

MBQ[®]
MAKE THE BEST OF EVERY SOUND



MBQ[®]
MAKE THE BEST OF EVERY SOUND

www.mbqaudio.com

M62

USER MANUAL

HIGH PERFORMANCE 2 WAY COMPONENT SPEAKER SYSTEM

Safety precautions

Continuous, excessive exposure to sound pressure levels greater than 85dB can cause permanent hearing loss.

Introduction

Thank you for purchase of the MBQ component speaker system. These speakers represent a combination of incredible performance and value.

The M62 components feature Kevlar treated paper cones and silk dome tweeters.

Capable of maintaining their balance and clarity at exceptionally high output levels.

The specially designed tweeters allowing to be installed in any position for imaging improvement.

You are not having the installation carried out by a specialist workshop, please read the following installation instructions carefully.

As we are always finding new ways to improve our product, the features and specifications are subject to change without notice.

M62 2-Way Car Speaker Set

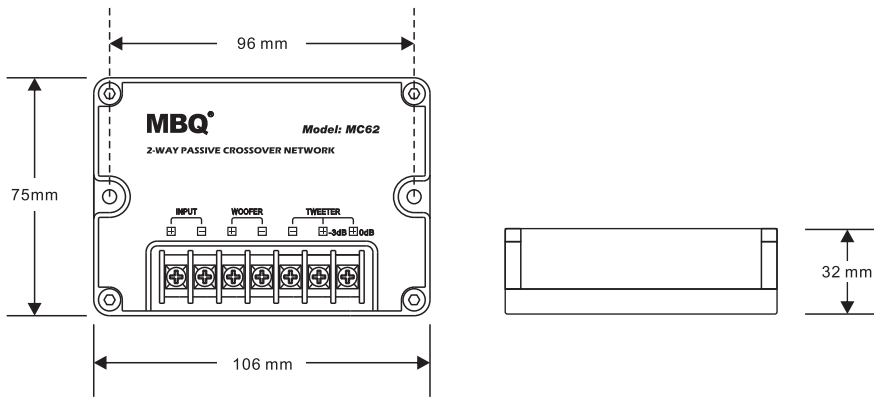
Parts List

- 1 pair of swivel tweeter
- 1 pair of 6.5" mid-range speakers with trays
- 1 pair of 2-way crossovers
- 3 grommet for the tweeter
- 2 adhesive pads for the tweeter
- This user Manual, including a template for preparing cut outs

KEY FEATURES

Woofers	
Cone	: Paper & Kevlar w/Nomex
Woofers Basket	: Cast aluminum chassis for high stiffness and openness
Woofers Surround	: Specially designed cloth surround, to maximize efficiency
Woofers Magnet Composition	: Ferrite
Voice coil	: KSV (Polyimide)
Spider	: Conex
Tweeter	
Tweeter Membrane	: Silk
Tweeter Magnet Composition	: Feature compact neodymium magnet system for high performance.
Neodymium magnet swivel tweeter allowed to be positioned anywhere in vehicle to maximize the imaging and sound performance.	
Crossover	
With db high pass (12db) low pass (6db) Tweeter level adjustment (0dB - 2dB), tweeter protection circuit.	

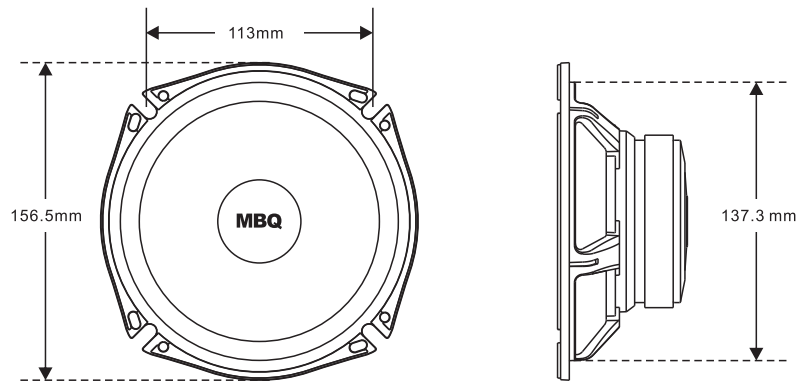
Crossover



Specification

Model	M62
Max Power	150 Watts Max.
Continuous Power	50 Watts
Nominal Impedance	4Ω
Sensitivity	92dB
Frequency Response	66-20,000Hz
Woofer Size	165mm (6 1/2")
Woofer Mounting Depth	58mm
Tweeter Dome Diameter	Φ 42mm
Crossover Frequency	4 KHz
Tweeter/Woofer Weight	65g / 950g

Speaker



Tweeter



Installation precautions

- Failure to disconnect the negative battery cable may result in electrical damage.
- Make sure mounting screws will not puncture fuel lines, brake lines, oil lines, electrical cables, or the vehicle's fuel tank.
- Once you have installed the speakers, make sure they are surrounded by padded material, otherwise vibrations of the speakers would result in sub-optimal sound.
- Your speakers will work well with a variety of electronic components. As little as 25 watts (RMS) per channel will deliver adequate listening levels in most cars.
- If you have a noisy car or intend to play your system at loud listening levels, more power is necessary to achieve the best performance.
- Consult your dealer for specific recommendations.

Planning the installation

Mid/Woofers

1. Determine where the speakers will be mounted. Make sure there is a flat area large enough for the speakers to fit properly. An uneven mounting surface can damage the speaker.
2. Take any panels or speaker grilles off. Nearly all speakers in the interior of a car will be covered with some sort of protective grill. Pry the grill off with a suitable tool, like a flat head screwdriver, removing any bolts or screws that are holding it in place if necessary.
3. Remove the factory speaker. Note that the speaker is usually, but not always, attached to a wiring harness, so take care not to rip it out when removing it. You may also find that you need to unscrew one or more small bolts and/or chip at any adhesive foam or glue that's holding the speaker in place.
4. Using the supplied template guide, mark the mounting hole and mounting screw hole location with a pen for each speaker.
5. Cut the holes for the speaker. When using correctly size factory location, this step can be passed.

WARNING: Check for clearance of window mechanisms and electrical wires before you drill.

- Connect wires to the new woofers. Make sure you match the polarity of the car and speaker's connections.
- Place the grille in the installation hole. Align the mounting screws and drive in the four mounting screws.

Tweeter

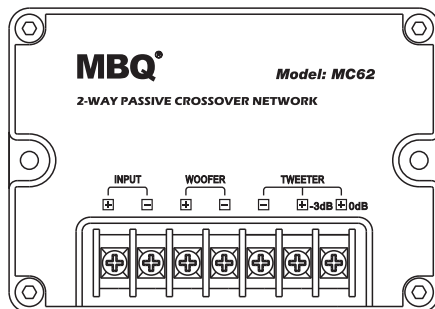
- Determine where the tweeter mounting location. This tweeter is designed to be mounted on the dashboard to enhance your system imaging and staging. Mount the tweeter driver onto the dashboard, A-Pillar or other surface with the supplied mounting bracket.
- Drill the small tweeter mounting screw holes on the mounting surface.
WARNING: Check for clearance of window mechanisms and electrical wires before you drill.
- Drill the larger hole and route the speaker wire through the hole to the crossover.
- Attach the tweeter housing using the supplied screws for a solid mount.
When all the components of your new speaker system have been installed, tested, and securely mounted in the car.

Crossover

Note: Try to mount the crossovers close to the speakers than an amplifier. It is recommended to locate the crossovers in a dry, preferably ventilated area. With music playing, position the tweeters in different locations around the passenger compartment, listening for their differences caused from these placements. We recommend using vocals for this test. You will be able to determine in a short time the best locations for your tweeters. The soundstage or image should "float" above the dash and not be localized to the physical location of the drivers or tweeters. Both passenger and driver should be able to hear both channels and a stereo image.

To connect the crossover with speakers, perform the following steps:

- Connect the speaker wires from the left amplifier output to the INPUT terminals on the crossover that will connect to the left speakers. Always ensure that the polarity is respected (+) is connected to (+) and (-) is connected to (-).
- Make sure the speaker wires for the woofer go to woofer output and the tweeter go to the tweeter output. Again ensure that polarity is respected.
- Mount the crossover using the supplied screws.



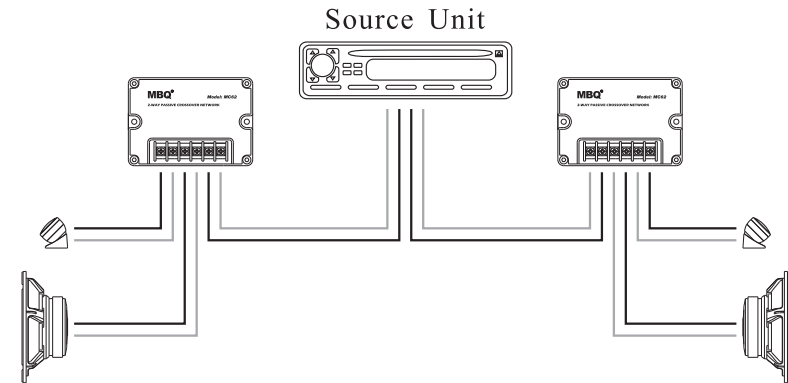
Mounting holes for crossover

Tweeter Output Attenuation

On each crossover, the tweeter level can be attenuated at 0dB and -3dB.
Note: The tweeter level adjustment should be depends on the location of the tweeter and your preference .

Wiring

Connect the speakers to the car radio keeping the polarities and following the crossover description



Connect the speakers to the amplifier keeping the polarities and following the crossover description

