



ROYER R-121

Ribbon-Velocity Studio Microphone

The R-121 is a thoroughly modern ribbon microphone designed for today's studio and live environments, exhibiting a flat frequency response and well balanced, panoramic sound field. Its ability to withstand 135 dB SPL @ 30 Hz makes it ideal for applications that were previously considered off limits to ribbon microphones.

The R-121 was developed through relatively recent advancements in magnetics, materials and mechanical construction techniques. The ribbon element's smooth frequency response and phase linearity, coupled with sensitivity levels surpassing those of "classic" ribbons, make this microphone an ideal choice for digital recording. The R-121 delivers a consistent, natural acoustical performance with stunning realism. Widely used on electric guitars, brass instruments and drums, the R-121's figure-8 pattern also conveys superb ambiance and depth when used for room miking applications, orchestral and choral recordings.

The heart of the R-121 is its low mass, 2.5-micron, pure (99.99%) aluminum ribbon element. The R-121's unique, patented offset-ribbon transducer assembly incorporates rare earth Neodymium magnets in a specially designed flux-frame, which forms a powerful magnetic field while reducing unwanted stray magnetic radiation.

The R-121's offset-ribbon design positions the ribbon element towards the front of the microphone body, which allows for higher SPL handling on the front (logo) side and the option of a brighter response when recording lower SPL sound sources on the back side (3 feet and closer; phase reversed in this position).

R-121 FEATURES

- High SPL capabilities for electric guitar and percussion
- No internal active electronics to overload or produce distortion up to maximum SPL rating
- Extremely low residual noise
- Ribbon element unaffected by heat or humidity
- Absence of high frequency peaks, "ringing" and phase shifts
- Equal sensitivity from front or back of element
- Gold plated XLR contacts

RECOMMENDED APPLICATIONS

- Close miking
- Electric & acoustic guitar
- Drum overheads, kick drum (see manual for position), room miking
- Percussion instruments
- Brass, horn sections
- Strings - solo & sections
- Acoustic piano
- Vocals
- Live events – recording and sound reinforcement



Actual size

ROYER R-121

Technical Specifications

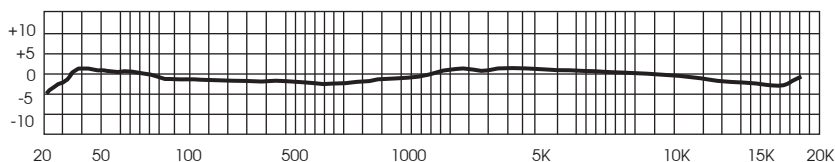


Optional Matte Black Finish

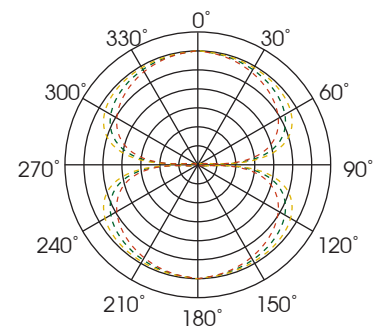
Acoustic Operating Principle	Electrodynamic pressure gradient
Polar Pattern	Figure-8
Generating Element	2.5-micron aluminum ribbon
Magnets	Rare Earth Neodymium
Frequency Response	30 - 15,000 Hz \pm 3dB
Sensitivity	-47 dB (re. 1v/pa)
Output Impedance	300 Ohms @ 1K (nominal)
Rated Load Impedance	1500 Ohms
Maximum SPL	135 dB @ 30 Hz
Output Connector	Male XLR 3-pin (Pin 2 Hot)
Dimensions	158mm L X 25mm W (6.25" L X 1" W)
Weight	244g (8.6 oz)
Finish	Dull Satin Nickel / Matte Black Chrome (optional)
Accessories	Protective wood case, mic sock
Optional Accessories	Pop screen, shock mount
Microphone Warranty	Lifetime to original owner (repair or replace at Royer's option)
Ribbon Element Warranty	One Year

Matched pairs are available at extra charge

Frequency Response and Polar Pattern



Patent Number: 6,434,252



- - - - 200Hz
 - - - - 1kHz
 - - - - 10kHz

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