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› Celestion G12M Greenback Guitar Speaker - 12 inch, 16 Ohm Instruction Manual

CELESTION T1221

Celestion G12M Greenback Guitar Speaker - 12 inch, 16 Ohm

Model: T1221 | Brand: CELESTION

INTRODUCTION

The Celestion G12M Greenback guitar speaker, 12-inch, 16 Ohm, is designed to deliver a distinctive sound profile. This version features a broader midrange attack and a controlled top end, providing a punchy character for chords and a searing lead tone without harshness. Its well-controlled low end makes it suitable for use individually or in multiples with high-powered rock amplifiers, offering drive and definition for modern high-gain amplification.



Image: Front view of the Celestion G12M Greenback 12-inch 16 Ohm guitar speaker.

SETUP

1. **Unpacking:** Carefully remove the speaker from its packaging. Inspect for any visible damage.
2. **Impedance Matching:** Ensure your amplifier's output impedance matches the speaker's 16 Ohm impedance. Mismatched impedances can damage your amplifier or speaker.
3. **Mounting:** The speaker is designed for flush mount installation. Securely fasten the speaker into the amplifier cabinet or speaker enclosure using appropriate hardware. Ensure a tight seal to optimize acoustic performance.
4. **Wiring:** Connect the speaker to your amplifier using a 1/4 inch TS phone connector. Observe correct polarity (+ to + and - to -) to ensure proper phase and sound reproduction.
5. **Initial Use (Break-in Period):** New speakers benefit from a break-in period to achieve their optimal tonal characteristics. Play the speaker at moderate volumes for approximately 50 hours. This allows the cone and suspension to loosen, resulting in a richer, more balanced sound.



Image: Celestion G12M Greenback speaker ready for installation, with a guitar in the background.

OPERATING

1. **Power Handling:** The Celestion G12M Greenback has a maximum power output of 16 Watts. Ensure your amplifier's output does not exceed this rating to prevent damage.
2. **Sound Characteristics:** This speaker is known for its warm, woody sound, with sufficient brightness and punch to cut through a band mix. It responds dynamically to playing style, making it ideal for blues and blues-rock, as well as high-gain rock music.
3. **Amplifier Settings:** Experiment with your amplifier's tone controls to achieve your desired sound. The speaker's inherent voicing complements a wide range of amplifier types, particularly those used for rock and high-gain applications.

MAINTENANCE

1. **Cleaning:** Keep the speaker cone and surrounding areas free from dust and debris. Use a soft, dry cloth for cleaning. Avoid using liquids or abrasive cleaners.
2. **Environmental Conditions:** Store and operate the speaker in a dry environment. This speaker is *not* waterproof. Protect it from extreme temperatures and humidity.

3. **Inspection:** Periodically inspect the speaker for any signs of wear or damage, such as tears in the cone or loose connections. Address any issues promptly.

TROUBLESHOOTING

No Sound:

- Check all cable connections between the amplifier and speaker. Ensure they are secure and correctly wired.
- Verify the amplifier is powered on and functioning correctly.
- Confirm the speaker cable is not faulty.

Distorted or Weak Sound:

- Ensure the amplifier's output power does not exceed the speaker's 16 Watt rating.
- Check for proper impedance matching between the amplifier and speaker (16 Ohm).
- Inspect the speaker cone for any physical damage or tears.
- Listen for any rattling or buzzing sounds, which might indicate a loose component or voice coil rub.

Intermittent Sound:

- Check for loose connections at both the amplifier and speaker terminals.
- Inspect the speaker cable for damage.

SPECIFICATIONS

Brand	CELESTION
Model Number	T1221
Speaker Type	Guitar Speaker
Speaker Size	12 Inches
Impedance	16 Ohms
Speaker Maximum Output Power	16 Watts
Connectivity Technology	1/4 inch TS phone connector
Audio Output Mode	Mono
Mounting Type	Flush Mount
Enclosure Material	Paper (For Cone)
Item Dimensions (D x W x H)	13"D x 13"W x 6"H
Item Weight	7.9 Pounds
Compatible Devices	For Guitar

Specific Uses For Product	High gain amplification, rock music
Additional Features	Distinctive green magnet cover, warm woody sound, dynamic response, ideal for blues and blues rock.



Image: Close-up view of the Celestion G12M Greenback speaker's distinctive green magnet and label.

WARRANTY INFORMATION

All Celestion speakers are warranted by the manufacturer to the original purchaser for a period of 5 years from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

SUPPORT

For technical assistance, warranty claims, or further information regarding your Celestion G12M Greenback speaker, please contact your authorized Celestion dealer or visit the official Celestion website.

You can also find more information and products at the [CELESTION Store on Amazon](#).