

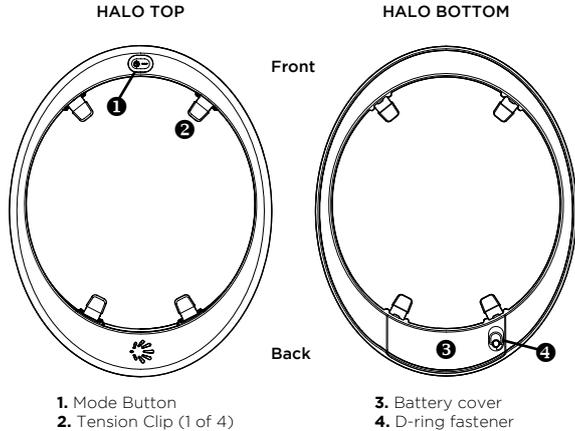
ILLUMAGEAR 

HALOTM
SEE AND
BE SEENTM
360° PERSONAL SAFETY & TASK LIGHT

User Guide

HAWF-01A

Overview



Setup

What you need to set up the Halo for use:

- Halo
- Protected 18650 Li-Ion Battery
- A hard hat

Installing the Battery (battery may be sold separately)

The ILLUMAGEAR Halo uses a protected 18650 Lithium-Ion battery to power it. To install the battery:

1. Locate the battery cover and turn the D-ring on the quarter-turn fastener counter-clockwise 90-degrees.
2. Remove the battery cover and insert the 18650 battery, noting the labeling for correct orientation of the battery +/-.
3. Replace the battery cover by placing tab at one end into slot, then turn D-ring fastener at other end clockwise 90-degrees to lock

Avoid changing the battery when water, dirt, dust, or other material could get inside the battery compartment.

Installing the Halo on a Hard Hat

The ILLUMAGEAR Halo is designed to fit on most standard hard hats, both cap style and full brim. To install the ILLUMAGEAR Halo, follow these steps:

1. Place the Halo over the hard hat with the Mode Button facing up and centered at the front of the hard hat.
2. Press the Halo down using two hands until it is low and even, just above the brim of the hard hat.

ILLUMAGEAR Halo works with a majority of hard hats sold in the market today. Please go to www.illumagear.com to see a list of many compatible hard hats.

Using the Halo

Always inspect ILLUMAGEAR Halo for proper functioning prior to use.

To switch between light modes, press the Mode Button. To turn off the Halo, press and hold the Mode Button for 2 seconds. Removing the battery will also turn off the Halo.

Charging the Battery

It is recommended that a rechargeable battery be fully charged before each use of the Halo to ensure the longest life. ILLUMAGEAR offers both a 2-cell charger as well as a multi-cell gang charger for charging the 18650 Li-Ion battery. Other 18650 Li-Ion chargers may be available from other retailers and distributors. Only use certified chargers and certified batteries with an IEC- or UL-equivalent approved protective circuit from trusted manufacturers.

Light Modes

The ILLUMAGEAR Halo has 4 light modes that can be selected by repeatedly pressing the Mode Button. These modes are:

1. **Halo** - full brightness in 360° to enable the wearer to see and be seen in all directions
Example Use: moving around and performing a number of jobs
2. **HI-Alert** - provides a unique visual identifier of the wearer by fading the light up and down in a 360° spin to maximize the chance of the wearer being seen by others.
Example Use: flagging or operating around vehicles and machinery
3. **Task** - maximum brightness on the front third of the halo to provide maximum illumination of the worker's immediate work area out to the visual periphery
Example Use: working on a specific task in a darkened area
4. **Dim** - a low power 360° lighting solution when working in close proximity to others and full brightness is not preferred
Example Use: having a face-to-face conversation with another person

Press the Mode Button again to cycle back to Halo mode.

When the device is turned off, the mode will reset to Halo.

Battery Life

Battery life will vary depending on the Light Modes used. Assuming a new, fully charged 3400mAh battery, single Mode run times will be approximately:

- Halo - 5.5 hrs
- HI-Alert - 14.0 hrs
- Task: 5.5 hrs
- Dim: 34.0 hrs

Low Battery

The battery will begin to signal low with about 10% power remaining. The lights will flash 3 times to indicate a low battery and then the Light Mode will be set to Dim for the remainder of the battery life. Thereafter the lights will flash 3 times every 3 minutes to remind the wearer that the battery is low. Light Modes will

reset when the battery is swapped out or recharged.

Replacing a Tension Clip

Should a Tension Clip need to be replaced, follow these simple steps:

1. Use the thumb of one hand to push the top of the clip down while using a finger of the other hand to push the lower, inside part of the clip away from the Halo housing.
Alternatively, you can use a small flathead screwdriver to release the lower, inside part of the clip.
2. Once the clip is loose, push it up from the bottom and out of the slot.
3. Slide a new clip in the top of the clip slot and push it straight down until it clicks into place and is held tightly.

For additional guidance or support please visit www.illumagear.com/support. Replacement Clips are available for purchase at www.illumagear.com or from an authorized ILLUMAGEAR sales representative.

Cleaning

Wipe the Halo with a dry or damp cloth to clean.

Accessories

The following accessories and replacement parts are available for the ILLUMAGEAR Halo and may be purchased separately:

- Rechargeable 18650 Li-Ion Battery (3400mAh)
- Battery Charger
- Battery Gang Charger
- Replacement Clips
- Replacement Battery Cover

Accessories are available for purchase at www.illumagear.com or from an authorized ILLUMAGEAR sales representative.

Safety and Handling

Failure to follow these safety and handling instructions could result in fire, electric shock, damage to the ILLUMAGEAR Halo, injury to you or other persons or property, up to and including death. Read all safety information and WARNINGS before using the ILLUMAGEAR Halo.

Handling

The ILLUMAGEAR Halo should be handled with care. It has plastic parts, LEDs, and sensitive electronic components inside. ILLUMAGEAR Halo is not intended for use by anyone under 18 years of age. ILLUMAGEAR Halo can be damaged if dropped, crushed, thrown, punctured, burned, submerged in liquid, or if it comes in contact with corrosive materials. Never use a damaged Halo such as with a cracked lens cover as it may not function properly and may cause injury. Do not apply excessive force to the halo, the tension clips, the battery cover, or the Mode Button, as this could cause damage to the product. Check for dirt or other obstructions that may be causing the problem. Do not use an adhesive or other foreign substance to alter or repair the Halo.

Proper Placement and Attachment

Always ensure that the ILLUMAGEAR Halo is only used on a hard hat that is certified by your country's national safety standards institute, and that it is tightly affixed to the hard hat using the tension clips. If the ILLUMAGEAR Halo

seems loose, immediately re-install the product on the hard hat. If the hard hat is dropped, knocked, or otherwise concussed, immediately check the tension clips to ensure the Halo is tightly affixed to the hard hat. Do not place the ILLUMAGEAR Halo around your neck. Do not use any adhesive or other substance to affix the Halo to a hard hat.

Battery

THE BATTERY USED SHOULD ONLY BE AN IEC- OR UL-EQUIVALENT CERTIFIED LITHIUM-ION 18650 BATTERY WITH PROTECTIVE CIRCUIT. The battery should be recycled or disposed of pursuant to local laws and regulations. Never incinerate the battery. Abide by all warnings for the battery. Battery life can vary depending on the age of battery, the ambient temperature, and the light mode used. At very cold temperatures, performance and battery life may be diminished (see "Operating Temperature").

Charging

Charge the rechargeable 18650 Li-Ion battery with only a certified 18650 Li-Ion charger.

It is recommended that the rechargeable battery be fully recharged after every use to ensure maximum power for next usage.

Operating Temperature

The ILLUMAGEAR Halo is designed to operate most effectively where the temperature ranges between 0°C (32°F) and 50°C (122°F). Storing or operating the product outside of this temperature range may shorten the battery life. Storing or operating the product outside the temperature range of -20°C (-4°F) and 60°C (140°F) could damage the product.

Care & Cleaning

Ensure that the ILLUMAGEAR Halo is clean and dry before each use. Before cleaning the Halo, remove the battery. The Halo can be wiped clean with a soft, dry or damp cloth. Do not use cleaning products or attempt to wash in a washing machine, dishwasher, or with a high-pressure hose or any other abrasive contact. Abrasive materials may scratch the Halo.

For additional information, please visit www.illumagear.com.

WARNINGS

READ THIS DOCUMENT BEFORE USING THIS PRODUCT. IMPROPER USE OF THIS EQUIPMENT OR UNSAFE ACTIVITIES WHILE USING THE EQUIPMENT CAN CAUSE DAMAGE TO EQUIPMENT OR PROPERTY, SERIOUS PERSONAL INJURY, OR DEATH.

ILLUMAGEAR expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information. Use of this product is at your own risk. It is your responsibility to make sure that your activities comply with applicable laws and are conducted in a safe and reasonable manner at all times. The information provided herein relates only to the specific product designated and may not be applicable when such product is used improperly or in combination with other products.

Repair

Do not open or try to repair or modify the ILLUMAGEAR Halo or any included battery yourself. Disassembling any part of the Halo could result in damage to

the product or injury or death to the user or others, or void the warranty.

Proper Gear and Lighting

Do not rely on the ILLUMAGEAR Halo as the only means of personal illumination. Always abide by all safety instructions and guidelines and always wear and use all recommended safety and illumination gear including, but not limited to, retroreflective clothing and area lighting.

THE ILLUMAGEAR HALO DOES NOT GUARANTEE YOUR SAFETY OR THE SAFETY OF OTHERS. ALWAYS PAY CLOSE ATTENTION TO YOUR SURROUNDINGS.

Explosive Areas

Do not use the ILLUMAGEAR Halo in gaseous or otherwise potentially explosive atmospheres such as underground mining zones or near refueling stations or where chemicals are in the air. Follow all posted signs and instructions and heed all warnings and safety regulations. The ILLUMAGEAR Halo is not certified as intrinsically safe.

High-Consequence Activities

ILLUMAGEAR Halo is not intended for use where the failure of the product could lead to death, personal injury to you or others, or severe environmental damage.

Eye Strain or Damage

Do not stare at the ILLUMAGEAR Halo while turned on. Prolonged viewing of the Halo while turned on could result in eyestrain, temporary blindness, eye damage, headaches, or other maladies to both the user of the product and other people in close proximity. Interference with vision can result in permanent injury or death.

Medical Conditions

If you have any medical condition that you believe could be affected by the ILLUMAGEAR Halo (for example, seizures, blackouts, eyestrain, or headaches), consult with your physician prior to using the Halo.

LIMITATION OF LIABILITY. ILLUMAGEAR SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL, PUNITIVE, OR EXEMPLARY DAMAGES, WHETHER BASED IN CONTRACT, TORT, PRODUCTS LIABILITY, STRICT OR STATUTORY LIABILITY, NEGLIGENCE OR OTHERWISE (EVEN IF ILLUMAGEAR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES) ARISING OUT OF USE, TESTING, OR PURCHASE OF THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR ECONOMIC LOSS OF PROFITS OR SAVINGS; LOST WAGES; DAMAGES TO OR LOSS OF USE OF PROPERTY; BODILY INJURY; MEDICAL PAYMENTS; PAIN AND SUFFERING; AND LOSS OF CONSORTIUM. IN THE EVENT APPLICABLE LAW DOES NOT ALLOW THE EXCLUSION OF WARRANTIES STATED HEREIN OR THE LIMITATION OF LIABILITY STATED HEREIN, THEN YOU EXPRESSLY AGREE THAT IN NO EVENT WILL THE LIABILITY OF ILLUMAGEAR FOR ANY CLAIM OR DAMAGES HEREUNDER EXCEED THE PURCHASE PRICE PAID FOR THE PRODUCT IN CONTROVERSY.

Disposal and Recycling

The ILLUMAGEAR Halo must be disposed of pursuant to local laws and regulations. Because the product contains electronics and a Lithium-Ion battery, it may need to be disposed of separately from regular waste and recycling.

Support

Support and warranty information is available online at www.illumagear.com/ support. To contact ILLUMAGEAR for product support or returns, email support@illumagear.com.

ILLUMAGEAR® Limited Product Warranty

1. Except as provided in Paragraph 2, below, Illumagear warrants to the purchaser of the Products ("Buyer") that all Illumagear equipment and products (collectively "Products") shipped by Illumagear to Buyer, its subsidiaries, affiliates, divisions, agencies, agents, or representatives (collectively "Warrantees"), and all goods used or embodied in such Products:
 - a. For a period of twelve (12) months from the date of delivery to the Buyer (the "Warranty Period"), shall be free from defects in operation, workmanship and materials, shall conform in all respects with all labeling, product insert sheets and product specifications, and shall be merchantable.
 - b. As of the date of shipment, shall be transferred with good and marketable title, free and clear of any liens or encumbrances.
2. Illumagear warrants to Buyer that any and all batteries accompanying the Products (collectively, "Battery"), shall for a period of ninety (90) days ("Battery Warranty Period"), be free from defects in operation, workmanship and materials, shall conform in all respects with all labeling and insert sheets, and shall be merchantable.
3. During the Warranty Period or Battery Warranty Period, as applicable, Illumagear shall promptly fix or replace, at no cost to Buyer, any Product or Battery that is defective. The decision whether to fix or replace the Product or Battery shall be at the sole discretion of Illumagear. Illumagear shall pay all taxes, transportation and other costs and expenses incurred by Buyer in the replacement of any defective Product or Battery.
4. THE WARRANTIES CONTAINED IN PARAGRAPHS 1 AND 2 HEREOF SHALL BE CONTINGENT UPON PROPER USE AND STORAGE OF THE PRODUCTS AND BATTERY. ANY MISUSE OF THE PRODUCTS OR BATTERY, ANY ALTERATIONS OR MODIFICATIONS TO THE PRODUCTS OR BATTERY, OR DAMAGE CAUSED BY THE NEGLIGENCE OR WRONGFUL CONDUCT OF WARRANTEES OR THOSE INDIVIDUALS USING THE PRODUCTS OR BATTERY UNDER THE SUPERVISION OR WITH THE PERMISSION OF WARRANTEES, SHALL CAUSE THE WARRANTIES IN PARAGRAPHS 1 AND 2 TO BE NULL AND VOID.
5. THE WARRANTIES CONTAINED IN PARAGRAPHS 1 AND 2 HEREOF SHALL BE CONTINGENT UPON WARRANTEES' USE OF ILLUMAGEAR-MANUFACTURED OR ILLUMAGEAR-CERTIFIED PARTS. IF ANY WARRANTEE USES, SUPPLEMENTS, OR OTHERWISE MODIFIES THE PRODUCTS OR BATTERY WITH ANY PART THAT IS NOT AN ILLUMAGEAR-MANUFACTURED OR ILLUMAGEAR-CERTIFIED PART, THIS WARRANTY SHALL BE NULL AND VOID.
6. EXCEPT AS EXPRESSLY PROVIDED IN PARAGRAPHS 1 AND 2 OF THIS AGREEMENT, ILLUMAGEAR DISCLAIMS ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, ORAL OR WRITTEN, WITH RESPECT TO ALL PRODUCTS AND SERVICES PROVIDED BY ILLUMAGEAR, ITS AFFILIATES, DISTRIBUTORS, RETAILERS, AND SELLERS, INCLUDING WITHOUT LIMITATION ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE FOR ANY TIME LIMIT OR SCOPE NOT EXPRESSLY OFFERED BY ILLUMAGEAR IN SECTIONS 1 OR 2. ILLUMAGEAR DOES NOT WARRANT THAT THE PRODUCTS ARE ERROR-FREE OR WILL ACCOMPLISH ANY PARTICULAR RESULT. ILLUMAGEAR AND BUYER AGREE AND UNDERSTAND THAT THE WARRANTY DISCLAIMERS CONTAINED HEREIN ARE A SPECIFIC PART OF THE BARGAINED-FOR EXCHANGE, THE PURCHASE OF THE PRODUCT(S), AND THE NEGOTIATION OF THIS AGREEMENT. NO ORAL OR WRITTEN ADVICE PROVIDED BY ILLUMAGEAR TO WARRANTEE SHALL CREATE A WARRANTY OF ANY SORT BY ILLUMAGEAR. ILLUMAGEAR SHALL NOT BE LIABLE FOR ANY DAMAGES, INCLUDING BUT NOT LIMITED TO, DIRECT, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF USE OR DATA, LOSS OF PROFITS OR INTERRUPTION OF BUSINESS, WHETHER SUCH ALLEGED DAMAGES ARE BASED IN WARRANTY, TORT (INCLUDING WITHOUT LIMITATION, NEGLIGENCE AND STRICT LIABILITY), CONTRACT, OR INDEMNITY IN ANY ACTION BROUGHT BY THE BUYER OR ANY THIRD PARTY. TO THE EXTENT LIABILITY IS ASSESSED UNDER STATE LAW, ILLUMAGEAR'S LIABILITY SHALL NOT EXCEED THE ACTUAL CASH VALUE OF THE PRODUCTS AT THE TIME OF PURCHASE.



www.illumagear.com

© 2017 ILLUMAGEAR, Inc.
all rights reserved

©2017 ILLUMAGEAR, Inc. All Rights Reserved. ILLUMAGEAR and its logo are registered trademarks of ILLUMAGEAR, Inc. in the US and other countries.

©2017 ILLUMAGEAR, Inc. Tous droits réservés. ILLUMAGEAR et son logo sont des marques déposées de ILLUMAGEAR, Inc. aux États-Unis et d'autres pays.