



RIBBONMICS & PREAMPS | since 1964

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AEA R84 CLASSIC PASSIVE RIBBON MIC INSPIRED BY THE 44

{ THE WORKHORSE RIBBON MICROPHONE }

- Same *Big Ribbon™*, tuning, and transformer as the R44 series.
- Classic look, but with milder proximity effect than the R44.
- Intimate performance quality with smooth highs and extended lows.
- Easy to use and affordable.
- Versatile for close-up and ambient mic applications.
- 100% handcrafted in Pasadena, CA.

{ HOW IS THE R84 DIFFERENT FROM OTHER RIBBON MICROPHONES? }

Call it a “Swiss army knife”, your “desert island mic”, or simply “the workhorse” – the R84 was designed to be flexible and practical in a myriad of recording settings. The R84 delivers exceptional headroom while maintaining an intimate performance quality with smooth highs and extended lows. These aspects, combined with the reduced proximity effect, make the R84 incredibly well suited for both close-up and ambient mic applications. It’s just as versatile as an R44, flattering voice, strings, brass and drums alike.

{ WHAT IS UNDER THE HOOD? }

The AEA R84 uses a big, 2.35” by 0.185” by 2-micron pure aluminum low-tension (16.5 Hz) ribbon element just like the classic R44. Many ribbon mic manufacturers choose shorter ribbons that are easier to install, but AEA’s Large Ribbon Geometry™ design offers important advantages. Ribbon microphones operate linearly above their resonant frequency, unlike condenser or moving coil transducers, so the resonant frequency of a good microphone design should be as low as possible. The longer the ribbon, the lower the resonant frequency will be. The ribbon has to move twice as far for every drop in octave as it vibrates within the magnetic gap, thus, a longer ribbon will allow for further movement back and forth. This results in the ribbon handling louder sound sources and more sound pressure level (SPL).

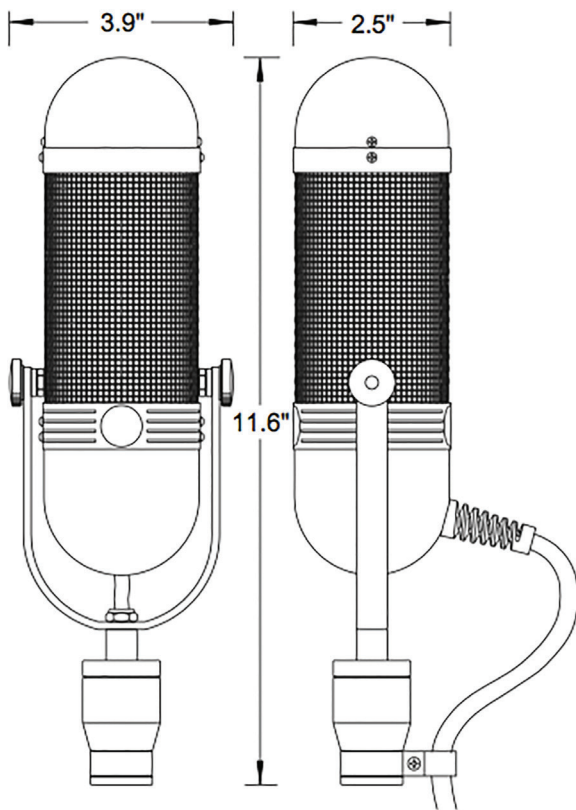
{ ABOUT THE LEGACY SERIES }

In 1976, when General Electric bought RCA and closed down its microphone division AEA began servicing RCA’s legendary ribbon mics. Twenty-two years later, AEA reissued the iconic 44 ribbon mic and has continued to make ribbon microphones in the RCA tradition to this day. From the R84 Workhorse, R92 Up-Close Passive, Stereo R88, and Supercardioid KU4 – there is a AEA Legacy microphone for every application and setting.



“The R84 has made a ribbon believer out of me. Never before have I heard a ribbon mic sound so good on so many things...”

Lynn Fuston, 3D Audio Inc,
Sweetwater Manager of
Written Content.



Specifications:

Operating Principle: Pressure gradient transducer
 Directional Pattern: Bidirectional
 Frequency Range: <20 Hz to >20 kHz
 Maximum SPL: 165 + dB SPL (1% third harmonic > 1 kHz)
 Sensitivity: 2.5 mV/Pa (-52 dBv/Pa) into unloaded circuit
 Output Impedance: 270 Ω nominal
 Recommended Load Impedance: 1.2K Ω or greater
 Phantom Power: Not required or recommended

Polarity: Pin 2 high for positive pressure on front of microphone.
 Polar Response: Native bidirectional, figure-of-8 pattern
 Horizontal: Up to 90 dB rejection at right angles to the front/back axis.
 Vertical: Level changes with angle of incidence, but frequency response is consistent.

Transducer Element Material: Pure aluminum corrugated ribbon
 Thickness: 1.8 μm
 Width: 0.185 in (4.7 mm)
 Length: 2.35 in (59.7 mm)

Microphone Dimensions
 Height: 11.6 in (29.5 cm)
 Width: 3.9 in (9.9 cm)
 Depth: 2.5 in (6.4 cm)
 Weight with cable: 3 lb (1.36 kg)
 Shipping Weight: 4 lb (1.8 kg)
 Connector: XLR-3M

Options

M Matched stereo pair

Accessories

Included:
 Vertical softcase, user manual, captive 10' (3 meter) output cable with XLR-3M connector.

Limited Warranty:
 One year parts and labor, shipping not included.
 Extended to three years if product is registered with AEA.

For more information contact:

