

RE1000

ElectroVoice®

True Condenser Studio Microphone



ElectroVoice®

SPECIFICATIONS

Generating Element:
True condenser (externally biased)

Frequency Response (see Figure 1):
70 - 18,000 Hz

Polar Pattern (see Figure 2):
Supercardioid

Sensitivity,
Open Circuit Voltage, 1 kHz:
11 mV/pascal

Power Level, 1 kHz
(0 dB = 1 mW/pascal):
-39 dB

Equivalent Noise:
≤14 dB SPL, A weighted
(0 dB = 20 micropascals)

Impedance:
250 ohms, balanced

Maximum SPL (1% distortion, 1 kHz):
130 dB

Power Requirements:
12-48 Vdc phantom

Switchable Low-Frequency Roll-Off,
Corner Frequency:

130 Hz

Slope:
12 dB per octave

Polarity (see Figure 2):
Pin 2 positive, referenced to pin 3, with
positive pressure on the diaphragm

Output Device:
Transformerless

Finish:
Low-gloss black texture

Accessories Included:
Hard-shell case
Stand adapter

Optional Accessories:
Wind Tech™ model 20/421 external
Windscreen*
Shock-mount system model 325

Dimensions (microphone alone,
see Figure 3),

Height:
205 mm (8.07 in.)

Maximum Width:
62 mm (2.44 in.)

Maximum Depth:
43 mm (1.69 in.)

Net Weight,
Microphone:
0.40 kg (14.1 oz)

Shipping Weight:
1.2 kg (42.3 oz)

*Wind Tech™ is an Olsen Audio Group, Inc., company. The 20/421 windscreens can be purchased separately from Wind Tech™ at (602) 998-7140 or by fax at (602) 998-7192.

Electro-Voice® wired microphones are guaranteed against malfunction from any cause for two (2) years from the date of original purchase. In addition, the Limited Warranty for the acoustic system contained in these microphones shall apply for the life of the product, defined as a period of ten (10) years from the date that the manufacture of the specific microphone has been discontinued. Any and all active electronics incorporated in these microphones are guaranteed against malfunction due to defects in materials or workmanship for a period of three (3) years from the date of original purchase. The Limited Warranty does not extend to cables, cable connectors, or switches. Additional details are included in the Uniform Limited Warranty statement.

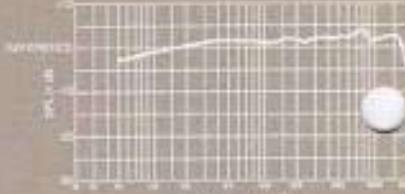


Figure 1:

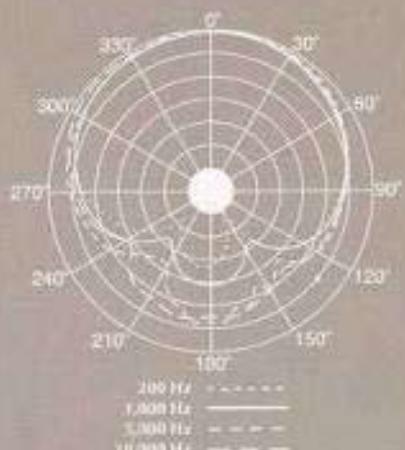


Figure 2:



Figure 3:

Electro-Voice® a MARK IV company

600 Cicch Street, Buchanan, Michigan 49107, Phone (616) 655-5831 (800) 294-5831, Fax: (616) 655-1354
Mark IV Audio Concepts, Inc., 345 Hwy 201, Guelph, Ontario, Canada N1G 2R1, Phone (613) 823-2141, Fax (613) 823-7466
Mark IV Audio, AG, Kehnstrasse 5, CH-2562 FISCHACH, Switzerland, Phone (011) 41/52 51-6833, Fax (011) 41/52 51-1221
Mark IV Audio Japan, Ltd., 2-5-60 Inami, Sugamo-ku, Tokyo, Japan 168, Phone (03) 3325-7800, Fax (03) 3325-7769
Mark IV Audio (Asia) Pty. Ltd., Unit 24, Block C, Steggs Business Park, Steggs Ave., Sevenoaks, NSW 2141, Australia, Phone (011) 612-648-5405, Fax (011) 612-648-5555
Mark IV Audio Hong Kong, Unit E & F, 21/F., Lai Chi Industrial Rd., 11 Luk Hei St., San Po Kong, Kowloon, Hong Kong, Phone (011) 5562351-3028, Fax (011) 5562351-3329

©Electro-Voice, Inc. 1986 • Litho in U.S.A. • Part Number 533312

True Condenser Design

The RE1000, in the footsteps of the highly acclaimed RE2000, is an externally-biased, high-voltage, "true" condenser microphone. A true condenser design offers greater dynamic range and much lower self-noise than the electret transducer found in most condenser microphones. More accurate source reproduction is the result.

Thanks to its exceptional electronics package and true condenser design, the RE1000 has a self-noise floor of less than 14 dB; that's up to 10 dB lower than other competitive studio condenser mics, improving the quality of your critical recordings.

Attention to Detail

The RE1000's output is highly detailed with just the perfect amount of warmth, thanks to its innovative transducer design. The size of the diaphragm was carefully chosen to combine the high output of a large diaphragm with the superior transient response and excellent pattern control of a smaller unit. The diaphragm is an ultra-thin, low-mass, gold laminate that is environmentally stable and has low stray capacitance. The transducer's ceramic

backplate and special assembly design ensures very low unit-to-unit variability, making matched pairs unnecessary.

Its special, transformerless output circuitry minimizes low-frequency distortion and hum susceptibility. The efficient dc-to-dc converter delivers maximum performance with as little as 12 volts of phantom power.

A low-frequency roll-off switch engages a 12-dB-per-octave filter at 130 Hz. This is especially useful with instruments whose tonal nuances might be masked when closely miked.

World-Class Quality and Value

The RE1000 is 100% American made, built in our ISO 9002-certified, world-class-quality Sevierville, Tennessee factory in a

surgical, clean-room environment. Each carefully hand-assembled unit undergoes a battery of tests to ensure it exceeds both its specifications and your expectations.

We invite you to compare the RE1000 with mics costing significantly more. You'll find its performance a revelation, its quality impeccable and its price a bargain.



Electro-Voice



Switchable 130 Hz
Low-Frequency
Roll-Off



Standard
Swivel Mount
Stand Adapter



Optional Shock Mount
Model 325



The Electro-Voice RE1000 is a monumental breakthrough in studio condenser microphone performance and value. Its sound quality and performance rivals many of the world's finest microphones, regardless of price. One listening test will reveal that this serious audio tool belongs in your studio.

RE1000