


# RAY TUBES

RESERVE KT88  
Product Media Kit

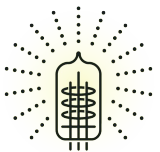


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- The background of the slide is a dark, semi-transparent image of various vacuum tubes. On the left, a tube is labeled 'SELECT EL84'. In the center, a tube is labeled 'RAY TUBES'. On the right, a larger tube is visible with multiple pins at its base.
1. The Product
  2. The Company
  3. The Numbers



# RESERVE KT88

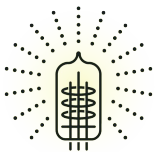
The KT88 is a **beam tetrode introduced in 1956** as a variant of its smaller cousin, the KT66. Its name is derived from *kinkless tetrode*, an earlier name for the beam tetrode, and it's been popular in high-fidelity stereo systems since its introduction. Since **New Old Stock of the KT88 is especially rare**, Ray Tubes is proud to offer brand-new KT88 vacuum tubes.



# Product Highlights

The **Ray Tubes RESERVE Collection** isn't for everyone. It's the distillation of decades of experience. RESERVE reveals audio details you never knew were there.

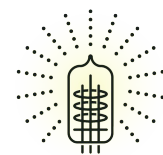
- Bespoke design and small-batch production
- Hand-selected by engineers to our most meticulous standards
- Higher quality materials, including gold pins for longevity
- Monocrystalline carbon Magic Coating for improved heat dissipation
- Substantially more consistent performance than New Old Stock
- Unlike NOS and most other new production, covered by the Ray Tubes One Year Warranty




# Sound Characteristics

The RESERVE KT88 combines power and resolution, making it **ideal for listeners who appreciate strong dynamics, a spacious soundstage, and well-controlled bass.**

- The bass is powerful with deep, well-controlled frequencies ideal for complex arrangements such as rock and symphonic music.
- The midrange frequencies are full and rich, reproducing vocals and instruments with excellent texture for a detailed, layered sound.
- The treble performance is clear without being overly aggressive. A key strength is its high resolution.
- The dynamic range is outstanding, while the soundstage is large and well-defined with excellent spatial separation.



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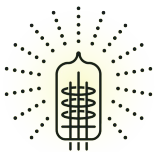




# Our Philosophy

Tube audio has brought audiophiles together for decades, but in recent years, it's **become more difficult to access than ever**. Ray Tubes is on a mission to change that. With rigorous quality control standards backed by the Ray Tubes One Year Warranty, **Ray Tubes is making reliable, consistent vacuum tubes accessible to everyone**—audiophiles old and new, musicians, retailers and amp designers around the world, and why not, even that one guy who just thinks tubes look cool on his shelf.

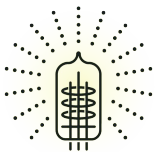
The bottom line: Ray Tubes puts in the work so you can experience the warm, vintage sound of tube audio **without the hassle**.



# Our Quality Control

Each tube undergoes **a seven-step quality control process**, including a 24-hour burn-in period, stress tests to minimise microphonics, and critical parameters that are carefully measured to ensure consistency and accurate matching. Finally, sound engineers assess each tube **under real-world listening conditions**.

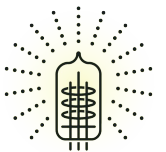
By the end of the quality control process, **only 5% of tubes commissioned for production meet Ray Tubes' standards**.





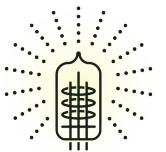
# Our Warranty

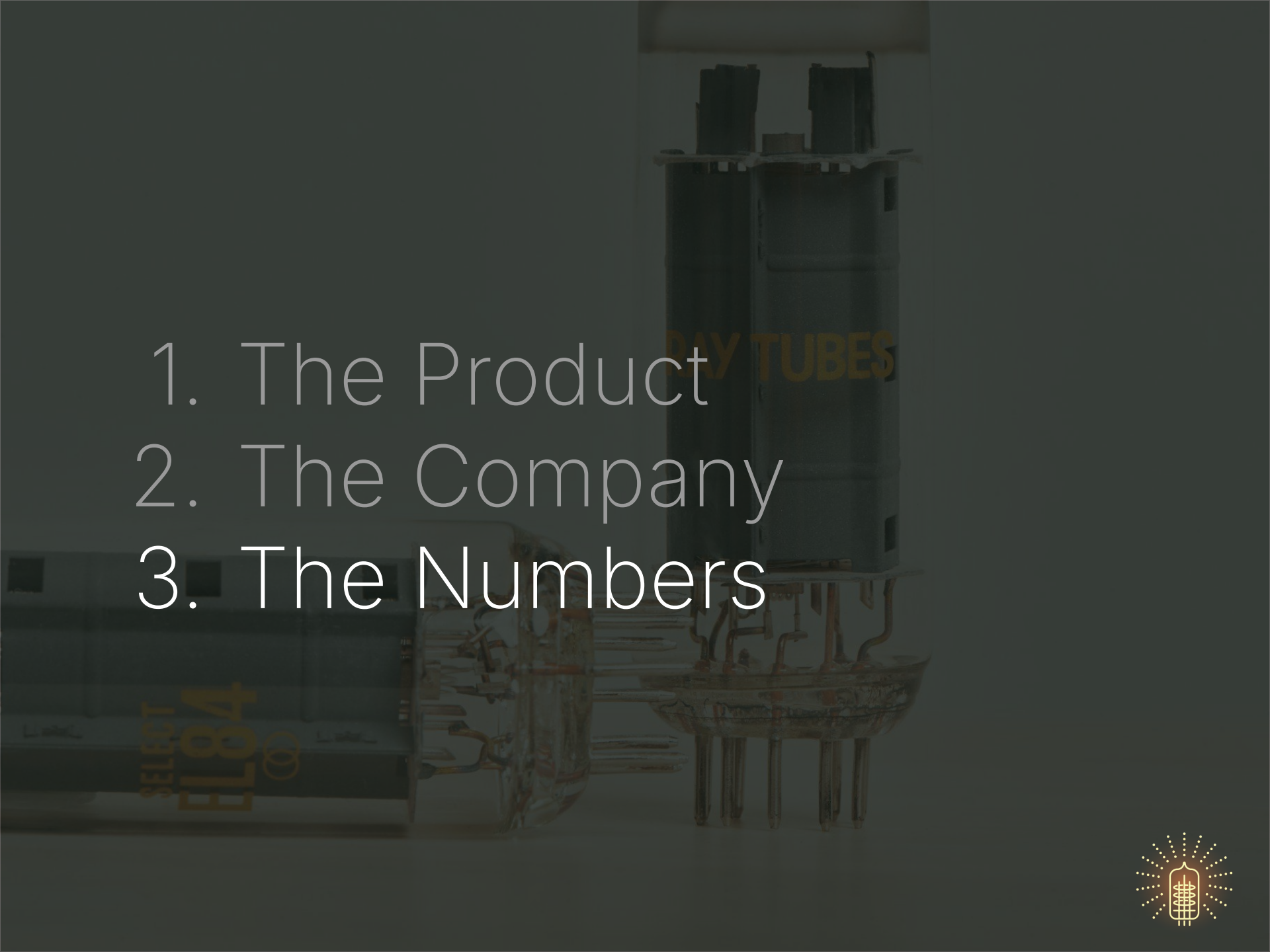
Books have been written about the countless ways vacuum tubes can and do fail. With most manufacturers, and all New Old Stock, a tube failure leaves the user high and dry. Ray Tubes is different. All Ray Tubes products are backed by the **Ray Tubes One Year Warranty**, which covers manufacturing defects for twelve months from the date of purchase.



# Partnership and Feedback

Ray Tubes is always looking to improve their products and expand their wonderful network of retail, brand, and studio partners. Is there a tube you'd love to see in the lineup? Are you interested in stocking Ray Tubes, collaborating on a product, or showing off Ray Tubes in your space? Or do you simply have a comment or question you'd like to share? Get in touch at **[help@raytubes.com](mailto:help@raytubes.com)**.

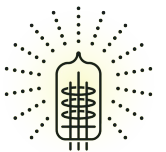


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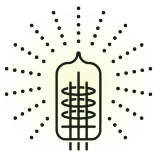
# Technical Specification

- **Tube Type:** KT88
- **Tube Socket:** 8-pin
- **Max Anode Dissipation Power:** 42 W
- **Max Screen Dissipation Power:** 8 W
- **Max Anode + Screen Dissipation Power:** 46 W



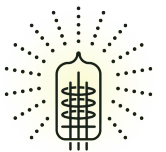
# Technical Specification

- **Max Anode Voltage:** 800 V
- **Max Screen Voltage:** 600 V
- **Max Grid Voltage:** ~200 V
- **Max Cathode Current:** 230 mA
- **Heater Voltage:** 6.3 V
- **Heater Current:** 1.6 A
- **Transconductance:** 12 mA/V
- **Amplification Factor:** 8
- **Total Height:** 119 mm



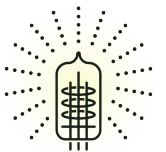
# Technical Specification

- **Tetrode Connection**
  - **Screen Voltage:** 250 V
  - **Anode Voltage:** 250 V
  - **Anode Current:** 140 mA
  - **Grid Voltage:** 15 V
  - **Grid Current:** 3 mA
  - **Internal Resistance:** 12 k $\Omega$
  - **Amplification Factor:** 8



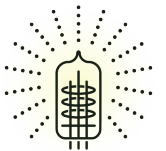
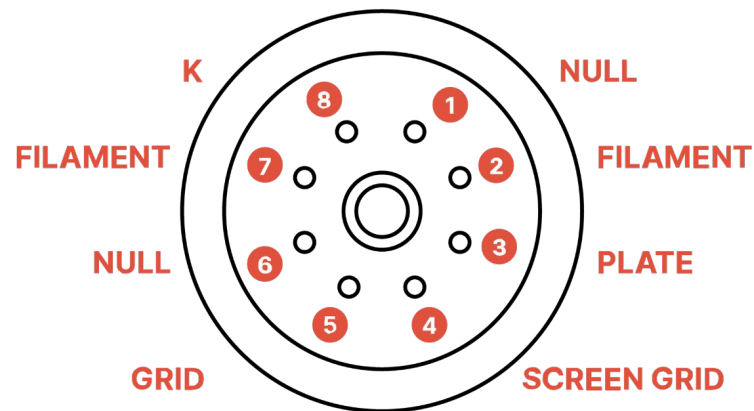
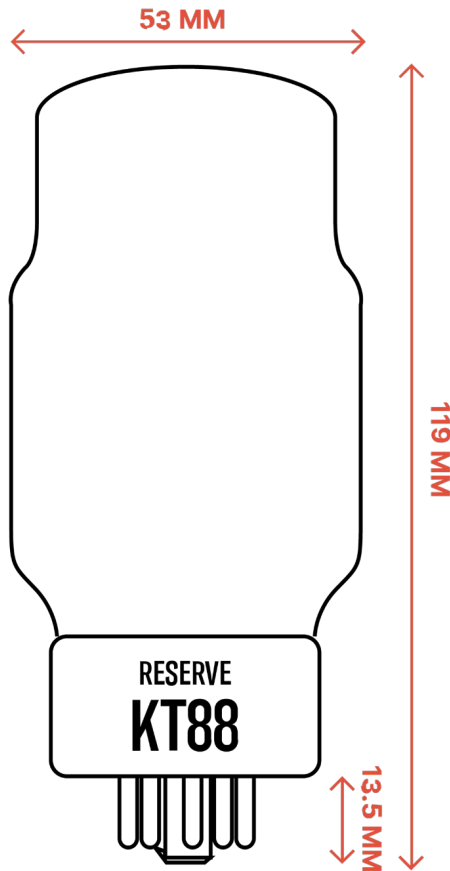
# Technical Specification

- **Triode Connection**
  - **Anode Voltage:** 250 V
  - **Anode Current:** 143 mA
  - **Grid Voltage:** 15 V
  - **Internal Resistance:** 670  $\Omega$
  - **Amplification Factor:** 8



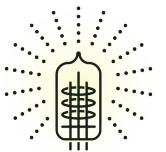


# Technical Specification



# Package Contents

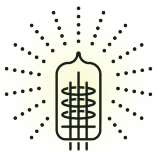
- Set of four, two or single vacuum tube
- User handbook featuring burn-in guidelines
- Certificate of authenticity and warranty



# Ray Tubes Retail Partners

Local audio retailers are the beating heart of any community of audiophiles. No one's better placed to help you with every aspect of your purchase than your local retailer, and part of the Ray Tubes mission is to support those retailers in any way possible. That's why there are no direct sales through the Ray Tubes website. Instead, check out the extensive network of Ray Tubes retail partners at <https://raytubes.com/pages/retailers>.

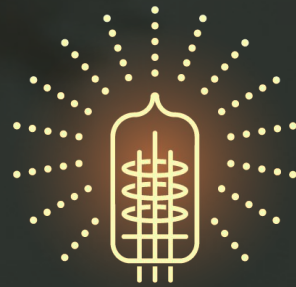
You won't be disappointed.











# RAY TUBES

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Oakland, CA, 94608, USA