



Custom Enclosed Subwoofers

MM10 10" Subwoofer

MM12 12" Subwoofer

The Bass Master Commands You!

Please inspect each loudspeaker and its enclosure carefully. Notify your Polk Audio dealer if you notice any damage or missing items. Keep the carton and packing material. They will do the best job of protecting your speakers if they need to be transported.

Important Information About Warranty & Installation

Your Polk/MOMO Custom Enclosed Subwoofer comes in its own enclosure (*thus the name*). Do not take the subwoofer out of its enclosure. This will void the warranty. Please be aware when handling the enclosure that plexiglass damage—such as scratches or cracks due to improper installation or misuse—is not covered under the warranty for this product.

Be careful. Subwoofer enclosures need to be installed in places where they can operate safely and not endanger the occupants of the automobile. Do not install the subwoofer enclosure on your car's rear deck. Do not install your subwoofer enclosure on your front dashboard or in your passenger seat. To get the safest, best performance from your Polk/MOMO Custom Enclosed Subwoofer, we recommend that you put it in your trunk.

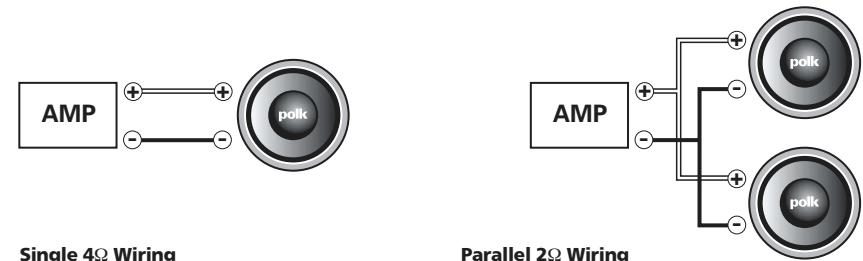
If you have any questions about these issues, please call Polk Audio's friendly Customer Service Department. Polk Audio Customer Service is available from 9am—6pm, EST, Monday through Friday, at 800-377-7655 (US & Canada only), outside the US please call 410-358-3600.

Connecting Your Polk/MOMO Custom Enclosed Subwoofers

The push terminal connectors are located on the underside of the Custom Enclosure. Because of this placement, it is best to use a bare wire or pin connection. For a bare wire connection, strip 1/2 inch (12.7mm) of insulation from each of the two conductors of your wire to expose the bare metal and twist each of the conductors into a single unfrayed strand (so you have two unfrayed strands). Note that one of the terminals on the enclosure is red (+) and the other is black (-). Make certain that you connect the wire from the red (+) terminal of your amplifier to the red terminal on the enclosure and the wire from the black (-) terminal of your amplifier to the black terminal on the enclosure. Most wire has some indicator (such as color-coding, ribbing or writing) on one of the two conductors to help you maintain consistency. To connect the bare wire to the push terminal, apply pressure to the terminal and insert the bare wire into the hole near the base and release. Do not insert the insulated part of the wire into the hole as this will not give you a good connection. Place the Custom Enclosure right side "up," making certain that the wire runs through the 'wire canal' on the underside of the enclosure. Be careful not to let the full weight of the enclosure rest on the wire.

Wiring Diagrams For Polk/MOMO Custom Enclosed Subwoofers

Please make certain that your amplifier is rated to carry the specified load.



Single 4Ω Wiring

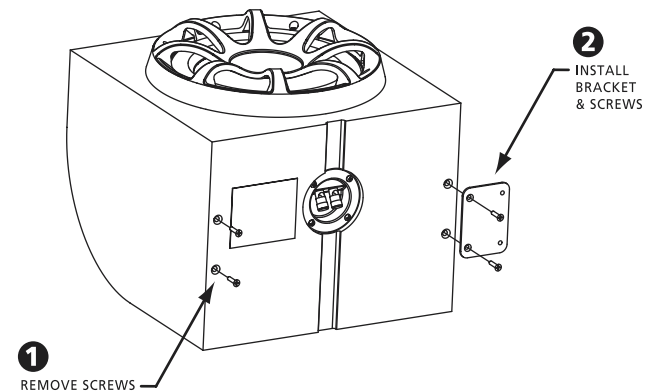
Parallel 2Ω Wiring

Two 4Ω speakers will present a 2Ω load. Make sure that your amplifier is 2Ω stable when configured in the bridge mode. Consult your amplifier's owner's manual before wiring in this configuration.

Put It In Your Trunk

Place your Polk/MOMO Custom Enclosed Subwoofer in your trunk or hatchback. Experiment to find the best location for your new subwoofer. Subwoofers in trunks or hatchbacks can fire either forward or backward for best sound. Positioning can make a big difference in sound quality.

MM12 & MM10 MOUNTING BRACKET INSTALLATION



WARNING: This Product MUST Be Secured When Installed!

Permanent mounting is not only the safest installation, but usually produces the best sound quality. This Custom Enclosure is heavy and has a smooth surface finish, and can slide around in a trunk during aggressive driving or a collision if unsecured. This could result in damage to the enclosure or the car.

Use either the mounting brackets provided, or, if you do not wish to drill into your car body, use a couple of large, well-placed pieces of industrial-strength hook & loop fastener attached to the enclosure and the trunk surface. Polk Audio takes no responsibility for damage done to car structures if this product is not secured.

Once you have found the best location, use the enclosed mounting brackets to secure the subwoofer enclosure to the body of your car. Use the screws included only to attach the bracket to the subwoofer enclosure. Attach the brackets to the bottom of the enclosure only. No screws are provided for car-body mounting purposes due to various types of trunk materials. The installer needs to choose the appropriate screw type and length for the intended trunk-mounting application. The installer must be careful when drilling into the car structure not to damage any important elements (fuel lines, electrical conduits, you know; stuff like that). Polk Audio takes no responsibility for damage done to car structures when securing this product. If you are at all uncertain about the best and safest way to install your subwoofer enclosure, consult your local Polk Audio dealer or professional installer.

Break It In

Your Polk/MOMO Custom Enclosed Subwoofer will achieve even greater performance once it is thoroughly broken-in. To break in your new custom enclosed sub, play 20 to 30 hours of music at moderate levels. Get more information online at Polk University: <http://www.polkaudio.com/car/faqad/index.php>

Amplifier Power Requirements For Polk/MOMO Custom Enclosed Subwoofers

With one subwoofer we recommend an amplifier with a power rating of at least 200-Watts (x 1 in bridged mode) to sufficiently drive this woofer. 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. More power is always better. Consult your Polk Audio dealer for specific recommendations.

Optimal Crossover Setting

We recommend using an active crossover with a 12 to 18dB per octave low pass filter slope, and setting it to an initial setting of 80 to 90 Hz as a good starting point. This is an optimal crossover setting on most vehicles.

Inverting Phase

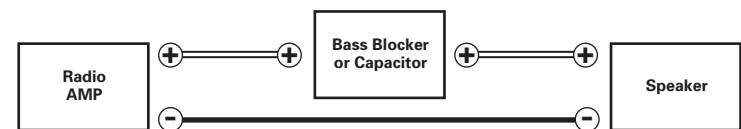
Depending on the placement of your custom enclosure and associated components, it may be necessary to invert the phase of one or another of your system's connections in order to gain better subwoofer/mid-range blending. Inverting the phase simply means switching the positive connections with the negative connections at the amplifier. If you choose to do this, invert the phase of only one set of speakers (either your mains, or your subs, never both).

Safe Limits Of Operation

Your Polk/MOMO Custom Enclosed Subwoofer is made with the highest quality materials for years of trouble-free performance. However, damage to loudspeakers can occur when an amplifier, regardless of its wattage, is made to play at higher listening levels than its power can clearly produce (usually beyond the "1 to 2 o'clock" position on the volume control). This results in very high levels of audible distortion, originating in the amplifier, which adds a harsh, gritty sound to the music. Contrary to popular belief, a speaker is more likely to be damaged by trying to get too much volume from a low-powered amp than from a high-powered one. Hear distortion? Turn it down. Contact Polk Customer Service 800-377-7655 (9am—6pm, EST, Monday through Friday).

Low Frequency Cut-Off For Mid-Range Speakers In Systems With Subwoofers

Now that you have a subwoofer in your system, you may want to decrease the amount of bass going to your mid-range speakers. This will get you better mid-range sound and increase the power handling. There are two ways to roll off the bass before it gets to your mid-range speakers. One way is to use a "bass blocker," a capacitor placed in series with the speaker input. Bass blockers are installed in series, one end connected with the positive lead from your amplifier and the other end connected to the positive lead of each of your speakers. Bass blocker capacitors (200 microfarad @ 100volts, non-polarized) are available at any RadioShack or parts supply house. The other route is to use an electronic crossover device that allows filtering below 100Hz or so. Find these devices at your authorized Polk Audio dealer.



Tech Assistance Or Service—Not Hearing Anything? Read This:

If, after following these hookup and installation directions, you experience difficulty, please double-check all wire connections.

Make certain your electronic equipment is operating correctly by hooking up another speaker to the speaker output. For example, if you are not getting sound from the left channel speaker, connect the right channel speaker to the left output. If you still get no sound from that side, the problem is in your amp or source electronics. Should you isolate the problem to the speaker, contact the authorized Polk Audio dealer where you bought your speakers. Authorized Polk Audio dealers are the best source for advice and assistance.

Polk Audio's Customer Service Department is available from 9am—6pm, EST, Monday through Friday, at 800-377-7655 (US & Can only, outside the US call 410-358-3600). Please do not hesitate to call us if you have questions about your speaker system. We positively love this stuff.

You will find additional information, informative articles, manual updates and cool stuff to buy that has “Polk Audio” all over it by visiting www.polkaudio.com.

Polk/MOMO Custom Enclosed Subwoofer Specifications

	MM10	MM12
Driver Complement	10"	12"
Nominal Impedance	4Ω	4Ω
Frequency response	20 – 300 Hz	20 – 200 Hz
Power Handling (watts continuous)	400 Watts	500 Watts
Power Handling (watts peak)	800 Watts	1000 Watts
Sensitivity (SPL at 1 watt / 1 meter)	85 dB	87 dB
Voicecoil Diameter	2.0 inches	2.0 inches

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Polk/MOMO Series 3 Year Warranty

Polk Audio, Inc. warrants the original purchaser only that this Polk Audio Polk/MOMO Product (the Product) will be free from defects in materials and workmanship for a period of (3) three years from the date of original retail purchase from a Polk Audio Authorized Dealer. However, this warranty will automatically terminate prior to the expiration of the (3) three year period if the original retail purchaser sells or otherwise transfers the Product to any other party. The original retail purchaser shall herein after be referred to as “you.” To allow Polk Audio to offer the best possible warranty service, please fill out the Product Registration Card(s) and send them to the Factory at the address provided in the Registration Card within (10) ten days of the date of purchase. Defective Products must be shipped, together with a proof of purchase, prepaid insured to the Authorized Polk Audio Dealer from whom you purchased the Product, or to Polk Audio, 2550 Britannia Blvd., Suite D, San Diego, CA 92154. Products must be shipped in the original shipping container or its equivalent; in any case the risk of loss or damage in transit is to be borne by you. If, upon examination at the Factory or Polk Audio Authorized Dealer it is determined that the unit was defective in materials or workmanship at any time during the Warranty period, Polk Audio or the Polk Audio Dealer will, at its option, repair or replace this Product at no additional charge, except as set forth below. All replaced parts and Products become property of Polk Audio. Products replaced or repaired under this Warranty will be returned to you, within a reasonable time, freight prepaid.

This Warranty does not include service or parts to repair damage caused by accident, disaster, misuse, abuse, negligence, inadequate packing or shipping procedures, commercial use, voltage inputs in excess of the rated maximum of the unit, cosmetic appearance of the cabinetry not directly attributable to defects in materials or workmanship, or service, repair, or modifications of the Product which has not been authorized or approved by Polk Audio.

This Warranty is in lieu of all other expressed Warranties. If this Product is defective in materials and workmanship as warranted above, your sole remedy shall be repair or replacement as provided above. In no event will Polk Audio, Inc. be liable to you for any incidental or consequential damages arising out of the use or inability to use the Product, even if Polk Audio, Inc. or a Polk Audio Dealer has been advised of the possibility of such damages, or any other claim by any other party. Some states do not allow the exclusion or limitation of consequential damages, so the above limitation and exclusion may not apply to you. This Warranty gives you specific legal rights which may vary from state to state.

This warranty applies only to Products purchased in the United States of America, its possessions, and U.S. and NATO armed forces exchanges and audio clubs. The Warranty terms and conditions applicable to Products purchased in other countries are available from the Polk Audio Authorized Distributors in such countries.

Attach your receipt
here and file for future
reference. It may
be required for
warranty service.



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