



A440 *THE 44 RE-IMAGINED* Active Studio Ribbon

- Phantom powered JFET Big Ribbon™ microphone
- Exceptionally low equivalent noise level: 9 dB(A)
- New Old-Stock RCA ribbon material
- High SPL capability: 136 dB into a 1 k Ohm load
- Hand built to order in Pasadena, California
- Single-diaphragm with well-controlled, native figure-8 polar pattern
- Consistent horizontal polar response, on and off axis
- 90° null-plane helps tame difficult acoustics
- Computer matched to production reference standards

RCA 44 ribbon microphones remain a vibrant part of studio life 50+ years after RCA built the last one in 1955. Their open sound and extended bass register are unlike anything else. If you appreciate proximity effect, nothing matches the warmth of the 44. Never harsh, the 44 flatters a broad array of timbres, fits easily into the mix, rarely needs EQ, but takes EQ well.

Collectors in the 1990s made 44s increasingly difficult to find. We feel the 44 is RCA's best mic and the most important ribbon ever made. We consulted with engineers who designed and built RCA mics and found new old-stock ribbon material. We began building tooling and making RCA 44 B/BX parts. Four years later, in 1998, AEA reintroduced a living legend, the AEA R44C.

But our quest was not over. The 2008 A440 synthesizes AEA's 30 years of experience servicing, modifying and building high-performance Big Ribbon™ mics. The A440 shares many features and sonic qualities of its non-powered cousins, but has a character of its own. It is often described as being more "open and transparent" than any other ribbon microphone.

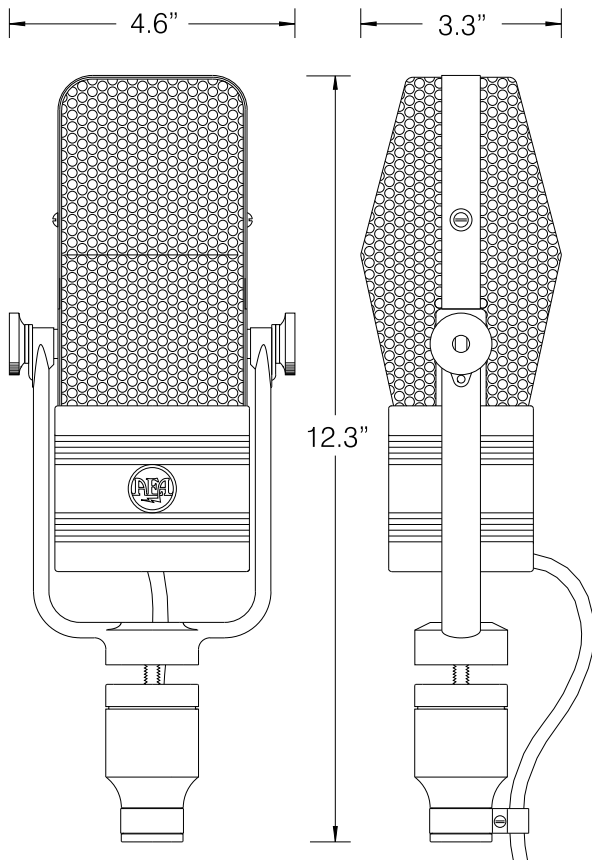


How is the A440 different from other ribbon microphones?

The A440 is the quietest ribbon microphone ever made. At 7 mA current it has a 9 dB(A) noise floor and handles 136 dB SPL. A custom 9 mA version has a 6 dB(A) noise floor and handles 132.5 dB SPL. With a high sensitivity of -33.5 dBV/Pascal and a low output impedance of 92 Ohms, it can be used where other ribbon mics cannot. Anywhere that low-noise, high immunity to RF or EMI noise fields, and/or long cable runs is required.

AEA Big Ribbon™ designs are tuned to a resonant frequency of 16.5 Hz. They have phenomenal bass response and exhibit none of the upper midrange high-Q resonance peaks common to large diaphragm condensers. These lightly-tensioned, ultra low mass ribbons are almost perfectly damped by the air itself and deliver fast, accurate transients.

The A440 has been described as doing away with boundaries. The more one pushes the fader up, the more one is enveloped in the music and the space. Is the A440 the best 44 incarnation ever? The 44, the R44, and now the A440 have been major players in the studio scene now for over 75 years. A lot more music is yet to come. AEA is honored to play a part in this history, and invites you to become part of it as well.



Weight: 7 pounds, 9 ounces (3.45 Kilos) in storage case

Height: 12.25" 31.25 cm, Width: 4.62" 11.7, Depth: 3.25" 8.4 cm

Standard finish is Umber Gray & Silver

Options

- M Hand tuning to stereo match a pair
- U Custom body graphics or colors
- F Custom microphone flag

Accessories

- B Gray twill zippered bag
- S Round low profile desk stand
- AD-1 5/8"-27 stand adapter for Vintage RCA 44 & AEA R44C/CX
- 44VC Vertical carry case

For more information contact:

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Specifications:

- Frequency Response: 20 Hz to 20 kHz
- Maximum SPL: 136 dB SPL with a 1 kΩ load for < 1% THD
- Output Sensitivity: 30 mV (-33.5 dBV) /Pa 1 Pa = 94 dB SPL
- Equivalent Noise Level: 9 dB SPL, A-weighted per IEC 651
- Dynamic Range: 127 dB
- Signal to Noise Ratio: 85 dB (A) (94 dB SPL minus equivalent noise)
- Output Impedance: 92 Ω broadband
- Recommended Load: 1 kΩ or greater
- Powering: P48 phantom power, 7 mA
- Polarity: Pin 2 high for positive pressure on the front of the microphone.
- Connector: XLR-3M wired to a 3 meter Accusound cable

Directional Pattern :

- Polar Pattern: Native Figure-8 (Bi-Directional)
- Horizontal: Level changes with angle, frequency response is consistent, null at right angles to major axis 90° / 270°
- Vertical: Level changes with angle, reduced HF response above and below 0° / 180° axis, null at right angles to major axis 90° / 270°

Transducer element

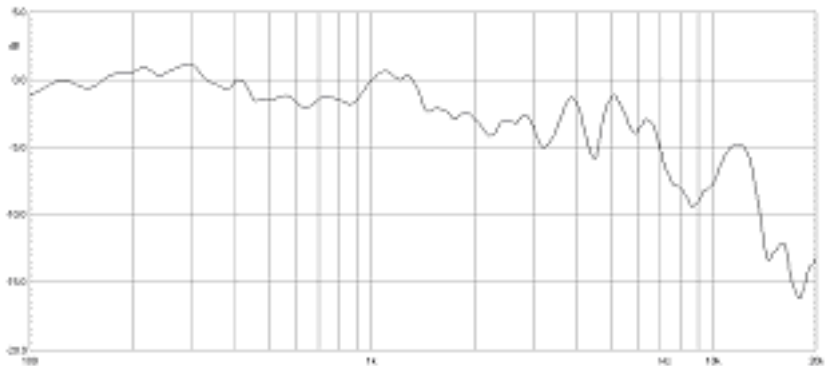
- Ribbon Thickness: 1.8 μ (0.000018 m) of pure aluminum
- Ribbon Width: 4.7 mm Ribbon Length: 59.7 mm

Accessories:

- Included: Custom storage / shipping case, stand adapter, manual
- Optional: Any length cable, inquire for price and delivery.
- Custom transformer case laser engraved with your art or logo

Limited Warranty:

- Three years parts and labor, shipping not included.



Displayed range from 100 Hz up due to measurement room size limitations.

Other AEA recording tools:

- R44 The Original "Big Ribbon" Mic
- R84 Solo and Accent "Big Ribbon" Microphone
- R88 Stereo Blumlein "Big Ribbon" Microphone
- R92 Close-Up "Big Ribbon" Microphone
- TRP: The Ribbon Pre – ultra high gain two-channel preamp
- Stereo Microphone Positioners and Decca Trees
- Collapsible "Flight-Weight" Tall Stands for on-location
- Heavy-duty Microphone Stands and Booms
- The New Stereo Soundbook, Third Edition.*
- Useful information, no math required. www.stereosoundbook.com