



[Manuals.plus](#) /

› [CELESTION](#) /

› CELESTION Gold Guitar Speaker (8 Ohm, 12-inch) Instruction Manual

CELESTION T5471

CELESTION Gold Guitar Speaker (8 Ohm, 12-inch) Instruction Manual

Model: T5471

[Introduction](#)

[Setup](#)

[Operating](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty &](#)

[Support](#)

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your CELESTION Gold Guitar Speaker. The Gold speaker is a 12-inch, 8 Ohm Alnico magnet guitar speaker designed to deliver a distinct sonic signature with a warm, complex midrange, laid-back attack, rounded low end, and brilliant bell-like highs. Please read this manual thoroughly before use to ensure optimal performance and longevity of your speaker.



Figure 1: Front view of the CELESTION Gold Guitar Speaker.

2. SETUP

2.1 Unpacking

- Carefully remove the speaker from its packaging.
- Inspect the speaker for any signs of physical damage that may have occurred during transit. If damage is found, contact your retailer immediately.
- Retain the original packaging for future transport or storage.

2.2 Installation

The CELESTION Gold Guitar Speaker is designed for installation in compatible guitar amplifier cabinets. Ensure your amplifier or cabinet is rated for an 8 Ohm speaker and can handle a minimum of 50 Watts RMS.

- **Power Off:** Before beginning installation, ensure your amplifier is completely powered off and disconnected from the mains

electricity supply.

- **Mounting:** Securely mount the speaker into the designated opening in your amplifier cabinet using appropriate screws and hardware. Ensure a tight seal to prevent air leaks, which can affect sound quality.
- **Wiring:** Connect the speaker terminals to the amplifier's speaker output. Observe correct polarity: connect the positive (+) terminal of the speaker to the positive (+) output of the amplifier, and the negative (-) terminal of the speaker to the negative (-) output of the amplifier. Incorrect polarity can result in phase issues and reduced sound quality.
- **Impedance Matching:** Verify that the amplifier's output impedance setting matches the speaker's 8 Ohm impedance. Mismatched impedance can lead to amplifier damage or poor performance.

3. OPERATING

3.1 Initial Power-Up

- After installation, double-check all connections.
- Turn on your amplifier at a low volume setting.
- Gradually increase the volume to a desired level, listening for any unusual noises or distortion.

3.2 Sound Characteristics

The CELESTION Gold speaker is known for its dynamic response and rich tonal qualities. It offers a balanced sound with a pronounced, warm midrange and clear, articulate highs. The Alnico magnet contributes to a responsive feel and a smooth, musical compression at higher volumes. The speaker is designed to be highly expressive, allowing for nuanced dynamic control from your guitar playing.

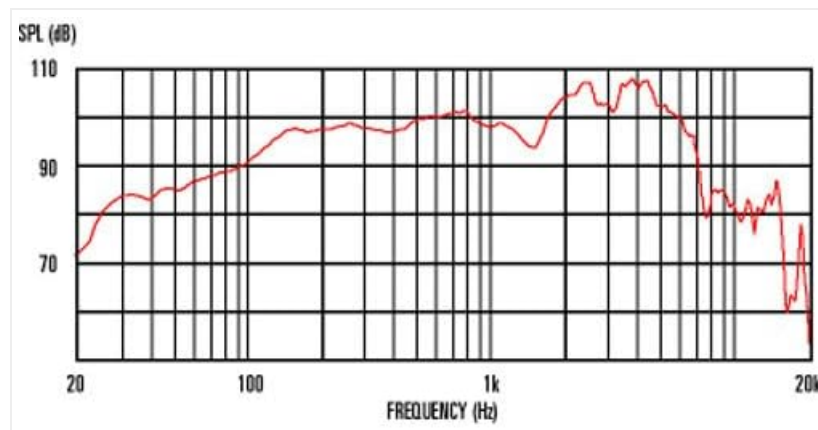


Figure 2: Typical frequency response curve for the CELESTION Gold Guitar Speaker. This graph illustrates the speaker's output (SPL in dB) across the audible frequency range (Hz), showing its characteristic tonal balance.

4. MAINTENANCE

The CELESTION Gold speaker requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Keep the speaker cone free from dust and debris. Use a soft, dry cloth to gently wipe the exterior. Avoid using liquid cleaners or solvents, as these can damage the cone material.
- **Storage:** If storing the speaker for an extended period, keep it in a dry, temperature-controlled environment, ideally in its original packaging.
- **Break-in Period:** New speakers often benefit from a 'break-in' period, where they are played at moderate volumes for several hours. This allows the cone and suspension to loosen, leading to a more consistent and developed tone.

5. TROUBLESHOOTING

If you encounter issues with your CELESTION Gold speaker, refer to the following common troubleshooting steps:

- **No Sound:**

- Check all cable connections between the amplifier and speaker. Ensure they are secure and correctly polarized.
- Verify the amplifier is powered on and functioning correctly.
- Confirm the amplifier's output impedance matches the speaker's 8 Ohm rating.

- **Distorted Sound:**

- Reduce the amplifier's volume. Excessive volume can cause distortion.
- Check for damaged cables or loose connections.
- Ensure the speaker is securely mounted and there are no air leaks in the cabinet.

- **Intermittent Sound:**

- Inspect speaker cables for breaks or frayed wires.
- Check for loose connections at both the amplifier and speaker terminals.

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

6. SPECIFICATIONS

Feature	Detail
Model Name	CELESTION Gold
Model Number	T5471
Speaker Size	12 Inches
Impedance	8 Ohms
Output Wattage	50 Watts
Material	Alnico
Product Dimensions	13"D x 13.8"W x 8"H
Item Weight	9.24 pounds (4.2 Kilograms)
Connectivity Technology	Corded Electric
Recommended Uses	Musical performances, recording studios, practice sessions
UPC	739894547109

7. WARRANTY & SUPPORT

The CELESTION Gold Guitar Speaker comes with a limited warranty. For specific details regarding warranty coverage, duration, and terms, please refer to the warranty card included with your product or visit the official CELESTION website.

For technical support, service, or warranty claims, please contact CELESTION customer service through their official channels. Ensure you have your product model number (T5471) and proof of purchase available when contacting support.



