

RE500

Electro-Voice®
True Condenser Microphone



Studio-Quality Vocals Now on Stage

Because you want your PA to sound like a studio reference monitor, you need the Electro-Voice RE500 to make the vocals sound like they did in the studio.

The RE500 can do this because its handheld design houses a "true-condenser" element. We gave it high sensitivity, so you can reduce the gain of the console for a dramatically improved noise floor.

An extremely smooth polar response provides excellent gain-before-feedback without off-axis coloration. It's simply a matter of physics really; the smoother the response, the fewer peaks there are to excite the monitors.

The mid-sized capsule design captures the lows and low-mids more accurately than small element designs, but maintains the articulation needed to help vocals cut through the mix.



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What true-condensers give that electret designs can't.

Electret and "true-condenser," are often confused, but there is a significant difference, not only in the design but also in the performance. Our RE-series condenser mics are based on a "true-condenser" transducer because of its superior stability and performance characteristics. Unlike the electret, the "true-condenser" is not permanently charged. External circuitry produces the polarization voltage necessary for the element. The charge not only provides more consistent performance, it also stabilizes the sensitivity and signal-to-noise. This makes the element much less susceptible to temperature and humidity variations.

Internally, the RE500 combines the "true-condenser" element with a dc-dc converter that regulates the various phantom power voltages available from different consoles, again, guaranteeing reliable performance. Its internal AcoustiDYM™ shock mount protects the element in case it goes stage diving.

Externally, the warm-grip handle minimizes handling noise, while giving the RE500 an extremely comfortable gripping surface. The silver grill-screen houses a three-stage blast filter to combat P-pops and wind noise.

Like all Electro-Voice microphones, the RE500 is built to provide you with years of trouble-free use. Our two-year unconditional/limited lifetime warranty is a testament to its extraordinary engineering and construction.

For more information on the benefits of "true-condenser" design, contact EV for the True-Condenser Supplement of the Electro-Voice PA Bible.

RE500 SPECIFICATIONS

Generating Element:
True condenser (externally biased)

Frequency Response:
80-18,000 Hz

Polar Pattern:
Cardioid

Open-Circuit Sensitivity:
10 mV/pascal

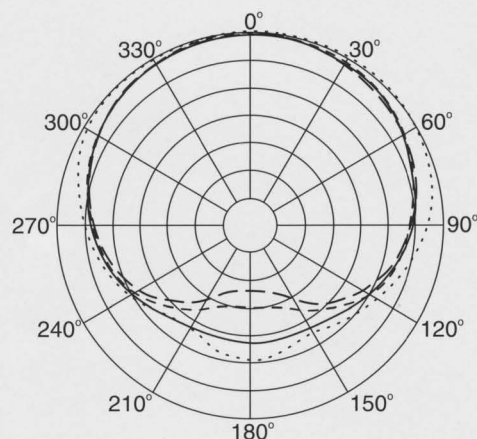
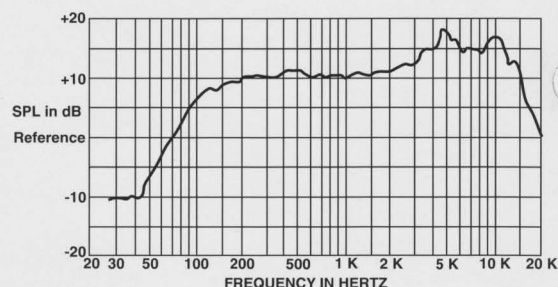
Dynamic Range:
128 dB

Power Requirements:
12 - 52 V dc phantom supply

Finish:
Non-reflective black micomatte

Dimensions,
Diameter: 47 mm (1.84 in.)
Length: 166 mm (6.52 in.)
Shank: 20 mm (0.80 in.)

Net Weight:
225 g (8.0 oz)



Electro-Voice®

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