



THE GUITAMMER COMPANY INC.

*...leaders in low frequency sound...*

## **Instructions for Setting Up and Using the Silent Subwoofer™ for Car Audio by ButtKicker®**

### **Included Parts**

One Silent Subwoofer low frequency transducer

### **Overview - What is a Silent Subwoofer?**

Silent Subwoofer is a tactile transducer that transfers the feeling range of audio (low frequency) directly into the listener's body, rather than through the air, as with a traditional loudspeaker. The advantage of tactile versus airborne low frequency is that the volume of the system may be lowered, dramatically, without sacrificing impact or tone perception. The Silent Subwoofer produces no audible sound, but is designed to be used WITH speakers.

Consider the Silent Subwoofer as a mechanical subwoofer. However, instead of moving air, it moves the passenger's bodies inside the vehicle. A motor vehicle is an ideal application for Silent Subwoofer technology, because vehicles are inherently designed to shake and vibrate with road noise. Silent Subwoofer simply adds a slight amount of tactile audio energy to the vehicle's frame, enabling the passengers to feel bass, without excessive volume. In fact, the Silent Subwoofer vibrates the overall interior of the vehicle much less than a moderate-sized powered subwoofer.

### **Mounting and Placement**

For best results in a motor vehicle, the Silent Subwoofer must be attached to the frame of the vehicle, or structure other than sheet metal or loosely attached panels. It must also be installed vertically, so that the internal piston moves up and down, rather than side-to-side.

Each vehicle is different, both in structural and cosmetic design. There is no established formula for determining the best installation from vehicle-to-vehicle. However, excellent results have been achieved by screwing the Silent Subwoofer to the hump between or just behind the two front seats, often inside the bottoms of center consoles. Silent Subwoofers have also been successfully installed under center seats in SUV's, and with some smaller cars, trunk installations are acceptable, provided that the Silent Subwoofer is attached to a structural member, and not to sheet metal pans in the trunk.

Pictures of three different installation locations are included with these instructions.

### **Connecting to an Amplifier**

The Silent Subwoofer requires a 12-volt, 2-ohm stable amplifier, 500 to 1000 watts.

The Silent Subwoofer connects to the amplifier in the same manner as a loudspeaker. Use 12 to 14 gauge speaker wire. Signal for the system is the same as you would use with any add-on powered subwoofer system... either directly from a subwoofer output in the head unit, left or right pre outs in the head unit, or tapped into the right or left speaker feeds, using standard amp packs or step-down connectors for amplifier input.

Adjust the balance of the Silent Subwoofer with the rest of your system according to personal taste. Generally speaking, you should use the infrasonic or extreme low frequency filters "on". The Silent Subwoofer has tremendous power in the infrasonic range (5 -25 Hz) and since most music content has little usable material in that range, using the low filter gets rid of some of the excess extreme low end "garbage" that exists commonly in FM radio and satellite radio transmission. Other filtering and balancing with the audio system is simply based on personal taste, as with any subwoofer.



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### Further Information

Please visit [www.thebuttkicker.com](http://www.thebuttkicker.com) for further information regarding the Silent Subwoofer and other ButtKicker products.

### Specifications:

5 – 200 Hz frequency response  
2 Ohm impedance  
400 watts min. -1500 watts max.

### Support:

Please **DO NOT** contact the store where you purchased this product for support.

**Contact: The Guitammer Company Inc.**  
1-888-676-2828, 8:30 am – 5:30 pm EST  
Email us at: [support@guitammer.com](mailto:support@guitammer.com)  
Visit us online at: [www.thebuttkicker.com](http://www.thebuttkicker.com)

### Warranty:

This Guitammer Company product is warranted against defects in materials and workmanship for a period of one (1) year from the date of purchase by the original end-user. Items returned for repair under warranty will be repaired or replaced at the sole discretion of The Guitammer Company without charge for materials or labor, providing such items are returned for inspection, transportation prepaid, to The Guitammer Company or an authorized service center all repaired or replaced items will be returned freight collect. Warranties do not apply to products that have been subjected to abuse, accident, modifications, improper handling or installation, or repairs made by anyone other than The Guitammer Company or an authorized service center. The Guitammer Company shall be the final authority in the determination of all warranty service claims.

