



ALPHASONIK

APP122

OWNER'S MANUAL

alphasonik.com



ALPHASONIK WAS FOUNDED IN 1976 WITH ONE MISSION, TO BRING STATE OF THE ART PERFORMANCE TO THE 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 quality 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 products with one of the best warranties in consumer electronics. Compare Alphasonik audio products against anything the competition has to offer. We're confident you will come to one conclusion...

Introduction_____	3
Contents of Carton_____	4
Mounting & Hi-Level Inputs_____	5
Controls and Functions_____	6 - 9
Specifications_____	10
Troubleshooting_____	11
Warning and Disclaimer_____	12
Warranty_____	13-14

Thank you for purchasing this Alphasonik product. This manual contains important information about installation, set-up procedures and integrating your new Alphasonik product into your audio setup. 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 cables to prevent the possibility of short circuits or damage to your electronic equipment.

WARNING

Continuous exposure to sound pressure levels over 100dB may cause permanent hearing loss. High powered autosound systems may produce sound pressure levels well over 135dB. Need we say more! Use common sense.

Date of Purchase: _____ Model Number: _____

-
- Amplifier
 - Enclosure
 - Amplifier Wiring Kit
 - Remote Bass Knob
 - Sticker
 - Operations Manual

1. Make sure to carefully read and understand the instructions before attempting to install your new Bass System.
2. Before making any electrical connection, make sure that you disconnect the battery's ground cable to prevent the possibility of short circuit or damage to your electronic equipment.
3. For easier assembly, we suggest you run all wires prior to mounting your amplifier and/or enclosure.
4. Route all of the RCA cables close together, and away from any power wires.
5. Think before you drill! Be careful not to cut or drill into gas tank, fuel lines, brake or hydraulic lines, vacuum lines, or electrical wiring when working on any vehicle.
6. Avoid running wires over or through sharp edges. Use rubber or plastic grommets to protect any wires routed through metal, especially the firewall.
7. ALWAYS protect the battery and electrical system from damage with proper fusing.
8. When grounding to the chassis of the vehicle, scrape all paint from the metal to ensure a good clean ground connection. Grounding connections should be as short as possible, and always be connected to metal that is welded to the main body or chassis of the vehicle.

The mounting position of your Bass System will have a great effect on the sound performance produced.

TRUNK MOUNTING

Mounting the enclosure in the trunk provides a good overall performance.

PASSENGER COMPARTMENT MOUNTING

Mounting the enclosure in the passenger compartment provides optimum sound, but reduces the area for passenger seating.

LOADING

Facing the enclosure towards a wall will increase the low frequency sounds.

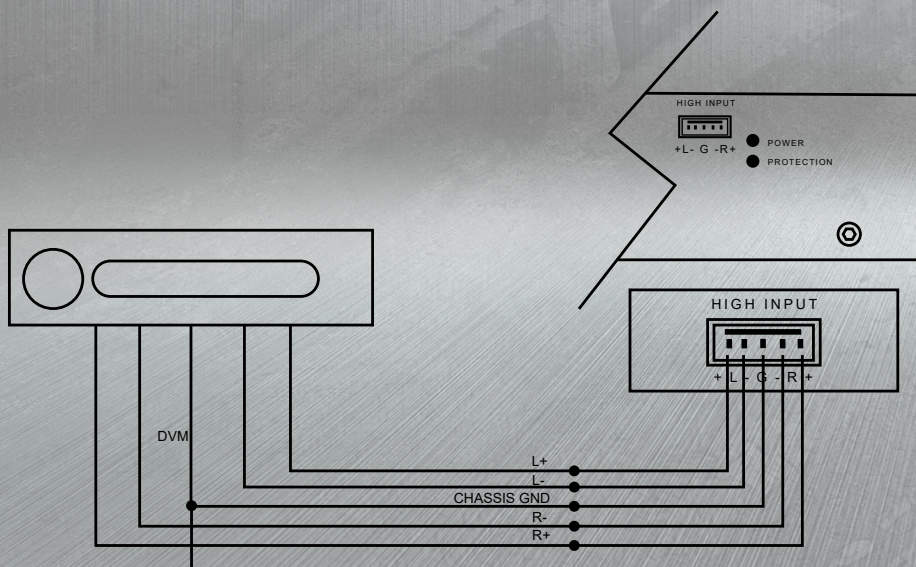
Use one of the two following signal connections

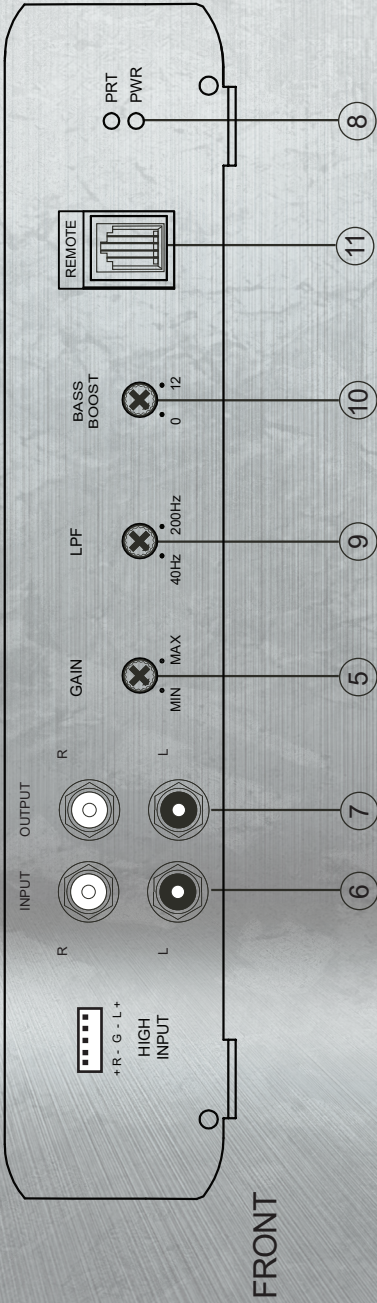
RCA Cable Connection

1. Connect the RCA cable into the correct output terminals on the back of the source or Hi/Lo level converter.
2. Connect the RCA cable into their perspective plugs on the amplifier.

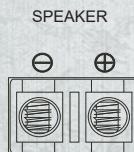
High Level Input Connections

1. Using the cord provided with the kit, splice directly into the source unit's speaker outputs. Do not break the connection with the source unit and the speakers. Be sure to maintain proper speaker polarity.



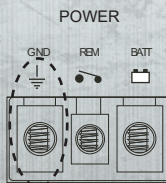


1. Speaker Terminals



These chrome plated connectors can accept wire gauges from 16 - 8 gauge. Be careful to observe proper polarity when connecting the cables.

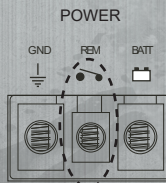
2. B - Terminal (Chassis ground)



To avoid unwanted ignition noise caused by ground loops, it is essential that the amplifier be grounded to a clean bare metal surface of the vehicles chassis.

NOTE: GROUND WIRE SHOULD NOT BE EXTENDED MORE THAN 3FT. (1 METER)

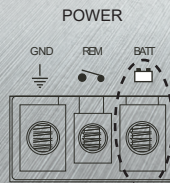
3. Remote Turn-On Input



This lead goes to the power antenna output of the car stereo, (Some Car Stereo's have a dedicated remote output) This amplifier is turned "ON" remotely when the vehicle's stereo is turned "ON".

NOTE: IF YOUR RADIO DOES NOT HAVE +12 VOLT OUTPUT LEAD WHEN THE RADIO IS TURNED ON, THE "REMOTE" TERMINAL ON THE AMPLIFIER CAN BE CONNECTED TO THE VEHICLE'S ACCESSORY CIRCUIT THAT IS LIVE WHEN THE KEY (IGNITION) IS "ON".

4. B+ Terminal (Battery Positive)



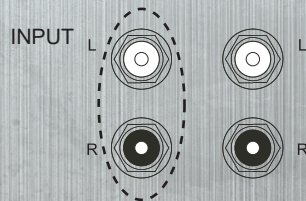
Due to the power requirements of the amplifier, this connection should be made directly to the positive (+) terminal of the battery. For safety purposes, install an in-line fuse holder as close to the battery positive (+) terminal as possible with an ampere rating not to exceed the total value of fuses in the amplifier.

5. Input Sensitivity Adjustment



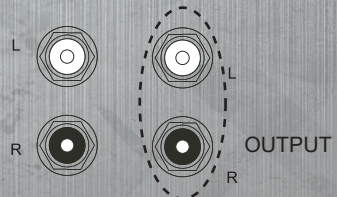
This control adjusts the amplifier's sensitivity to match the signal strength coming from the source unit. Input sensitivity is variable from 200 Millivolts to 8 volts. Clockwise increases sensitivity. Counterclockwise decreases sensitivity. **THE KNOB IS NOT A VOLUME CONTROL.** A lower signal level will require increased sensitivity for full power. A higher signal will require decreased sensitivity.

6. Low Level Input RCA Jacks



These inputs are for signal cables from the source unit or other processor. Always use high quality shielded RCA cables.

7. Low Level OUT RCA Jacks



The LINE OUT allows you to build multiple amplifier systems without having to use splitter cords to distribute the signal. Now it is a simple matter of bridging one set of RCA cables into the first amplifier, then using the line out RCA jacks as the feed to the next amplifier.

8. LED indicator (Status)



- PRT (Protection) : The amplifier protection circuitry will disable the amplifier if input overload, short circuit, or extremely high temperature conditions are detected. When the protection mode is in operation, the LED indicator on the side panel will be illuminated, indicating the amplifier has gone into a self-preservation mode.

-PWR (Power) : This LED will illuminate when the amplifier is turned "ON". If it fails to illuminate, check the power connections to the amplifier and fuses.

9. Low Pass Filter Control



Adjust the variable crossover frequency with control knob as desired. The amplifier input circuit filters out everything above 40Hz - 200Hz (dependent on the adjustment of the frequency control), so only the lowest bass notes are amplified.

10. Bass Boost Control



Bass Boost Control increases from 0dB to +12dB

11. Remote Bass Knob Port



Mounting and Installation

1. Using the screws provided with the kit, find a location under the dash, center console, or a place that gives easy access to the remote bass boost knob.
2. Plug in the supplied cord into the back of the bass boost knob.

Adjusting the Level

To adjust the level setting, first turn the amplifier gain all the way down. Then turn the source volume up until distortion is audible, and then turn it down until distortion is inaudible. Next, turn the amplifier level setting until once again distortion is audible, and then back it down until distortion is inaudible.

Model Number	APP122
Power RMS	500 Watts
Max Power	1500 Watts
Frequency Response:	26Hz-1kHz
Enclosure	Dual 12"

Enclosure Dimensions:

- MDF (Medium-density fiberboard) Construction w/ Black Carpet
- Height: 13.75"
- Width: 29.50"
- Length: 13.50" Bottom / 9" Top

Amplifier Features

- Mono-Block Amplifier
- HI -Level Inputs
- RCA Throughput Connections
- Bass Boost Control
- Thermal Protection
- Nickel plated terminal blocks
- Proprietary Aluminum Heat Sink
- LED Power Illumination
- LED Protection Illumination
- THD 0.2%
- S/N Ratio >100dB
- Input Sensitivity 0.3 - 8V
- Powder coated Chassis

Installation Kit

- 17' 8 awg. Power Cable
- 3' 8 awg. Ground Cable
- 17' 18awg. Remote Turn-On Wire
- 17' RCA Cable
- ATC Fuse Protection
- Accessory Hardware Package w/ wire-ties

SYMPTOM	CHECK POINT	CURE
No sound	Is the amplifier power LED illuminated?	1. Check fuses in amplifier 2. Check turn-on lead 3. Check signal leads 4. Check gain control 5. Check source unit volume 6. Clean contacts on fuse holders
	Is the amplifier overload LED illuminated?	Check speaker for short or amplifier for overheating
	Check impedance with Ohm meter	If no reading, replace speaker
	Check that the speaker moves freely	If speaker won't move, replace speaker
Speaker is making a rattling noise	Check that speaker is secured properly and tightened with screws	Tighten mounting screws
	Check enclosure construction	Check that the enclosure is debris free
	Check speaker polarity	Correct polarity
No sound from one coil	Check speaker leads	1. Inspect for short circuits 2. Check for open connections
		Reverse left and right speaker leads to determine if it is occurring before the speaker
Speaker is distorting at high volume levels	Check speaker load impedance capabilities for the amplifier	Confirm that the speaker load impedance recommendations are followed. Check the wiring configuration of the speakers. (To verify proper load impedance, use an OHM meter to measure the total load for each channel of the amplifier.
	Verify that amplifier and/or crossover settings are correct	Select low-pass setting

If you observe that the protection LED is lit, please check the system carefully to determine what has caused the protection circuit to engage. The amplifier shut down due to a thermal overload condition, please allow it to cool down before restarting. If the amplifier shut down because of an input overload or short circuit, be sure to repair these conditions before attempting to power up the amplifier again.

Do not use the equipment unmounted. Do not mount the system so that wire connections are unprotected or are subjected to pinching or damage from nearby objects. Confirm that your source unit and other equipment are turned off while making connections. 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 audio source.

Disclaimer

Specifications are subject to change without notice.
For the most updated Specifications check the Alphasonik
website. www.alphasonik.com

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

1. DATED PROOF OF PURCHASE IS REQUIRED FOR WARRANTY SERVICE OF THIS PRODUCT. Information about Alphasonik authorized warranty service may also be obtained at www.alphasonik.com or by emailing Alphasonik at support@alphasonik.com.
2. This warranty will become void if service is performed by any one other than an approved Alphasonik 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.
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. This warranty does not cover car static, electrical interference, adjustments or labor costs for the removal or reinstallation of the unit for repair.
6. The sole responsibility of Alphasonik under this warranty shall be limited to the repair or replacement thereof, at the sole discretion of Alphasonik.
7. If it becomes necessary to send the product or any defective part to Alphasonik or an authorized service station, the product must be shipped in its original or equivalent carton, fully insured, with shipping charges prepaid. Alphasonik will not assume any responsibility for any loss or damage incurred in shipping.

8. 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.
9. 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 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.
10. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.
11. Should you have any difficulties with the performance of this product during warranty or with any Alphasonik authorized service center, you may contact Alphasonik by emailing us at support@alphasonik.com.

PROUD MEMBER OF



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