

GEYGUY G521-1

GEYGUY G521-1 Passive Bookshelf Speakers

USER MANUAL

Introduction

Thank you for choosing the GEYGUY G521-1 Passive Bookshelf Speakers. These high-quality 3-way speakers are designed to deliver superior audio performance for your home stereo system, near-field studio setup, or home theater. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your speakers to ensure optimal performance and longevity.

The G521-1 features a robust 5.25-inch woofer, a 2-inch midrange driver, and a 1-inch tweeter, engineered to provide clear, natural vocals and a wide frequency response from 48Hz to 20KHz. With an RMS power handling of 160 watts (80 watts per speaker) and a peak power of 280 watts, these speakers are built for dynamic sound reproduction. Please note that as passive speakers, they require an external amplifier to operate.

Product Features

- **3-Way Passive Speaker Design:** Equipped with a 5.25-inch woofer, 2-inch midrange, and 1-inch tweeter for balanced audio across the frequency spectrum.
- **Professional Frequency Range:** 48-20KHz, supported by an intelligent frequency divider for efficient signal distribution.
- **High Input Sensitivity:** Up to 81dB, ensuring clear and powerful sound output.
- **Unique Guided Air Duct Design:** Enhances low-frequency performance and reduces distortion for cleaner bass.
- **Thickened Handcrafted Wooden Enclosure:** Minimizes vibrations and resonance, contributing to rich, resonant acoustics.
- **Compact Bookshelf Design:** Ideal for various scenarios including home theater, karaoke, living rooms, bedrooms, and gaming setups.
- **Power Handling:** 160W RMS (80W x 2) and 280W Peak Power (140W x 2).

Setup

1. Unpacking

Carefully remove the speakers from their packaging. Inspect them for any signs of damage during transit. Retain the packaging materials for future transport or storage.

Package Contents:

- 2 x GEYGUY G521-1 Passive Bookshelf Speakers
- User Manual (this document)

2. Placement

Proper speaker placement is crucial for optimal sound quality. Consider the following guidelines:

- Place speakers on a stable, level surface, such as a bookshelf, speaker stand, or sturdy cabinet.
- For stereo imaging, position the speakers equidistant from your primary listening position, forming an equilateral triangle.
- Maintain a distance of at least 5.9 inches (15 cm) from the rear wall to allow the unique guided air duct design to function effectively and enhance bass response.
- Avoid placing speakers in enclosed spaces that might restrict airflow or cause excessive bass buildup.
- Ensure adequate ventilation around the speakers and any connected amplifier.



Image: Illustration of optimal speaker placement, demonstrating the recommended distance from a wall for enhanced bass performance.

3. Connecting the Speakers

The G521-1 speakers are passive and require an external stereo amplifier or receiver to function. Ensure your amplifier is turned off before making any connections.

1. Identify the positive (+) and negative (-) terminals on the back of each speaker and on your amplifier.
2. Use high-quality speaker wire to connect the positive (+) terminal of the left speaker to the positive (+) terminal of the left channel on your amplifier.
3. Connect the negative (-) terminal of the left speaker to the negative (-) terminal of the left channel on your amplifier.
4. Repeat the process for the right speaker, connecting it to the right channel of your amplifier.
5. Ensure all connections are secure and that there are no stray wire strands that could cause a short circuit.

Important: Always match polarity (+ to + and - to -) for correct sound reproduction. Incorrect polarity can result in poor bass response and distorted sound.



Image: Front view of the GEYGUY G521-1 passive bookshelf speakers, showcasing the woofer, midrange, and tweeter drivers.



3-Way Crossover Speaker System

1 inch Tweeter

Pleasant to the ear
but not harsh

2 inch Midrange

Clear and natural vocals

5 inch Bass

Strong bass dive feeling
obvious



Image: Detailed diagram illustrating the 3-way crossover speaker system, highlighting the 1-inch tweeter, 2-inch midrange, and 5.25-inch bass woofer.

Unique Guided Air Duct Design



**The air duct
supercharges
the bass**

Which can effectively increase
the low frequency diving ability
for cleaner bass.

Best distance

5.9in/15cm

Image: Diagram explaining the unique guided air duct design, which supercharges the bass by effectively increasing low-frequency diving ability for cleaner sound.

Operating Instructions

Basic Operation

1. Once the speakers are properly connected to your amplifier, turn on your amplifier and audio source (e.g., CD player, turntable, streaming device).
2. Start with the amplifier's volume control at its lowest setting.
3. Begin playing audio from your source.
4. Slowly increase the volume on your amplifier to a comfortable listening level.
5. Adjust bass, treble, and balance controls on your amplifier as desired to fine-tune the sound to your preference and room acoustics.

Note: These speakers are designed for a wide range of audio applications, from critical listening in a studio setting to

immersive home entertainment. Experiment with different audio sources and amplifier settings to discover the best sound for your environment.

Deliver An Unprecedented Real Audio Experience

stereo home theater / enjoy your music / play games / watch a movie



Image: Dimensions of the GEYGUY G521-1 compact bookshelf speaker, showing measurements of 7.75 inches (197mm) width, 7.08 inches (180mm) depth, and 12.00 inches (305mm) height, with a weight of 7.49 lbs (3.4 kg).

Compact Bookshelf Design



Image: Cross-section view of the speaker's thickened handcrafted wooden enclosure, illustrating the 0.59-inch (15mm) thick walls designed for high hardness and density to reduce vibrations and provide rich, resonant acoustics.

Maintenance

Cleaning

- Before cleaning, ensure your amplifier is turned off and disconnected from the power source.
- Use a soft, dry, lint-free cloth to gently wipe the speaker cabinets.
- For stubborn marks, slightly dampen the cloth with water. Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can damage the finish.
- Do not apply liquid directly to the speaker drivers (woofer, midrange, tweeter).
- If the speaker grilles are removable, you can gently vacuum them with a soft brush attachment to remove dust.

Storage

If you need to store the speakers for an extended period:

- Disconnect all cables.
- Store them in a cool, dry place, away from direct sunlight and extreme temperatures.
- Ideally, use the original packaging to protect them from dust and physical damage.

Troubleshooting

If you encounter any issues with your GEYGUY G521-1 speakers, please refer to the following table before contacting customer support.

Problem	Possible Cause	Solution
No sound from speakers	Amplifier not powered on. Incorrect speaker connections. Audio source not playing or improperly connected. Amplifier input selection incorrect.	Ensure amplifier is plugged in and turned on. Check all speaker wire connections for correct polarity (+ to +, - to -) and secure fit. Verify audio source is active and connected correctly to the amplifier. Select the correct input on your amplifier.
Distorted or unclear sound	Volume too high on amplifier. Loose speaker wire connections. Incorrect polarity. Damaged speaker wire. Amplifier clipping.	Reduce amplifier volume. Check and tighten all speaker wire connections. Verify correct polarity (+ to +, - to -). Inspect speaker wire for damage; replace if necessary. Ensure amplifier power output matches speaker requirements and is not overdriven.
Weak or no bass	Incorrect speaker polarity. Speakers too close to wall. Amplifier bass settings.	Double-check speaker wire polarity. Ensure speakers are at least 5.9 inches (15 cm) from the wall. Adjust bass settings on your amplifier.
Sound from only one speaker	Loose connection to one speaker. Amplifier balance setting. Faulty speaker wire.	Check connections for the non-working speaker at both the speaker and amplifier ends. Adjust the balance control on your amplifier. Swap speaker wires to determine if the wire or speaker is faulty.

Specifications

Feature	Detail
Model	G521-1
Speaker Type	Passive Bookshelf, 3-Way
Driver Configuration	5.25" Woofer, 2" Midrange, 1" Tweeter
RMS Power Output	160 Watts (80 Watts x 2)
Peak Power Output	280 Watts (140 Watts x 2)
Frequency Response	48 Hz - 20 KHz

Feature	Detail
Input Sensitivity	Up to 81 dB
Input Impedance	4Ω
High Frequency Crossover Point	7500 Hz
Mid Frequency Crossover Point	1900 Hz
Dimensions (L x W x H)	7.75 x 7.08 x 12.00 inches (19.69 x 17.78 x 30.48 cm)
Weight	7.49 lbs (3.4 kg) per speaker
Enclosure Material	Thickened Handcrafted Wooden Enclosure
Manufacturer	GEYGUY
Country of Origin	China

Warranty Information

The GEYGUY G521-1 Passive Bookshelf Speakers come with a manufacturer's limited warranty. Please refer to the warranty card included with your product or contact GEYGUY customer support for specific terms and conditions.

- **Warranty Type:** Limited
- **Manufacturer Warranty:** 1 year
- **Return Policy:** 30 days (refund/replacement)

Please retain your proof of purchase for any warranty claims.

Customer Support

For further assistance, technical support, or warranty inquiries, please contact GEYGUY customer support through the retailer where you purchased the product or visit the official GEYGUY website (if available).
When contacting support, please have your product model number (G521-1) and proof of purchase readily available.