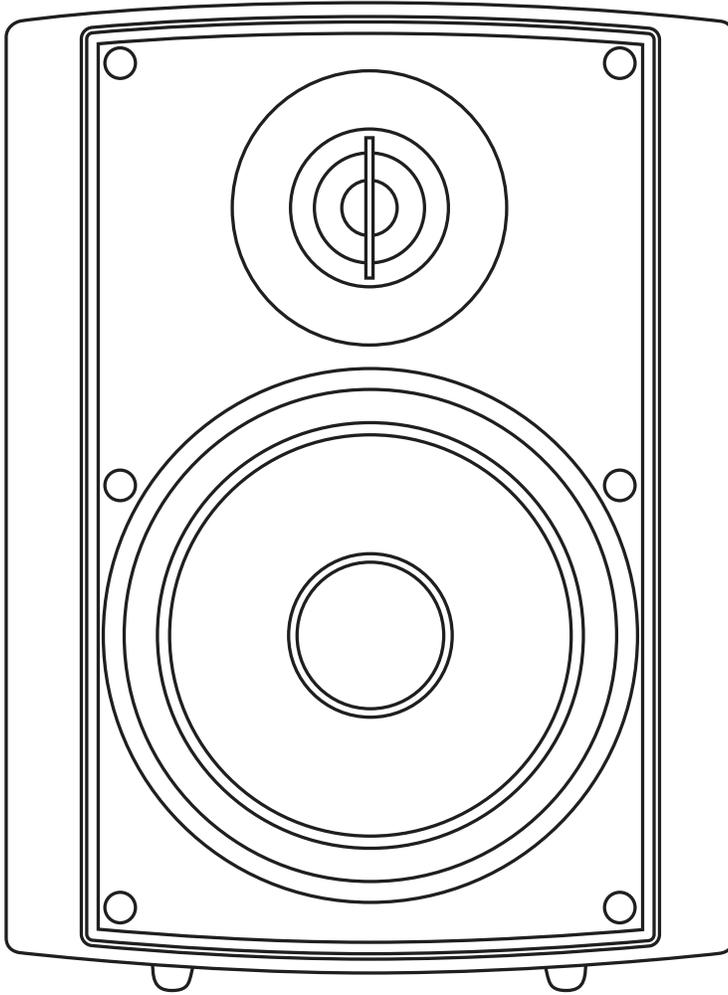


AW-5

Indoor/Outdoor Speaker



Atlantic
TECHNOLOGY

Instruction Manual

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Model AW-5 Indoor/Outdoor Speaker

Thank you for choosing Atlantic Technology products. Your new speaker's components are precision-crafted to give you years of enjoyable, trouble-free service. This manual covers the Atlantic Technology AW-5 Indoor/Outdoor speaker.

IMPORTANT: *Although it may seem like asking for driving directions, please take a few moments to read all of this booklet. It has many helpful tips and ideas on properly setting up and using your system. We promise that if you take the time to read and follow these tips you'll get better system performance and more enjoyment.*

Unpacking the Speakers

Use care when unpacking the speakers. Remember to save all packing materials until you are certain that the speakers have suffered no damage in shipment. If you find such damage, either visible or internal, contact your dealer immediately.

If you can do so, save the carton, packing pieces, and plastic bags that came with your speakers. They will be useful in case you move or have to ship your speakers for any reason.

For Future Reference

Record the serial number and date of purchase for each speaker here. The serial number is found on the speaker terminal panel on the back of the enclosure.

Serial Number _____

Date of Purchase _____

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Specifications are those in effect at the time of printing. As part of our ongoing program of continuous product improvement, Atlantic Technology reserves the right to change specifications or appearance at any time without notice or obligation to modify existing product.

Description

Model AW-5 Indoor/Outdoor Speaker

Congratulations on your purchase of the Atlantic Technology AW-5 indoor/outdoor speakers. Utilizing tough, environmentally-resistant materials and state-of-the-art acoustic design, the AW-5 lets you take Atlantic Technology's famous sound outdoors.

The advanced design of these speakers deliver detailed, articulate sound for a dramatic listening experience. Each speaker contains a MLH (Mineral Loaded Homopolymer) 5 1/4" (134mm) woofer and an advanced 1" (25mm) ferrofluid-cooled, titanium tweeter with a powerful neodymium magnet structure. The drivers are mounted in an acoustically inert, heavily-reinforced enclosure made from mineral-filled polypropylene. This is a far more neutral, less "ringy" material than is typically used with conventional outdoor speakers, and it contributes to the AW-5's amazingly musical sound.

All the component parts of the AW-5 have been designed for durability under harsh conditions: UV and impact resistant cabinets, aluminum powder-coated grilles and mounting brackets, and gold-plated speaker terminals.

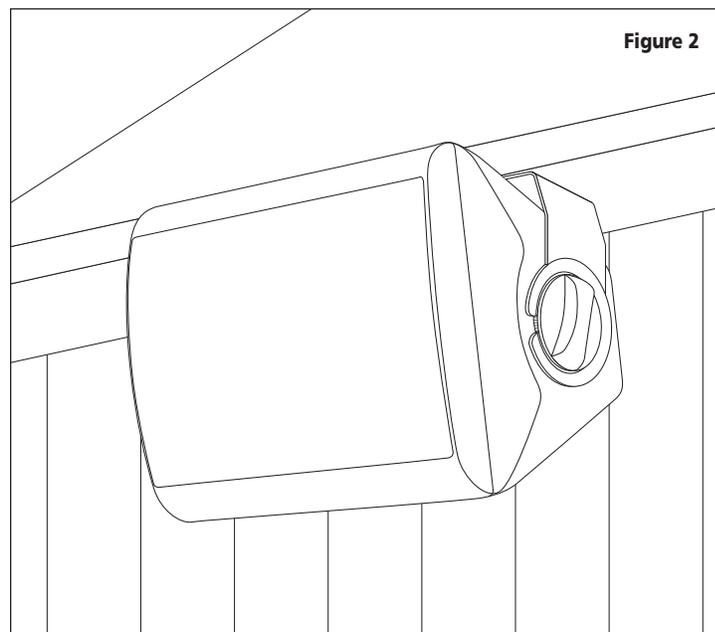
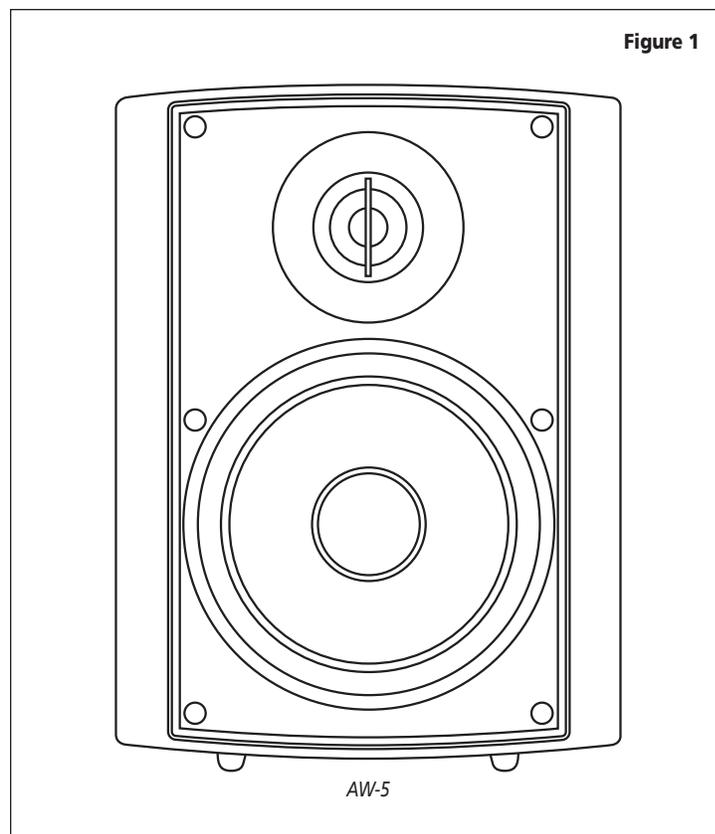
Speaker Placement

Placement has a significant impact on the sound of your system. Please take a few minutes to experiment with different speaker locations to assure that you obtain adequate coverage of your primary listening area before you commit to running speaker wire and permanently attaching the mounting brackets.

The speakers should be far enough apart that you get a good stereo "image" when they are playing, but not so far apart that the sound seems to come only from each individual speaker. Six to ten feet (2-3 meters) is usually the best distance.

Wall- or corner-mounting will tend to increase the speaker's apparent bass output compared to a free-standing speaker, so take this into consideration when choosing a mounting location.

Although the AW-5 speakers are constructed of the highest quality materials, common sense should be observed when using them. Placement under the eaves reduces the speaker's exposure to direct sunlight and precipitation, which tends to increase the speaker's life and minimize any potential weather-related wear and tear. (See figure 2)



Mounting Your Speakers

Use the supplied mounting brackets to mount the speakers vertically or horizontally on exterior house walls, deck corner posts, or other secure surfaces. The bracket has holes to facilitate a variety of mounting hardware.

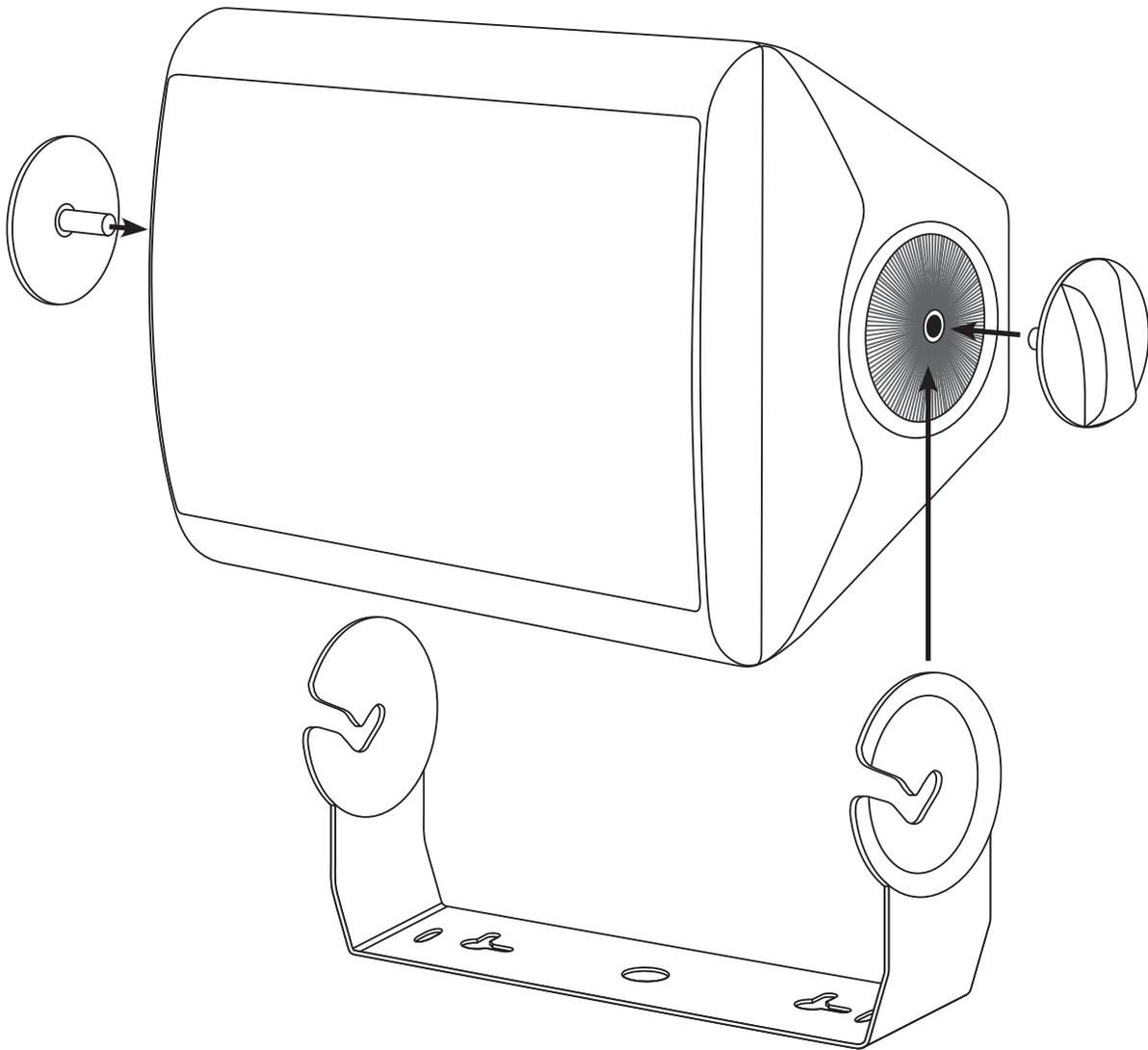
Always consult a knowledgeable installer regarding the best hardware to use on your mounting surface.

To mount the speaker, loosen the knobs and remove the bracket from the speaker. If you are running speaker wires, you may route the wires through the large hole in the middle of the bracket; the bracket will then cover the wire hole in the wall.

Mount the bracket in its desired location.

With the bracket mounting knobs loosened, slide the speaker/knob assembly into the mounting channels in the bracket until the speaker “seats” in the final position. Adjust the speaker to the desired angle and tighten the knobs to secure the speaker in place. (See below)

You may also use mounting brackets made by other companies, if you choose. The ¼-20 threaded inserts for the knob posts, and the 6mm insert on the back, are the exact same thread sizes used by many manufacturers for their various mounting devices.



Connecting Your Speakers

We recommend that you connect your speakers using high quality dual conductor stranded wire of 16 gauge or heavier, for lengths up to 25 feet (8m). Remember, the lower the gauge number, the heavier the wire. Use heavier gauge wire for longer runs. Please contact your audio/video dealer or installer for specific cable recommendations and further information regarding special circumstances. The terminals themselves are designed to allow the use of very heavy speaker wire or pin-type connectors.

WARNING: To prevent risk of electrical shock or damage to your equipment, always switch off the amplifier or receiver when making any system connections.

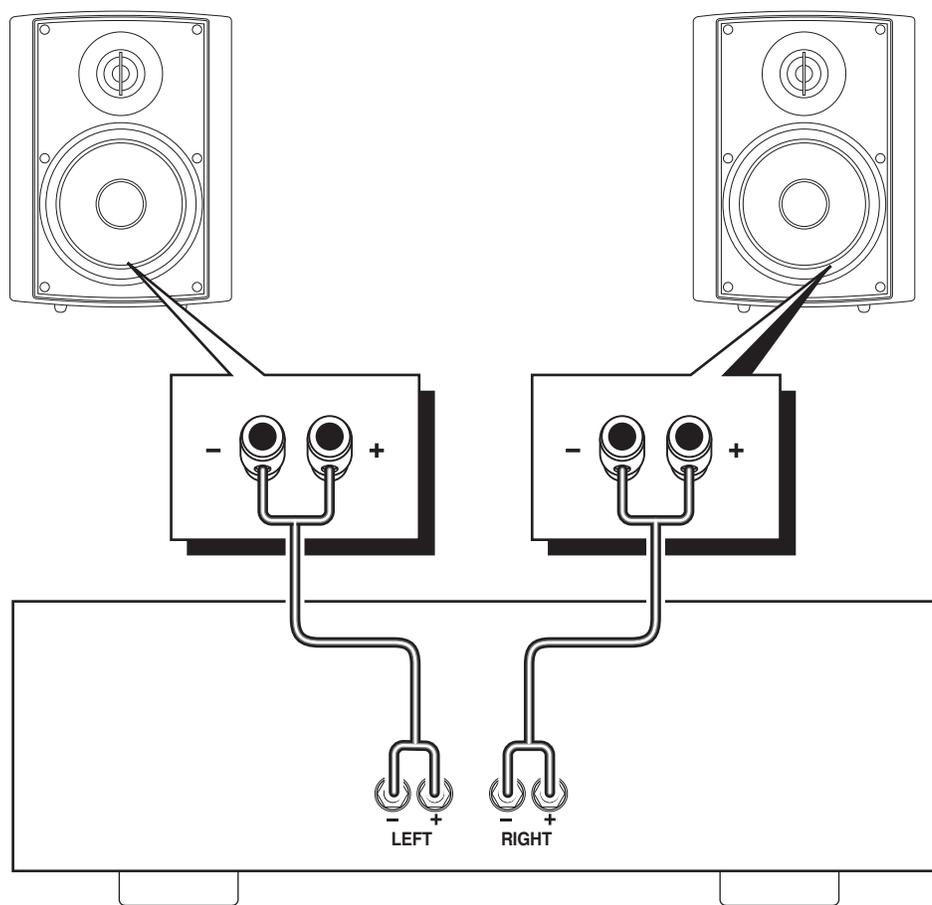
1. Remove ½-inch (13mm) of insulation from each wire end.
2. Twist the stranded wire together, keeping the two ends separate.
3. Push down on the connector post and place the appropriate wire through the postholes in the connector.

It's important to observe polarity while making speaker connections: red (+) terminals on the amplifier to red (+) on the speaker, black (-) on the amplifier to black (-) on the speaker. Look carefully at the wires you are using and note that one of the conductors of each pair will typically be identified by color, printing on the outer jacket, ridges on the outer jacket, or a thread intertwined with the wire strands. By convention, the marked wire is connected to the red (+) terminal.

WARNING: Before turning on the amplifier, be certain that no stray wire strands are touching across any terminals as this might damage your amplifier.

Finally, check the polarity of your front Left/Right speakers by listening to some stereo music with good bass content. If the sound seems "hollow," unusually spread out, or seems to have weak bass, recheck your connections for proper polarity and correct any out of phase connections by reversing the connections to one speaker only, if necessary.

Be sure to connect red (+) on the speaker to red (+) on the amplifier and black (-) on the speaker to black (-) on the amplifier.



Painting Your Speakers

If desired, you can paint the exterior of the speaker enclosure and grille to better match the speaker's surroundings.

You will need:

- A fast-drying spray paint specifically formulated for plastic (such as Krylon® Fusion)
- The included grille removal tool, a paper clip or curved-tip awl
- Masking tape and heavy paper or cardboard for masking
- A clean, dry cloth

To prepare for painting:

- Remove the bracket.
- Use the included grille removal tool, a paper clip or curved-tip awl to remove the grille.
- Cut the paper or cardboard to the size of the baffle (the surface that contains the speaker elements) and the terminal area on the rear panel. Mask these areas off.
- Wrap masking tape around the threaded posts of the knobs.
- Use a small piece of masking tape to cover the threaded insert.
- Use the clean, dry cloth to wipe any dust or dirt off the cabinet.

Painting the cabinet and knobs:

- Apply two thin coats of plastic-compatible paint, following the paint manufacturer's directions. Be careful not to fill the threaded inserts with excessive paint.
- Paint only the upper surface of the knobs. Do not contaminate the threaded posts with paint.
- Let dry thoroughly, then carefully remove the masks and tape from the cabinet.

Painting the grilles and bracket:

- Apply one or two coats of paint, being careful not to "fill in" the holes in the metal grille with paint, as this will seriously degrade the sound.
- If necessary, you may apply a second coat to the bracket.

Care of Your Speakers

Clean your cabinets using a soft, lint-free cloth. If you wish, you can slightly moisten the cloth with plain water. Do not use any other cleaning agents or chemicals.

IMPORTANT: SAVE YOUR BOXES! Remember to save all packing materials until you are certain that the speakers have suffered no damage in shipment. If you find such damage, either visible or internal, contact your dealer immediately.

If you can do so, save the carton, packing pieces, and plastic bags that came with your speakers. They will be useful in case you move or have to ship your speakers for any reason.

Specifications

| Model | AW-5 | | | | |
|---------------------------------|--|--------|----------------------|---------|------------------------|
| Type | 2-way Sealed Indoor/Outdoor Speaker | | | | |
| Drivers | <table border="0"> <tr> <td>Woofer</td> <td>(1) 5 ¼" (134mm) MLH</td> </tr> <tr> <td>Tweeter</td> <td>(1) 1" (25mm) titanium</td> </tr> </table> | Woofer | (1) 5 ¼" (134mm) MLH | Tweeter | (1) 1" (25mm) titanium |
| Woofer | (1) 5 ¼" (134mm) MLH | | | | |
| Tweeter | (1) 1" (25mm) titanium | | | | |
| Frequency Response | 60Hz – 20kHz ±3dB | | | | |
| Nominal Impedance | 6 ohms | | | | |
| Crossover Frequency | 3.5kHz, 2nd order | | | | |
| Sensitivity | 88dB | | | | |
| Recommended Amplifier Power | 10 – 150 Watts RMS | | | | |
| Dimensions w/grille (W x H x D) | 7 ¼" x 10" x 7 ½" (185 x 254 x 191 mm) | | | | |
| Weight (ea) | 5.3 lbs (2.4 kg) | | | | |
| Threaded Inserts | bracket knob 1/4" x 20, rear insert 6mm | | | | |

IMPORTANT NOTE: The power recommendation for these speakers assumes that you will not operate your amplifier/receiver in a way that produces distortion. Even rugged speakers like ours can be damaged by an amplifier driven into audible distortion. The harsh amplifier distortion ("clipping") that occurs in this situation will eventually cause damage to the speakers. This type of damage may be cumulative and can build up over time, as the amplifier is driven into overload again and again. Such damage is easily identifiable through examination of the damaged speaker's voice coil and is not covered by the warranty.

Specifications are those in effect at the time of printing. As part of our ongoing program of continuous product improvement, Atlantic Technology reserves the right to change specifications or appearance at any time without notice or obligation to modify existing product.

Warranty

First, we'd like to thank you for purchasing an Atlantic Technology product. We wish you many years of enjoyment and satisfaction from it.

Second, be aware that you don't have to send in any Warranty card to be covered by the Limited Warranty. All you need to do is keep your original Invoice or Bill of Sale for proof of purchase, meet the stated requirements, and follow the instructions listed within that Warranty. Please attach your Original Invoice or Bill of Sale to this manual as proof of purchase and keep them in a safe place.

VERY IMPORTANT NOTE: PLEASE NOTE THAT ATLANTIC TECHNOLOGY PRODUCTS CARRY ONLY A 90 DAY LIMITED WARRANTY. YOU MUST MEET ALL THE BELOW REQUIREMENTS AND REGISTER ONLINE IN ORDER TO BE COVERED BY THE FREE EXTENDED SERVICE AGREEMENT TO ASSURE EXTENDED FREE PROTECTION!!

Free Extended Service Agreement

Atlantic Technology offers a free Extended Service Agreement that provides enhanced protection against product defects. In order to qualify for the free Extended Service Agreement you must:

1. Have purchased your Atlantic Technology products from an Authorized Atlantic Technology Reseller or Installer.
2. Go to www.atlantictechnology.com and click on Support>Register Your Warranty. Fill out the required information. Be sure to have your home address, name, address and invoice from the business you purchased, and the serial numbers of all Atlantic Technology products purchased. **THIS MUST BE DONE WITHIN 30 DAYS OF PURCHASE.**
3. If you purchased multiple Atlantic Technology products you will be able to enter them all using one online form. Model and Serial numbers can be found on the back of each unit and on the outside of their respective boxes.

Once all the criteria have been met, you qualify for a free Extended Service Agreement that entitles you to additional coverage against defects in workmanship and manufacturing for a period of up to 5 years on passive speakers and up to 1 year on powered speakers (including subwoofers). This coverage is in addition to the 90 Day Limited Warranty included with all Atlantic Technology products.

If you are not able to register your product using the internet, please call customer service at 781.762.6300.

Limited Warranty

Statement of Warranty: Atlantic Technology International Corp. warrants Atlantic Technology Products to be free from defects in material and workmanship for 90 days from the time of original purchase. This Warranty covers the original retail purchaser of this product only and is valid only in the Continental United States, Alaska, and Hawaii and all US Possessions.

Extended Service Agreement (only available in the Continental United States, Alaska, and Hawaii and all US Possessions): You must complete the Extended Service Agreement application, and meet all of the purchase criteria stated on that application, to receive an Extended Service Agreement that covers your Atlantic Technology products well beyond the standard 90 day Warranty.

To obtain Warranty service: Please contact your local Atlantic Technology reseller to determine if they are an Authorized Repair Center for Atlantic Technology products. You will need your original Invoice or Bill of Sale to prove Warranty eligibility. If your local dealer is not an Authorized Warranty Center you may contact us at 781-762-6300 for further help or to send the product back to us for service and repair. You must first get a Return Authorization Number from us to ship the product back, so it is imperative that you call us first.

What we are responsible for: We will pay for all labor and parts for covered items. If the repairs are eligible for coverage under the terms of this Warranty we will also pay for return shipping charges to you.

What you are responsible for: You must pack the product properly for safe shipping to your Authorized Dealer or us. You are responsible to pay for all packing, shipping, and insurance costs to get the unit(s) back to Atlantic Technology or your Authorized Dealer.

Optional replacement: We, at our option, may replace rather than repair your Atlantic Technology product with a new or reconditioned one of the same or similar design. The repair or replacement will be warranted for 90 days from date of receipt back to you. All details in terms of eligibility for an Extended Service Agreement will carry over from the original purchase to the replacement item.

What this Warranty does not cover: This Warranty does not cover defects resulting from accidents, damage while in transit, alterations, unauthorized repair, failure to follow instructions, misuse, fire, flood, and Acts of God. This Warranty will be void if the product's serial number has been altered or removed or if the product has been modified or defaced.

Exclusions and Limitations: Implied warranties, including those of fitness for a particular purpose and merchantability (an unwritten warranty that the product is fit for ordinary use) are limited to the period of any Warranty granted hereby. We will not pay for loss of time, inconvenience, loss of use, or property damage caused by your Atlantic Technology product or its failure to work, or any other incidental or consequential damages.

State law rights: Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights, and you may have other rights which vary from state to state.

This Warranty is valid only when Atlantic Technology products are purchased from an Authorized Atlantic Technology Reseller in the Continental United States, Alaska, and Hawaii and all US Possessions. If you purchase Atlantic Technology products outside the United States please consult your local distributor or reseller for applicable Warranty coverage and restrictions.

Should you have any questions or problems please feel free to contact us at 781-762-6300 or through our web site, www.atlantictechnology.com.



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