



A440 THE 44 RE-IMAGINED Active Studio Ribbon



- A phantom powered microphone in the 44 tradition.
- JFET active electronics in the AEA TRP tradition
- Exceptionally low self-noise of 6 dB(A)
- Sonically faithful to the 44 series
- 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
- High null-plane sound rejection helps with difficult acoustics
- High SPL capability: 132.5 dB with a load of 1 k Ohm
- Hand built to order, then individually evaluated and listened to
- 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. What you hear in the studio, is what plays back. Everything sounds good, and fits easily into the mix. The 44 EQs well, but generally does not need it. Additionally, for proximity effect, there is nothing like the warmth of the 44.

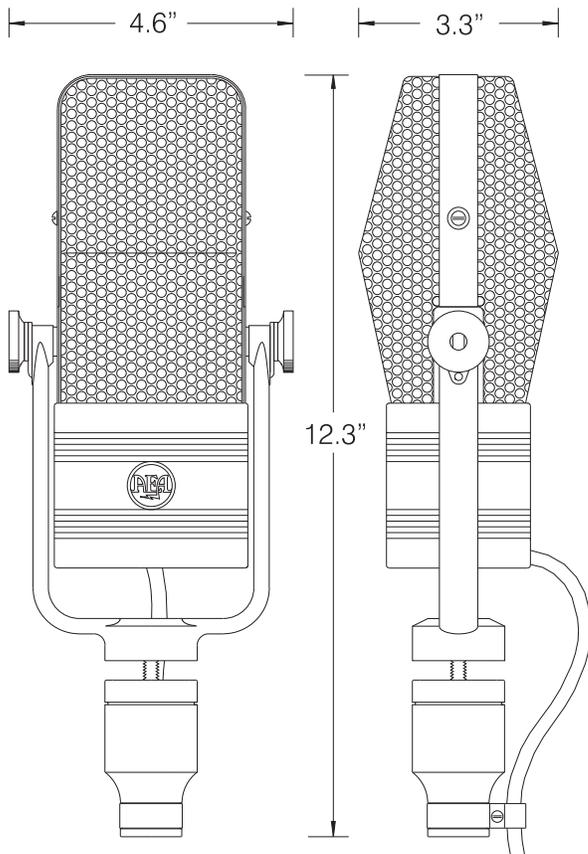
As collectors bought up RCA 44s in the 90's, their studio availability became endangered. As specialists in the field of ribbon microphones, AEA tracked down the engineers who originally manufactured RCA microphones, located original ribbon material, built tooling, and custom made all the parts to recreate the RCA 44 B/BX design to RCA's original 1930s' specifications. After years of painstaking work, in 1998 AEA began production of the most important ribbon mic of all time: the AEA R44C.

How is the A440 different from other ribbon microphones ?

Now in 2008 with the A440, AEA synthesizes what we've learned in 30 years about high performance Big Ribbon mics. With a sensitivity of -32.5 dBV per Pascal (94 dB SPL) and a noise floor equivalent to 6 dB SPL(A), it has astonishing dynamic range. The A440 has its own personality, but is visually and sonically close kin to the 44.

The R44 was developed in the 1930s when listening to a product with live voices and music was the most important part of a design. No one now would deliberately design a mic with the 44s' frequency response. Its pure undamped ribbon design is not how one would build a ruler flat microphone, However the 44 remains a studio favorite now, 50+ years after RCA ceased production, because it still sounds very good to both musicians and their audience

If you love music, then you will likely love the A440. It lets one hear farther into the reverb tail of a good room, the ring out of an instrument, or the complexity of a chorus. It is not a microphone for everyone, but everyone loves it when they hear it. As does its 44 siblings, it sound good anywhere: brass, woodwinds, percussion, strings or voice work.



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: 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

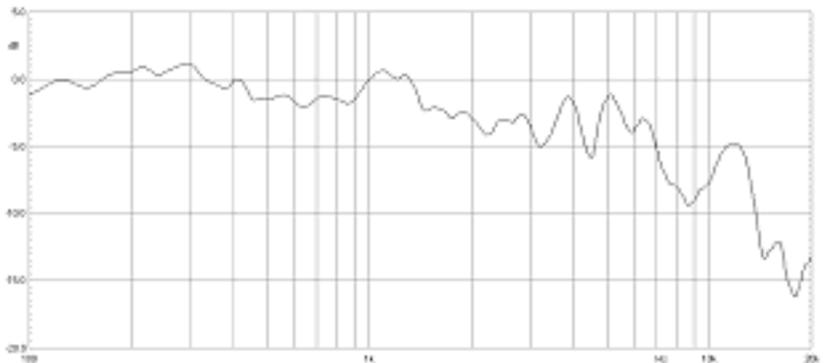
- Ribbon Thickness: 1.8 μ (0.000018 m) of pure aluminum
- Ribbon Width: 4.7 mm Ribbon Length: 59.7 mm

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.



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