



**ALPHASONIK®**

**Owner's Manual**

**CAPACITOR**

**PCP15LDE**

ALPHASONIK WAS FOUNDED IN 1976 WITH ONE MISSION, TO BRING STATE OF THE ART PERFORMANCE TO THE CAR AUDIO ENTHUSIAST.

In those early years we pioneered such ground-breaking technologies as amplifier fan cooling and high voltage signal transfer which remain a benchmark in high-end audio.

Today, the new Alphasonik is committed to pushing the envelope with regard to technology, quality and value. Our electronics feature audiophile parts and circuit topology designed to let the full musical experience come through, loud and clear. Our loudspeakers employ the latest high technology materials and processes such as carbon reinforced woven glass and titanium vapor deposition to deliver your music with tremendous impact, dynamics and resolution.

We stand behind our quality with one of the best warranties in consumer electronics. Compare Alphasonik car audio products against anything competition has to offer. We're confident you will come to one conclusion...

Thank you for purchasing this Alphasonik product. Alphasonik products are specifically engineered and designed for the mobile audio environment. This manual contains important information about installation, set-up procedures and integrating your new Alphasonik product into your vehicle. With proper care and installation, your new product will provide you with many years of high performance listening enjoyment. We recommend having an Authorized Alphasonik Dealer install your new product for optimal performance and to take advantage of our warranty program. Before installing your new product, please read through the manual to fully understand the application.

Before making any electrical connections, make sure that you disconnect the battery's ground cable to prevent the possibility of short circuits or damage to your electronic equipment. If your vehicle's stereo (head unit) comes with an Anti-theft code, DO NOT disconnect the battery. If you have the access code for the stereo (head unit), please refer to the vehicle's owner's manual.

**WARNING!!!**

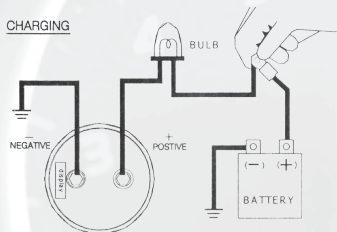
**Before making or breaking any electrical connections, please make sure to read the following instructions on how to properly charge and discharge the capacitor. Not following the charge / discharge instructions can lead to permanent damage to the capacitor, which is not covered under the manufacturer warranty.**

For maximum performance, the capacitor should be installed as close to your amplifier(s) as possible. The ideal location is one which allows for short wiring runs while keeping the capacitors somewhat isolated from the heat created by the amplifier system. The positive (+) power wire should be kept as short as possible and be connected to the amplifier's battery supply input. We recommend that a high performance distribution block be used to create a splice into this cable (see Fig. 1). You may also use the capacitor itself as a distribution block by adding multiple power wires to the terminals located on the top of the capacitor.

No fuses should be installed in the wire between the capacitor and the amplifier system (make sure there is an appropriate fuse at the battery in the main power supply cable). The ground cable for the capacitor should also be made as short as possible and be connected directly to the vehicle chassis at a bare metal location. Do not ground the capacitor directly to the amplifier ground terminal or ground cable. The capacitor and all other components in the system should be grounded using separate ground cables. It is ok to ground them to the same point on the chassis or frame, just not connected directly to each other. (see Fig. 1) The positive (+) and negative (-) wires for the capacitor should be the same gauge as the amplifier's power and ground cables.

## Charging

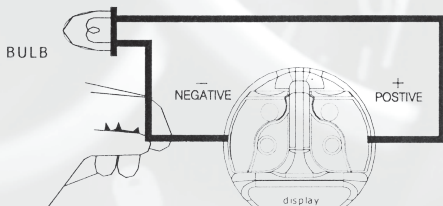
After mounting the capacitor in its final position, attach the ground to the capacitor and the chassis grounding location. Next hold the supplied bulb between the (+) positive battery lead and the (+) positive terminal of the capacitor. If using a bulb, it should light up for a short time (normally 15-30 seconds or so) and then go out. After waiting for the capacitor to charge, remove the bulb or resistor and immediately attach the power (+) cable to the capacitor. The best way to ensure the cap is charged best is to keep the bulb attached until you touch the main power (+) wire to the capacitor, then remove it.



## Discharging

If you plan to store your vehicle or plan on not using the system for a long period of time, we suggest to remove the capacitor. Anytime you disconnect the capacitor's power wire from the battery, you need to properly discharge the capacitor. This is done by using the same supplied bulb as you used for charging the capacitor. Take the bulb and place the ends across the negative (-) and positive (+) terminals of the capacitor. This will cause the capacitor to safely discharge so it can be stored away.

### DISCHARGING



Investigate the layout of your vehicle thoroughly before drilling or cutting. Take care when you work near the gas tank, gas lines, hydraulic lines, electrical components and electrical wiring. Do not use the equipment unmounted. Attach this system securely to prevent damage, particularly in the event of an accident or aggressive driving. Do not mount the system so that wire connections are unprotected or are subjected to pinching or damage from nearby objects. Before connecting or disconnecting power connections at the system power terminals, disconnect the +12V DC wire at the battery end. Confirm that your source unit and other equipment are turned off while connecting the input terminals. If you need to replace the power fuse, replace it only with a fuse identical to the provided fuse. Using a fuse of different type or rating may result in damage to the system, which is not covered by the manufacturer's warranty. Do not install any product where it may be subjected to excessive heat, moisture and dust or where it may be repeatedly kicked, brushed or bumped. Make absolutely sure that the terminals for the products are connected to the proper inputs and outputs from the music source. Never run the wiring on the outside of the vehicle or under it where it can be damaged by road hazards or any moving parts of the vehicle. Use existing wire channels, sills, panels and molding strips inside the vehicle to hide the wiring for safety and a neat appearance.

## DISCLAIMER

**IMPORTANT:** Never cut any metal that is an integral part of the vehicle's safety or structural support system. If you are unsure, it is best to have the product professionally installed by an Authorized Alphasonik Dealer. Never sacrifice your safety for sound.

Alphasonik, Inc. warrants this product against all defects in material and workmanship for a period of one (1) year from the date of original purchase provided it was purchased from an Authorized Alphasonik, Inc. Dealer.

The conditions of this warranty and the extent of the responsibility of Alphasonik, Inc. under this warranty are as follows:

1. DATED PROOF OF PURCHASE IS REQUIRED FOR WARRANTY SERVICE OF THIS PRODUCT. Information about Alphasonik, Inc. authorized warranty service may also be obtained at [www.alphasonikinc.com](http://www.alphasonikinc.com) or by contacting or writing Alphasonik, Inc. at the address listed on the back of this booklet.

2. This warranty will become void if service is performed by any one other than an approved Alphasonik, Inc. Warranty Service Center.

3. This warranty does not apply to any product which has been subjected to misuse, neglect or accident, or which has had the warranty seal broken, serial number altered, defaced or removed, or which has been connected, installed adjusted or repaired other than in accordance with the instructions furnished by Alphasonik, Inc.

4. This warranty does not cover car static, electrical interference, adjustments or labor costs for the removal or reinstallation of the unit for repair.

5. The sole responsibility of Alphasonik, Inc. under this warranty shall be limited to the repair or replacement thereof, at the sole discretion of Alphasonik, Inc.

6. If it becomes necessary to send the product or any defective part to Alphasonik, Inc. or an authorized service station, the product must be shipped in its original or equivalent carton, fully insured, with shipping charges prepaid. Alphasonik, Inc. will not assume any responsibility for any loss or damage incurred in shipping.

7. This warranty is not transferable and protects the original purchaser provided they reside and made their purchase in the United States. International consumers may contact their local retailer or distributor for warranty information.

8. ALL IMPLIED WARRANTIES, EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, SHALL HAVE NO GREATER DURATION THAN THE WARRANTY PERIOD SET FORTH ABOVE. UNDER NO CIRCUMSTANCES SHALL ALPHASONIK INC. BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT. BECAUSE SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

9. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

10. Should you have any difficulties with the performance of this product during warranty or with any Alphasonik, Inc. authorized service center, you may contact the Alphasonik, Inc. National Service Manager at the address listed on the back of the booklet card or call 714.670.8950 for a listing of Authorized Warranty Service Centers in your area.

### **INSTALLED WARRANTY**

**(When purchased from and installed by an Authorized Alphasonik, Inc. Dealer)**

Speaker and Accessories: 1-year over-the-counter defective exchange plus 1-year repair or replacement at the sole discretion of Alphasonik, Inc.

Electronics: 1-year over-the-counter defective exchange, plus 1-year repair or replacements at the sole discretion of Alphasonik, Inc.

An Alphasonik Extended Warranty Registration Card must be submitted to Alphasonik, Inc. within 30 days of purchase. To process any warranty claim, Alphasonik, Inc. will require the dated proof of purchase, which must specifically show the model and serial number and that installation was provided for the product in question. All other terms per Alphasonik, Inc.'s standard one-year warranty apply.



**ALPHASONIK®**

**PROUD MEMBER OF**



**ALPHASONIK INC.**

**7050 VILLAGE DRIVE BLDG. G**

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**[www.alphasonikinc.com](http://www.alphasonikinc.com)**



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