



Home Audio Products

MB42X G2 4-Inch 2-Way Loudspeaker

Thank you for purchasing the Micca MB42X G2 Bookshelf Speaker! This product has been designed for enjoyment in a variety of stereo and home theater applications. The G2 version is a reengineering of the popular MB42X for improved tonal balance, imaging, and transparency.

Please take the time to become familiar with the MB42X G2 and the placement options as detailed in this manual.

General Recommendations

Height - For listening from a fixed listening area, the MB42X G2 should be placed at the ear level of the listener, whether the listener is seated or standing in the listening area.

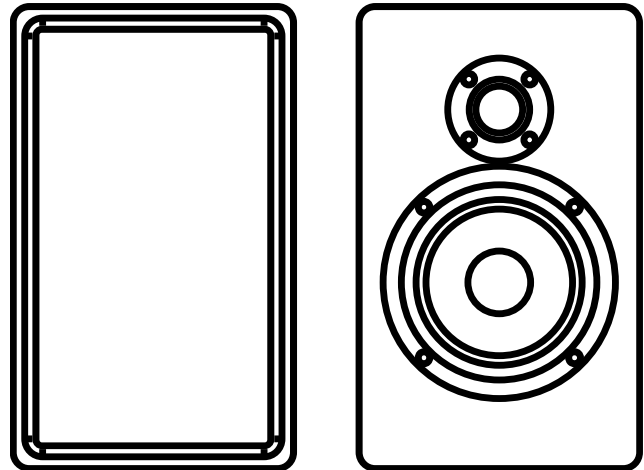
Separation - The distance between a pair of MB42X G2 speakers should be shorter than the distance from the speakers to the listener. Point the two speakers inward toward the listener slightly for best results.

Orientation - The speakers provide the best results in the vertical orientation. When the speakers are placed much higher or much lower than the recommended ear-level height, the speakers can be placed on their side to provide better off-axis performance in these less-than-optimal placements.

Usage-Specific Recommendations

Bookshelf Speakers

When placed on bookshelves, it is important to keep both speakers at the same height. Avoid placing the speakers at different heights as this will degrade the sound. Speaker height should be selected so that it is as close to the ear level as possible while considering whether listeners will be seated or standing in the listening area.



Stereo Speakers on Stands

When used with speaker stands, it is important to select speaker stands that place the speakers at the ear level of the listener. Do this by measuring the height of the listener's ear when seated in the listening area, and subtracting 6 inches. For example, if the listener's ear is measured at 36 inches from the floor when seated, select speaker stands that are approximately 30 inches high.

Desktop Near-field Monitor

The MB42X G2 can be used as desktop/near-field monitor speakers, such as when placed on either side of a display or mixing console. If the MB42X G2 cannot be located near ear level, foam monitor isolation wedges can be used to slightly tilt back the speakers and to decouple the speakers from the desk surface. Be aware that the MB42X G2 is not shielded and thus should not be placed in proximity to CRT displays or other magnetic-sensitive equipment.

Speaker Wire

The MB42X G2 should be connected to the amplifier with good quality oxygen-free copper speaker wire for best performance.

The gauge or thickness of the speaker wire can affect the performance of the MB42X G2.

Always choose a speaker wire of the appropriate gauge to prevent excessive speaker wire resistance. Using an undersized speaker wire can result in a loss of volume, detail, and dynamic range. Please select speaker wire for the MB42X G2 based on the following minimum recommendations:

50' or less - 16 Gauge 2 Conductor
50' - 80' - 14 Gauge 2 Conductor
80'-120' - 12 Gauge 2 Conductor
120'-200' - 10 Gauge 2 Conductor

Amplifier Connection

Amplifier speaker output terminals are typically color-coded with black for negative (-) and red for positive (+). Similarly, the MB42X G2 has speaker wire terminals with black and red color coding. When connecting the speaker wire, ensure that the positive terminal on the amplifier is connected to the positive terminal on the MB42X G2. And similarly, the negative terminal on the amplifier should be connected to the negative terminal on the MB42X G2.

Speaker wires typically use at least one of several possible methods to help maintain correct polarity, including color-coded insulation or conductor strands, or printing of text and symbols along one side of the wire insulation.

Amplifier Considerations

The MB42X G2's impedance varies from a minimum of 4 ohms to over 20 ohms. It is compatible with most amplifiers rated for 4, 6, or 8-ohm nominal speaker impedance. Some amplifiers have a speaker impedance selection switch; set this switch to 4 or 6 ohms if available. Improper amplifier selection or setup may result in permanent damage to the amplifier or speaker.

The MB42X G2 can be used with amplifiers between 15 to 100 watts per channel as long as reasonable care is exercised. If there is audible distortion, turn down the volume until the distortion goes away. Never allow the speaker and amplifier to play for more than a few seconds when there is audible distortion.

Removing the Grill

The MB42X G2 has a removable grill that is held in place by magnets. To remove the grill, carefully pull the grill off from the edge until the magnets are fully disengaged. To avoid damaging the speaker drivers, do not touch them either with or without the grill in place.

The MB42X G2 can be used without the grills installed as long as care is taken to prevent the drivers from damage such as by hard/sharp objects, liquids, pets, or hands. Store the grills in a safe dry place when not in use.

MB42X G2 Specifications

Woofers: 4" Carbon Fiber Cone with Rubber Surround
Tweeter: 0.75" Silk Dome
Crossover: 12dB/Octave
Enclosure: Ported Cabinet
Freq. Response: 55Hz-20kHz (Typical In-Room)
Impedance: 4-8 Ohms
Sensitivity: 86dB 1W/1M
Power Handling: 80 Watts (Each)
Dimensions: 9.5" (H) x 5.8" (W) x 6.5" (D)

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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