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› [Atomic HAWX Magna 110 S Men's Ski Boots User Manual](#)

ATOMIC AE5032760

Atomic HAWX Magna 110 S Men's Ski Boots User Manual

Brand: ATOMIC | Model: AE5032760

1. INTRODUCTION

The Atomic HAWX Magna 110 S ski boots are designed for all-mountain skiers with a wider foot, offering a medium-flex alpine boot experience. Featuring a 110-flex and a 102mm last, these boots incorporate Prolite construction for enhanced stability in key areas, supporting powerful skiing performance.

Key technologies include the heat-moldable Mimic Gold liner for a custom fit, an asymmetrical 3D Stretch Toe Box for comfort, and Memory Fit for full shell and cuff customization. The Adaptive Fit System (AFS) Cuff spoiler allows for calf size adjustments, and Power Shift enables independent adjustment of forward lean and flex.

2. FEATURES

- **Mimic Liner:** Special heat-moldable plastics in the heel and ankle areas of the liner conform to the shape of your anatomy for a personalized fit.
- **Power Shift:** Allows independent adjustment of forward lean to 13°, 15°, or 17°, and modification of the flex index to match your skiing style and conditions.
- **Memory Fit:** An advanced heat-fitting technology that reshapes the plastic cuff and shell to precisely fit your leg and foot shape.
- **102mm Wide Last:** Provides a comfortable and anatomical fit for wider feet, ensuring the legendary Hawx Feel.





Figure 2.1: Front view of the Atomic HAWX Magna 110 S ski boot, showcasing the Mimic Gold liner and buckle system. This view emphasizes the boot's overall structure and the prominent branding on the liner.

3. SETUP AND CUSTOMIZATION

3.1. Mimic Liner Heat Molding

The Mimic Gold liner can be heat-molded for a custom fit. This process should ideally be performed by a certified ski boot technician. The technician will heat the liner, then have you wear the boots for a short period while the liner cools and conforms to your foot and ankle shape.

3.2. Memory Fit Shell Customization

The shell and cuff of the HAWX Magna 110 S can also be heat-molded using Atomic's Memory Fit technology. This process involves heating the entire boot shell and then allowing it to cool around your foot, providing a truly personalized fit. Consult a professional boot fitter for this procedure to ensure optimal results and prevent damage to the boots.

3.3. Power Shift Adjustment

The Power Shift mechanism allows you to adjust the forward lean and flex of the boot. To adjust the forward lean, locate the Power Shift mechanism on the rear of the cuff. You can select between 13°, 15°, or 17° of forward lean by repositioning a screw or insert. Adjusting the flex index typically involves adding or removing a flex insert, which can be found in the boot's packaging or purchased separately. Refer to the detailed instructions provided with the boot for specific steps.





Figure 3.1: Side view of the Atomic HAWX Magna 110 S ski boot, illustrating the Power Shift adjustment mechanism on the cuff and the buckle system. This image highlights the boot's robust construction and adjustability features.

3.4. Adaptive Fit System (AFS) Cuff Spoiler

To accommodate different calf sizes, the AFS Cuff spoiler can be easily removed. This spoiler is typically attached with Velcro or screws at the top rear of the liner or shell. Removing it provides additional space for larger calves, enhancing comfort. Experiment with and without the spoiler to find your preferred fit.

3.5. Buckle Adjustment

The four buckles on the HAWX Magna 110 S are micro-adjustable. Turn the buckle arms to fine-tune the tension for a secure yet comfortable fit. The top two buckles (cuff buckles) should be snug to provide support, while the bottom two buckles (forefoot buckles) should secure your foot without causing pressure points or restricting circulation.

4. OPERATING INSTRUCTIONS

4.1. Putting On Your Boots

1. Unbuckle all four buckles and loosen the power strap.
2. Pull the tongue of the boot forward and outward to create an opening.
3. Slide your foot into the boot, ensuring your heel is seated firmly in the heel pocket.
4. Push the tongue back into place.

5. Fasten the buckles, starting with the second buckle from the top (instep buckle), then the top two cuff buckles, and finally the toe buckle. Adjust tension for a snug fit without discomfort.
6. Secure the power strap firmly.

4.2. Skiing with Your Boots

Ensure all buckles and the power strap are securely fastened before skiing. The boots should feel snug, providing good control over your skis without causing pain or numbness. If you experience discomfort, adjust the buckle tension. During skiing, your heel should remain locked down, and your toes should have enough room to wiggle slightly.

4.3. Taking Off Your Boots

1. Release the power strap.
2. Unbuckle all four buckles completely.
3. Pull the tongue forward and outward, then carefully remove your foot from the boot.

5. MAINTENANCE

5.1. Cleaning

After each use, wipe down the exterior of the boots with a damp cloth to remove dirt, snow, and salt. Avoid harsh chemicals that could damage the shell material.

5.2. Drying

Always dry your boots thoroughly after skiing to prevent odor and material degradation. Remove the liners and footbeds to allow for complete air circulation. Use a boot dryer if available, or place them in a warm, well-ventilated area away from direct heat sources like radiators or open flames, which can damage the plastic.

5.3. Storage

When storing your boots for extended periods (e.g., off-season), buckle them loosely to maintain their shape. Store them in a cool, dry place away from direct sunlight. Consider using boot trees to help maintain the liner's shape.

5.4. Liner Care

Periodically remove and air out the liners. If they become excessively soiled, some liners can be hand-washed with mild soap and air-dried. Always check the manufacturer's recommendations for liner cleaning.

6. TROUBLESHOOTING

6.1. Discomfort or Pressure Points

- **Solution:** Re-evaluate buckle tension. Ensure no buckles are overtightened. Consider a professional boot fitting to address specific pressure points through shell modification or liner adjustments. Ensure you are wearing appropriate ski socks (thin, moisture-wicking).

6.2. Cold Feet

- **Solution:** Ensure boots are dry before use. Wear proper ski socks (not cotton). Check if boots are too tight, restricting circulation. Consider aftermarket insoles designed for insulation.

6.3. Poor Control or Loose Fit

- **Solution:** Tighten buckles and power strap. Ensure your heel is seated firmly in the heel pocket. If the issue

persists, a professional boot fitter can assess if the boot size or volume is appropriate for your foot, or if custom insoles are needed.

6.4. Difficulty Getting Boots On/Off

- **Solution:** Ensure boots are warm (store indoors). Fully unbuckle and pull the tongue forward. If boots are cold, the plastic becomes stiffer.

7. SPECIFICATIONS

Feature	Detail
Item Model Number	AE5032760
Colour	Anthracite/Black/Teal
Size	27/27.5
Material	Polyurethane
Brand	ATOMIC
Item Weight	3.63 kg
Manufacturer	Atomic
Country/Region of Origin	Romania
Department	mens

8. WARRANTY AND SUPPORT

For specific warranty information regarding your Atomic HAWX Magna 110 S ski boots, please refer to the warranty card included with your purchase or visit the official Atomic website. Warranty terms typically cover manufacturing defects for a limited period from the date of purchase.

For technical support, service, or questions not covered in this manual, please contact your authorized Atomic dealer or Atomic customer service directly. Always seek professional assistance for complex adjustments or repairs to ensure the safety and longevity of your ski boots.