



## A440 *THE 44 RE-IMAGINED* Active Studio Ribbon



- Phantom powered Big Ribbon™ microphone
- JFET active electronics in the AEA TRP tradition
- Exceptionally low equivalent noise level 6 dB(A)
- Long ribbon sound in the 44 tradition
- Authentic RCA New Old Stock ribbon material
- Investment cast bronze yoke and machined brass parts, no zinc
- Single-diaphragm with well-controlled, native figure-8 polar pattern
- Consistent horizontal polar response, on and off axis
- 90° null-plane helps reject difficult acoustics
- High SPL capability: 132.5 dB with a load of 1 k Ohm
- Hand built to order
- Computer matched to production reference standards

RCA 44 ribbon microphones remain an essential part of studio life more than 50 years after manufacturing ceased in 1955. Their open sound and accurate polar pattern are still unlike anything else available. Never harsh, the 44 flatters a broad array of timbres and fits easily into the mix. The 44 EQs well, but generally does not need it. If you appreciate proximity effect, nothing matches the warmth of the 44.

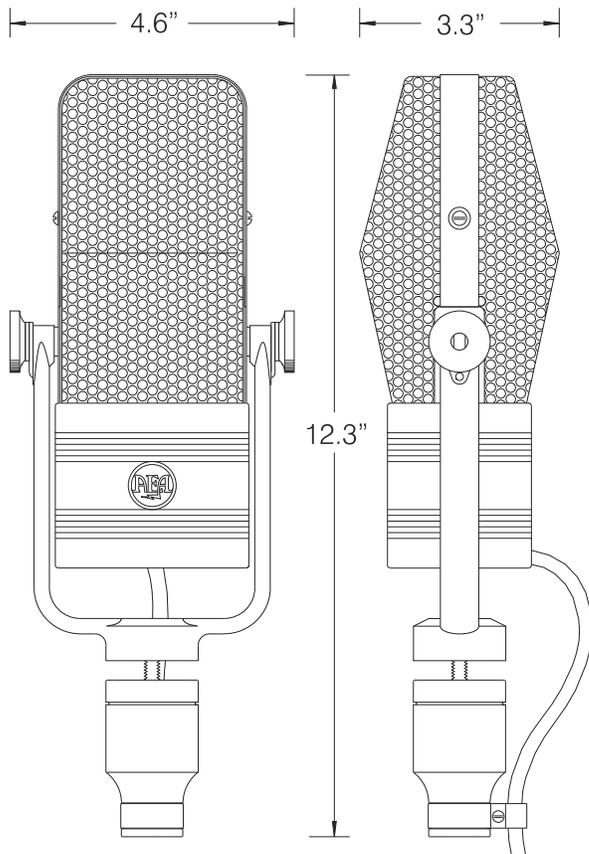
By the 90's RCA 44s were becoming increasingly difficult for artist and studios to purchase as collectors bought them up. Specializing in ribbon microphones, AEA consulted with the engineers who originally designed and built the RCA microphones, located original ribbon material, built tooling, and custom made all the parts to recreate the RCA 44 B/BX design to RCA's original specifications. In 1998, after years of painstaking work, AEA began production of the most important ribbon mic of all time: the AEA R44C. But the quest was not over yet...

*How is the A440 different from other ribbon microphones?*

The A440 combines phantom power with the Big Ribbon™ sound for the first time. With the release of the A440, AEA has synthesized more than 30 years of experience with high performance mics. The A440 has its own personality, but visually and sonically shares a close kinship with the R44. With a sensitivity of -32.5 dBV per Pascal (94 dB SPL) and an equivalent noise level to 6 dB SPL(A), it has a dynamic range as wide as any microphone on the market.

The A440 shares all the pleasing characteristics of AEA's other Big Ribbon™ microphones such as a fast transient response, and no unpleasant resonances. Combining this with active electronics results results in a strong, distinctive sound unlike any other microphone.

The 44 remains a studio favorite 50+ years after RCA ceased production because it still *sounds* very good to both musicians and their audiences. Like its long ribbon siblings, it will sound good virtually anywhere you use it.



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

## Specifications:

- Frequency Response: 20 Hz to 20 kHz
- Maximum SPL: 132.5 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: 6 dB SPL, A-weighted per IEC 651
- Dynamic Range: 126.5 dB
- Signal to Noise Ratio: 88 dB (A) (94 dB SPL minus equivalent noise)
- Output Impedance: 92 Ω broadband
- Recommended Load: 1 kΩ or greater
- Powering: P48 phantom power, 9 mA
- Polarity: Pin 2 high for positive pressure on the front of the microphone.
- Connector: XLR-3M wired to a 3 meter captive 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.

Standard finish is Umber Gray & Silver

## Options

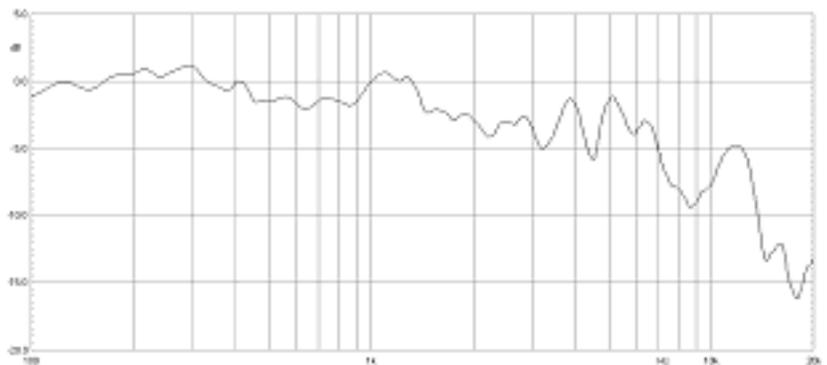
- M Hand tuning to stereo match a pair
- U Custom body graphics or colors
- F Custom microphone flag

## 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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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](http://www.stereosoundbook.com)