



Abom HEET User Manual

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Note: Fully Charge your ABOM HEET model heated lens goggle before first use.

WARNING

- Carefully read and follow the warnings and instructions.
- This Abom® product is designed to aid comfort and provide some protection from wind, snow and fogging while participating in certain winter outdoor snow sports activities. This goggle is not intended for any other use.
- This goggle is not intended to and will not protect you from all impacts with hard objects or any chemical splashes.
- Please ski or ride in control and always be aware of your surroundings, direction and speed.
- Do not immerse your goggle in water.
- This product is not intended for use by children ages 12 or under.
- This product is not designed to be worn with eyeglasses.
- California Proposition 65 WARNING: This product may contain chemicals known to the State of California to cause cancer, or birth defects, or other reproductive harm.

Contents in the Box

- Abom HEET Model Goggle
- Wall Charger
- Micro USB Charging Cable
- User Manual
- Goggle Bag

Battery Charging Instructions

Recharging of the Abom HEET model goggle is accomplished with the provided wall charger and micro USB cable. To charge the unit:

- Remove the protective charging port cap (see goggle illustration).
- Plug the wall charger into a standard electrical outlet and insert the USB cable into the wall charger.
- Insert the micro USB cable connector into the goggle charging port.
- Wait for 2-3 seconds, the goggle LED will turn red to indicate that the charging is underway. Once the LED turns green the charging is complete. Required charge time is a maximum of 2.5 hours.
- Replace the protective charging port cap.

The goggle can only be charged in air temperatures ranging from 32°F to 90°F. Attempts to charge the goggle outside of this range will result in the charging process being terminated. If this occurs, the LED will continually flash red until the temperature changes to within the required range.

Note: For maximum battery life, your goggle should be charged fully before storing for the off-season.

Goggle Care

- Your Abom goggle came with a soft cloth bag for storage and cleaning. Do not use paper products or other abrasive material to wipe the lens, as this may damage the lens.
- Wipe the goggle lens with a clean, microfiber lens cleaning cloth.
- Allow the goggle to dry completely before storing.
- Store the dry Abom goggle in the provided soft cloth bag.
- Fully charge the goggle before storing for a long period of time.
- Fully charge the goggle before use.

Modes of Operation

The Abom HEET model heated lens goggle supports two modes of operation:

Heat On Demand (temporary de-fogging)

Quickly press the power button on the right side of the lens when fogging occurs. The LED will turn blue and the lens heater will turn on. The heater will remain on for 7 minutes at which time the heater and LED will turn off to conserve battery power. If fogging returns, press the power button and repeat as necessary. To exit On Demand Mode and turn the goggle heater off, press and hold the power button until the LED turns off.

Always On (continuous anti-fog protection)

Press and hold the power button located on the right side of the lens for 1.5 seconds. The LED will turn orange and the goggle will stay on until the user turns the goggle off. In this mode the goggle automatically determines when to apply heat to the lens depending on the environmental conditions as detected by the internal sensor. To exit Always On mode and turn the goggle heater off, press and hold the power button again until the LED turns off.

Heat Boost Activation

Should fogging occur while in either **Heat On Demand** or **Always On** mode, a quick press of the button will activate a 40 second boost of heat. The LED will flash quickly three times whenever the user activates the heat boost.



LED Indications

Note: The Abom HEET model goggle features an auto-brightness capability that results in appropriate levels of LED brightness under all circumstances, day and night.

Active Modes

 **Solid Blue LED** - Goggle is in **On Demand** Mode


 **Orange LED** - Goggle is in **Always On** Mode


Charging

 **Solid Red LED** - Battery charging is in progress.

 **Solid Green LED** - Battery charging is complete.

Warnings

 **Slow Red strobe** - Glow battery warning (less than 15% charge remaining). Indicated by three slow strobes when entering an operational mode and every 3 minutes during normal operation.

 **Fast Yellow strobe** - Improperly seated, defective, or missing lens. Flashes when user attempts to enter any operational mode.

 **Fast Red strobe** - Battery Charging Halted due to over/under temperature condition.

Lens Tint and Light Transmission Specification

Lens Color	VLT*	Lens Tint
Eclipse Black	12%	Dark Grey
Copper Dome	30%	Copper
X-Ray Grey	34%	Neutral Grey
Resolution Red	42%	Rose
Lumen Yellow	66%	Yellow
Clear	77%	Clear
Gold Rush Mirror	20%	Grey
Sunrise Red Mirror	26%	Subtle Yellow
Flash Green Mirror	30%	Subtle Rose
Sky Blue Mirror	30%	Copper

*Visible light transmission (VLT) is the percentage of visible light that passes through the lens. The lower the VLT, the greater the amount of blocked light.

Lens Removal

The Abom HEET model goggle features an interchangeable lens system to allow the use of different tinted lenses to match user needs. Removal of the lens assembly is accomplished as instructed here.



1. Place fingers inside upper goggle chassis and spread fingers apart.



2. While gripping the lens, slowly flex the upper chassis away from the lens until the center pin and one of the side retention pins have separated from the chassis.



3. Firmly grip the end of the goggle chassis while pulling the lens in the direction shown until the side retention pins are completely free of the chassis. Rotate the goggle and repeat step 3 for the other side of the lens.



Lens Attachment



1. Correctly orient the lens and lower the lens frame retention pins on one side of the lens into the rectangular receptacles in the chassis.



2. With the retention pins in place, insure that both corners of the lens frame are seated flush to the chassis where shown above.



3. Firmly grip the end of the goggle chassis while sliding the lens in the direction shown until the edge of the lens seats flush against the strap attachment. Rotate the goggle and repeat this step for the other side of the lens.

Note: To confirm that the lens is fully seated in the HEET model goggle, press the on/off button momentarily. The blue LED will illuminate if the lens is seated properly. A fast yellow strobe indicates that the lens is not fully seated.

Limited Warranty

Your Abom goggle (the “Product”) is covered by a limited warranty covering manufacturing defects for a period of one year from the date of purchase (the “Limited Warranty Period”) and is only valid to the original purchaser or any person receiving the product as a gift, with proof of purchase from an authorized Abom dealer. Abom warrants that the Product will be free from defects in materials and workmanship for the Limited Warranty Period and will repair or replace your goggles at no charge for accepted warranty claims. Abom has the sole discretion to determine manufacturer’s defects. Abom does not warrant any user-caused lens scratches, normal wear and tear, or any damage or defects caused by improper care, negligence, modifications or alterations, improper product use, abuse, accidents or loss of the Product. This warranty does not affect the legal rights of customers under applicable State, Provincial and National law governing the sale of consumer goods. See Abom’s warranty page on our website for the complete warranty information at: www.abom.com/warranty.

All implied warranties, including the warranty of merchantability and the warranty of fitness for a particular purpose, are limited to a period of one year from the date of purchase.

To obtain Limited Warranty Service, please contact Abom at our U.S. Headquarters phone number or file a warranty claim on our website (www.abom.com/warranty) and follow instructions provided. If shipping is required from you to Abom; shipping, insurance or transportation along with any import fees, duties, and taxes must be prepaid by you. Abom will pay the return shipping charges for all valid warranty claims.

Manufacturer U.S. Headquarters:

Abom, Inc.

7145 SW Varns Street, Suite 101

Portland, Oregon 97223.

503-430-5494

Customer Support

Abom customer support is available online at www.abom.com/warranty or through our support phone number, 503-430-5494 Monday-Friday from 9am to 5pm US Pacific Time.

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