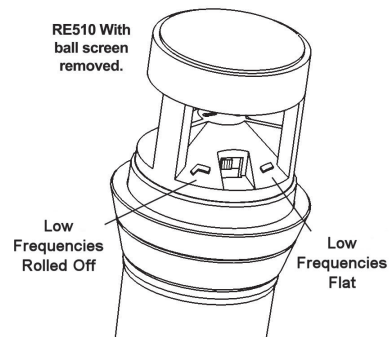
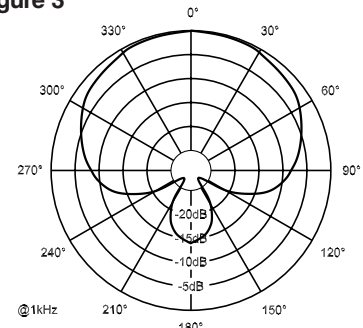


Figure 4

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Part Number 38110-130 Rev B

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Specifications subject to change without notice.