

CELESTION T6370

CELESTION

CELESTION Neo 250 Copperback Guitar Speaker User Manual

Model: Neo 250 Copperback (T6370) - 8 Ohm

INTRODUCTION

The CELESTION Neo 250 Copperback is a high-performance guitar speaker designed to deliver exceptional tone and power handling. Rated at 250 W, this speaker combines the musicality of classic CELESTION speakers with a lightweight design. It provides a transparent tone with a tight low end, neutral low mids, clear upper mids, and controlled highs, enhancing the natural tonality of your amplifier. Its wide dynamic response and excellent touch sensitivity make it a versatile choice for various musical styles.

KEY FEATURES

- **Power Rating:** 250 Watts for high-power applications.
- **Lightweight Design:** Weighs approximately 5 pounds, making it ideal for combos and cabinets where weight reduction is desired.
- **Transparent Tone:** Delivers a clear and articulate sound profile.
- **Balanced Frequency Response:** Features a tight low end, neutral low mids, clear upper mids, and controlled highs.
- **Versatile Application:** Suitable for various amplifier circuits, including Marshall, Vox, and Fender types.
- **Excellent Drive Pedal Compatibility:** Responds well to different drive pedals, offering a wide range of tonal possibilities.

SETUP AND INSTALLATION

Proper installation of your CELESTION Neo 250 Copperback speaker is crucial for optimal performance and safety. Always ensure your amplifier is turned off and unplugged before beginning installation.

1. **Impedance Matching:** Verify that the impedance of the speaker (8 Ohms for this model) matches the output impedance of your amplifier. Mismatched impedances can damage your amplifier or speaker.
2. **Mounting:** Securely mount the speaker into your amplifier cabinet using appropriate hardware. Ensure all screws are tightened evenly to prevent vibrations and ensure a stable fit.
3. **Wiring:** Connect the speaker terminals to your amplifier's speaker output using high-quality speaker cable. Pay close attention to polarity (+ to + and - to -) to ensure correct phase.
4. **Testing:** After installation, connect your amplifier and test at a low volume. Gradually increase the volume to ensure proper operation and sound reproduction.



Image: The CELESTION Neo 250 Copperback Guitar Speaker, showcasing its robust construction and gold-colored magnet assembly.

OPERATING THE SPEAKER

The Neo 250 Copperback is designed for a wide range of applications and amplifier types. Its unique characteristics allow it to perform exceptionally well across various circuits.

- **Amplifier Compatibility:** This speaker has been tested and performs well with Marshall, Vox, and Fender circuits, offering a versatile sound profile.
- **Mid-Range Response:** It features a relatively flat mid-range response, providing a balanced

foundation for your guitar tone.

- **Headroom:** The speaker offers significant headroom, allowing for clean tones at higher volumes without premature breakup.
- **Drive Pedals:** The Neo 250 Copperback excels at handling various drive pedals, translating their characteristics effectively and producing a rich, violin-like tone when overdriven. Experiment with different pedals to discover your preferred sound.

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Video: A demonstration of the CELESTION Neo Copperback speaker, showcasing its tonal qualities and response with a guitar amplifier. The video features a musician playing a green electric guitar in a studio setting.

MAINTENANCE

To ensure the longevity and optimal performance of your CELESTION Neo 250 Copperback speaker, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the speaker cone and frame with a soft, dry cloth to remove dust and debris. Avoid using liquid cleaners or excessive moisture, as this can damage the cone material.
- **Storage:** Store the speaker in a dry, temperature-controlled environment, away from direct sunlight and extreme humidity.
- **Handling:** Always handle the speaker with care, avoiding direct contact with the cone or voice coil area.
- **Inspection:** Periodically inspect the speaker for any signs of damage, such as tears in the cone, loose connections, or bent frame components.

TROUBLESHOOTING

If you encounter issues with your CELESTION Neo 250 Copperback speaker, consider the following common troubleshooting steps:

- **No Sound:**
 - Check all cable connections between the amplifier and speaker.
 - Ensure the amplifier is powered on and functioning correctly.
 - Verify the speaker cable is not damaged.
- **Distorted Sound:**
 - Confirm that the speaker's impedance matches the amplifier's output impedance.
 - Reduce the amplifier's volume or gain settings.
 - Inspect the speaker cone for any physical damage.
- **Weak or Intermittent Sound:**
 - Check for loose wiring connections at both the speaker and amplifier terminals.
 - Test with a different speaker cable to rule out cable issues.

If these steps do not resolve the issue, please contact CELESTION customer support or a qualified technician.

SPECIFICATIONS



Image: Detailed view of the CELESTION Neo 250 Copperback speaker's magnet, showing the "250W" power capacity and "8 Ohms" impedance.

Feature	Detail
Model Name	T6370
Speaker Type	Guitar Amplifier Speaker
Power Capacity	250 Watts
Impedance	8 Ohms
Recommended Uses	For Guitar Amplifiers
Product Dimensions	13"D x 13"W x 7.1"H
Item Weight	5 Pounds
Speaker Size	12 Inches
Manufacturer	CELESTION
UPC	739894637008

WARRANTY AND SUPPORT

The CELESTION Neo 250 Copperback speaker comes with a manufacturer's warranty. For specific details regarding warranty coverage, duration, and terms, please refer to the documentation included with your purchase or visit the official CELESTION website.

For technical support, service, or any inquiries about your product, please contact CELESTION customer service through their official channels. Ensure you have your product model number (T6370) and purchase information available when contacting support.