



BS5 Bookshelf Speakers

LET US HELP!

Our friendly customer service team is standing by to answer questions, help with setup, or fix issues.



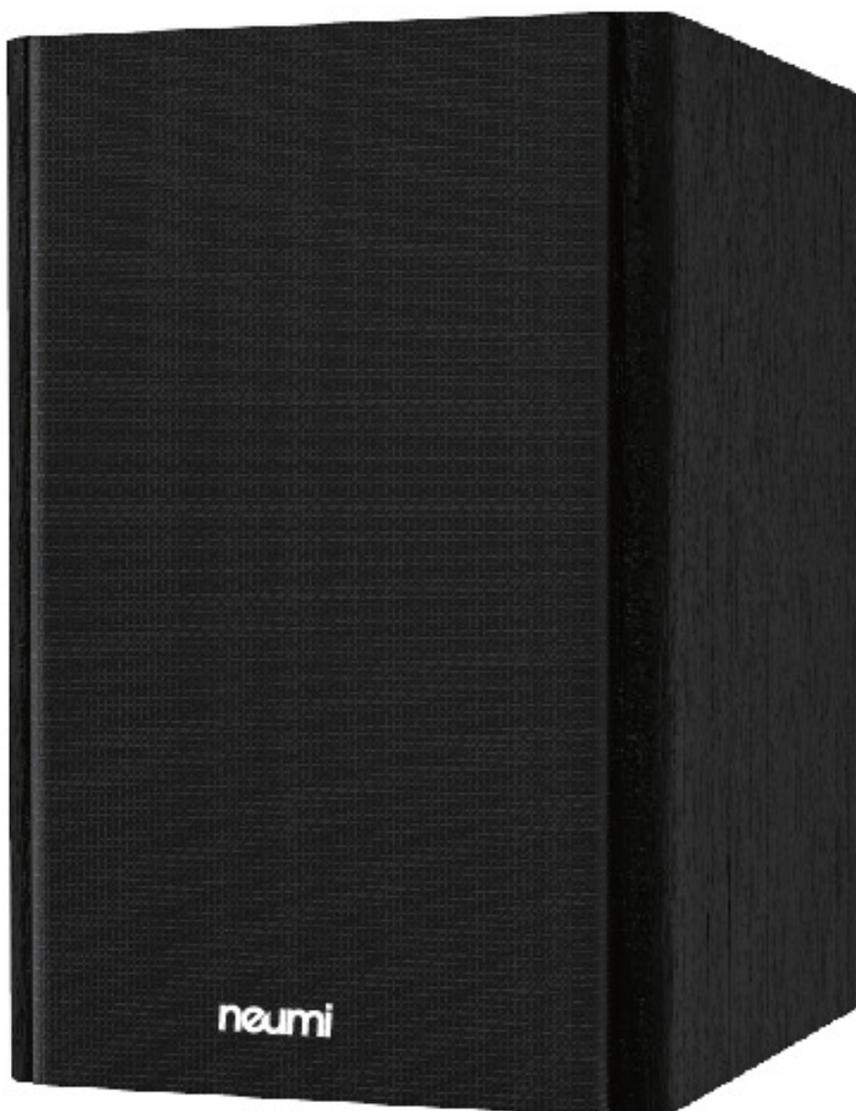
support@neumitech.com



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One Year Warranty



BS5

User Manual

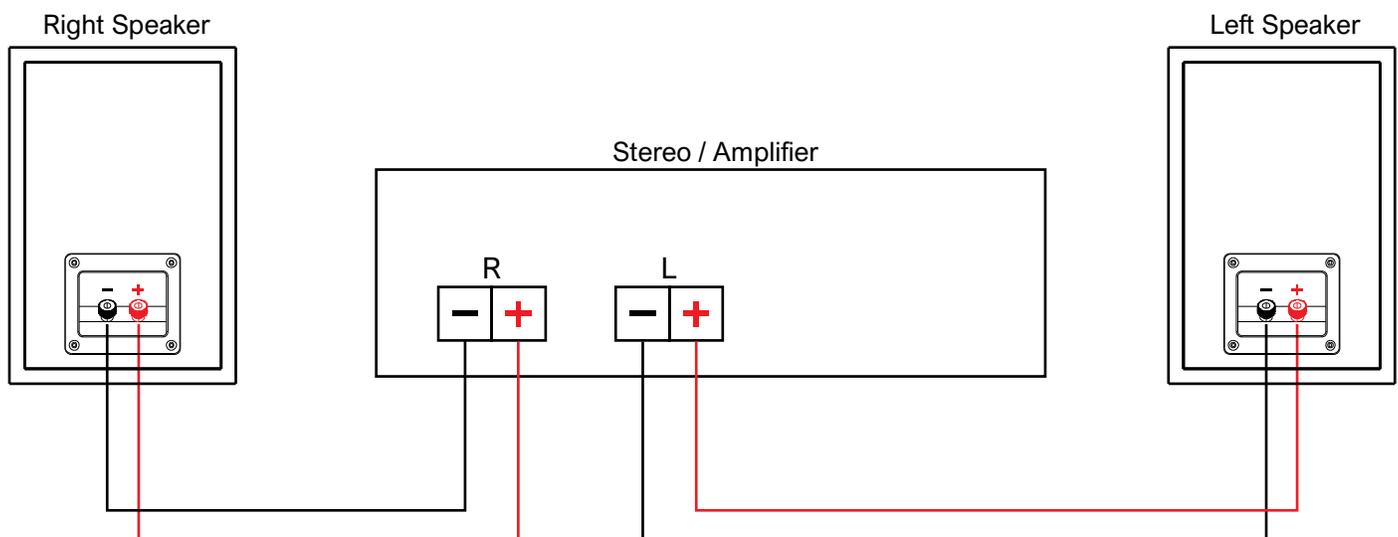
Congratulations on your purchase of the NEUMI BS5 bookshelf speakers! We have designed these speakers to deliver an engaging listening experience for both music and movies. Please read these instructions to get the best quality sound out of your new speakers!

Setup and Connections

Before these speakers can be used, be sure that you have the following:

- **Amplifier** - The BS5 are passive speakers that require an amplifier or home theater receiver to produce sound. They cannot be directly connected to a computer, music player, or phone to play sound.
- **Speaker wire** - Speaker wire is needed to connect the BS5 speakers to an amplifier. Since the length of speaker wire needed varies greatly depending on each setup, speaker wire is not included in order to reduce waste. We keep the BS5 affordable so that you can purchase speaker wires in the necessary length and thickness that best fit your needs.

The following diagram illustrates the connection between the speakers and the amplifier. Please be extra careful about the polarity of the connection, going from the positive (+) red connector on the amplifier output to the red connector on the BS5 speaker, and similarly for the negative (-) black connectors.

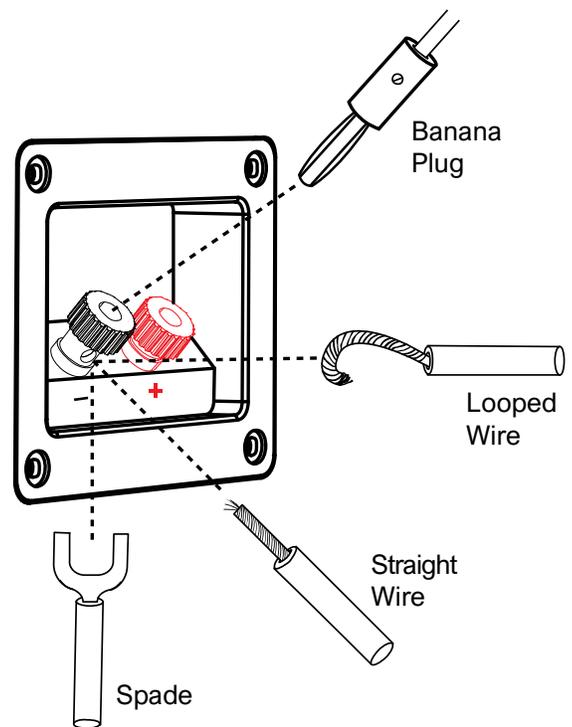


Note: A reversed connection polarity will cause the speakers to lack bass and sound thin. If something doesn't sound right, check the speaker connection polarity.

The BS5 is equipped with 5-way binding posts to work with a variety of different speaker wire connection methods. Please refer to the diagram to determine the best method for your speaker wire.

Simplest: Use the straight wire method - unscrew the 5-way binding post nut, insert bare speaker wire ends into the exposed hole, and tighten down the nut.

Recommended: Use banana plugs - either purchase speaker wire that is made with banana plugs, or purchase banana plugs separately and install onto speaker wire ends. Tighten down the 5-way binding post nut securely, and then insert the banana plug.



Amplifier Recommendations

The BS5 has a nominal impedance of 6 ohms and can be used with amplifiers or home theater receivers that have a power output rating of 15 to 100 watts per channel. Please check your amplifier's user manual to confirm that it is compatible with 6-ohm speakers.

Speaker Wire Recommendations

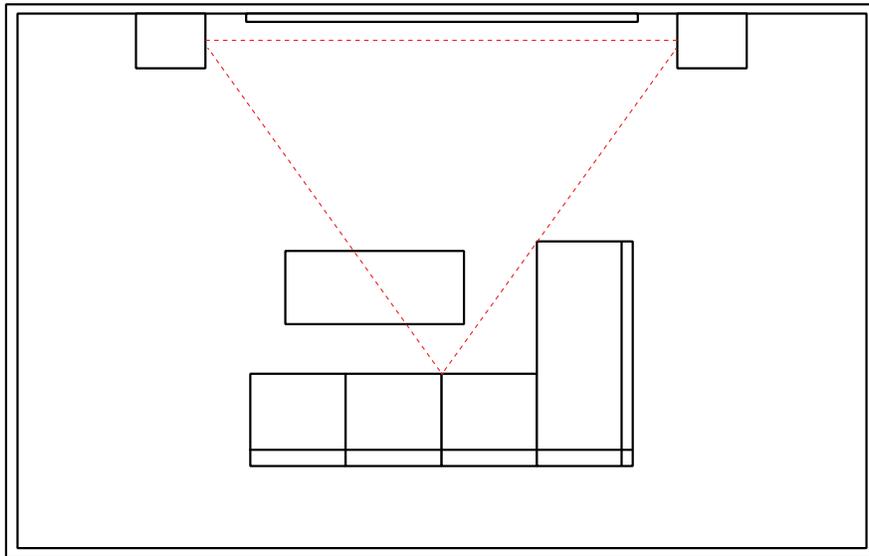
Inexpensive speaker wire is available from a wide range of online and local sources such as your local hardware store. You can purchase speaker wire that is already made to the length needed, or in spools of 50 feet or 100 feet and cut to the desired length. The thickness of the speaker wire needed depends on the length. Please reference the list below to find the thickness recommended for the length you need:

- 50 feet or less - 16 Gauge
- 50 to 80 feet - 14 Gauge
- 80 to 120 feet - 12 Gauge
- 120 to 200 feet - 10 Gauge

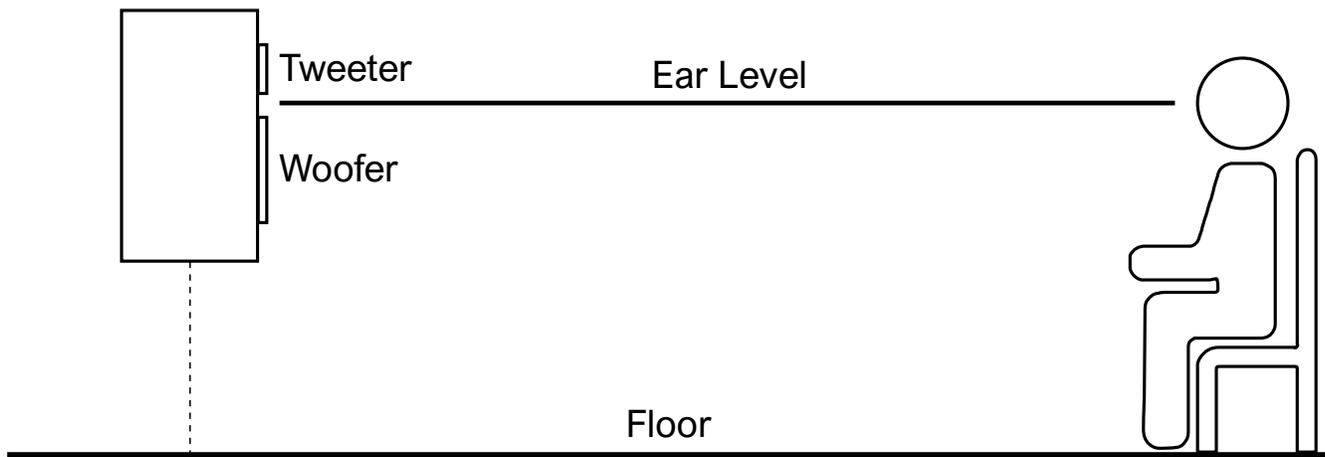
Placement Recommendations

Aside from the engineering and tuning that went into the design of the BS5 speakers, the most important factor that will determine how good it sounds is the placement of the speakers in your listening room. In general, the placement of the BS5 should be:

Symmetrical - To the extent possible, place the BS5 speakers about equal distance from the left and right side walls, forming an equilateral triangle with the main listening area.



At Ear Level - The speakers should be placed on speaker stands, shelf, or desktop that places it at the same level as the ear of the listener. Avoid placing the speaker much higher or lower than this level as it will degrade the sound. If the speakers must be placed at a different height, tilt the speaker to aim more directly at the listener.



Away From Hard Surfaces - Any hard surfaces such as bare walls, uncovered wood/tile floors, or tabletop will reflect sound and cause distortion. Keeping the speaker away from these hard surfaces will minimize these sound reflections and maintain clarity. Use the following as a guide:

- Back wall - At least 6 inches away from the back wall.
- Side walls - At least 2 feet away from a side wall. If a speaker must be placed close to a side wall, point it towards the main listening area.
- Floors - Avoid bare wood/tiles in front of the speakers. Floor coverings such as thick carpets and padded area rugs will help.
- Desktop - If used as desktop computer speakers, tilt the speaker up toward the listener to reduce reflections.

Other Tips

Toe Angle: Pointing the speakers forward without being aimed at the main listening area will generate the largest listening sweet spot. Aiming the speakers towards the listening area will make the speakers sound brighter, and enhance imaging at the central listening spot. Experiment with the toe angle to get the desired tonal balance and imaging.

Orientation: The BS5 is designed to be used vertically for optimal results. If needed, it can be used horizontally to fit space constraints. If horizontal placement is necessary, be sure to point the speaker more towards the main listening area.

Grill or No Grill: The BS5 was tuned for optimal audio performance without the grill. Using the grill will introduce a slight change to the audio signature which may be audible to some listeners due to their hearing acuity.

Wall Mount: To wall-mount the BS5, use shelf-type wall mount brackets that support the speaker from the bottom. If it's necessary to wall-mount the BS5 at a tilt angle, use a clamp-type wall mount bracket instead. Do not drill holes or drive screws into the BS5 - doing so will tangle the polyfill inside and damage the speaker.

CRT TVs/Monitors: Do not use the BS5 near CRT TVs or monitors. The magnets inside the speaker are not shielded and will cause image distortion on CRT-based displays, including permanent damage if left in place for a prolonged period.

Specification

Woofer: 5" fiberglass cone with rubber surround
Tweeter: 1" silk dome with waveguide
Crossover: 12dB/Octave tweeter; 12dB/Octave woofer
Enclosure Type: Dual front-ported
Frequency Response: 50Hz-20kHz (Typical In-Room)
Nominal Impedance: 6 Ohms
Sensitivity: 86dB 1W/1M
Power Handling: 15-100 Watts/Channel
Dimensions (each): 10.6" (H) x 7.2" (W) x 8.5" (D)
Weight (each): 7.5 lb

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation.

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LIMITED WARRANTY

Except where indicated differently, the following standard limited warranty is valid for NEUMI Branded products. Where differences and contradictions occur, warranty terms in product-specific description, listing, invoices, and receipts, those terms shall take precedence over the following standard terms.

The manufacturer warrants all NEUMI Branded products against defects in materials and workmanship for a limited period of 1 year, unless otherwise superseded by product-specific description, listing, invoices, or receipts. During this limited period, the manufacturer will repair or replace defective products at the manufacturer's sole option. Customer must pay for all return shipping costs during the limited period. The limited warranty period starts at the date of the original purchase. This limited warranty applies only to purchases from authorized NEUMI retailers. This limited warranty is extended only to the original purchaser and is valid only to consumers in the same country as the authorized retailer from which the original purchase was made.

This limited warranty only covers failures due to defects in materials or workmanship that occur during normal use. It does not cover failures resulting from accident, fire, flood, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, modification, service by anyone other than the manufacturer, or damage that is attributable to Acts of God. It does not cover the costs of transportation to the manufacturer or damage in transit. Customers should return defective products, freight prepaid and insured, to the manufacturer or authorized warranty service center only after receiving a Return Merchandise Authorization (RMA). Customers are required to provide a copy of the original sales invoice from an authorized retailer when making a claim against this limited warranty.

Within the term of this warranty, defective products sent to the manufacturer or authorized warranty center for warranty service will be assessed a fee to cover shipping and handling of the repaired or replacement product back to the customer. The fee amount depends on the product and covers labor/handling, packaging materials, and standard shipping.

Repair or replacement under the terms of this warranty does not extend the term of this warranty. Should a product prove to be defective in workmanship or material, the customer's sole remedy will be repair or replacement as provided under the terms of this warranty. If the defective product is discontinued the manufacturer may replace the product with an equivalent or superior product at its option. The limit of liability under this warranty is the original purchase price of the product. Any cost of re-installation is the sole responsibility of the customer and that cost shall not be the responsibility of the manufacturer. Under no circumstances shall the manufacturer or its retailers be liable for loss or damage, direct, consequential or incidental, arising out of the use of or inability to use the product. There are no express warranties other than described above.
