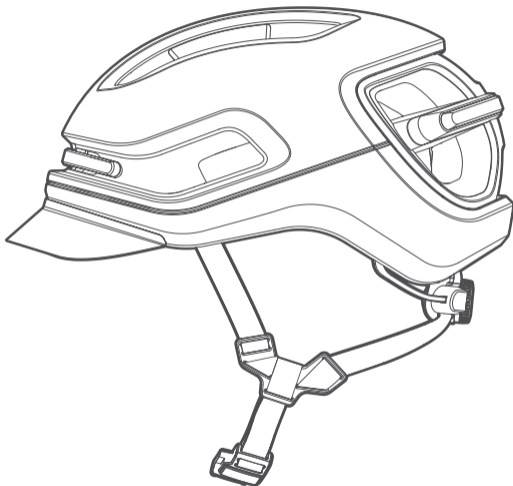


AURA I HYBRID SMART HELMET

User manual.



@unit1gear
www.unit1gear.com

Congratulations.

You are leveling up your safety with **AURA**.

This embodies the work of creators, designers, engineers and entrepreneurs trying to build something unique. **AURA** is our best shot at what a Hybrid Smart Helmet should be and our small input towards making the roads safer.

You are now a part of its story - wear it with pride.

Welcome to the UNIT 1 family.



IMPORTANT

Please read this manual carefully before using your helmet.

1. Safety Information

▸ WARNING



No helmet can prevent against all injuries. Serious injury or death may occur while cycling even with a helmet. A severe impact, sharp object, improper use, or incorrect adjustment could compromise the helmet's protective ability. Unit 1 Gear, Inc. and/or its subsidiaries make no claim that this helmet will eliminate all possibilities of injury.



For maximum protection, helmet must be fitted and attached properly to the wearer's head in accordance with the manufacturer's fitting instructions. Please refer to the corresponding section of this manual for detailed fitting instructions.



Every time you use this helmet check if nothing is torn, worn, missing, or out of adjustment. Before each use make sure you comply with local laws and regulations.



This helmet is designed to absorb shock by partial destruction of the shell and liner. After receiving an impact, the helmet may be damaged to the point that is no longer adequate to protect the head against further impacts. This damage may not be visible to the user. A helmet that has sustained an impact should be returned to the manufacturer for inspection, or be destroyed and replaced, even if it appears undamaged.



This helmet has a limited lifespan as it may lose impact absorption capacity over time, so it should be replaced when it shows signs of wear or three years after purchase, whatever happens sooner.

► **WARNING**



Replace your helmet if there is any sign or hint of damage, DO NOT use a damaged helmet. Using a damaged or worn helmet could result in serious injuries in the event of a crash.



Lights are a supplement (not a replacement) of regular mounted bike lights. Certain places have laws that require bike-mounted lights or may not allow helmet-mounted lights, please comply with local regulations before use.



Turn signals are a supplement, not a replacement of hand signals. Unit 1 Gear, Inc. and/or its subsidiaries are not responsible for any failure of communication resulting from turn signals or brake lights.



When activating the turn signal, quickly glance at the remote to ensure that you have activated the correct turn signal. Activating the wrong turn signal can increase the risk of a crash. If using the turn signals in manual mode, always remember to turn off the signal once used – active turn signals after a turn can confuse motorists around you.



Your helmet has a built-in battery. Be careful to follow all the safety guidelines specified on this User Manual.



Do not use the helmet for prolonged periods in direct sunlight or in very warm places. This can damage the product and generate heat that can cause serious injuries. Do not leave the product near open flames. Do not dispose of this product in a fire. This can damage, explode or ignite the battery and cause serious injury. Never charge the helmets battery with a flawed charger, it may cause an explosion or ignition. Battery life may vary depending on conditions, environmental factors, usage, etc.

► **WARNING**



This helmet can be damaged by contact with common substances, including but not limited to: ammonia-based cleaners, bleach, alcohol, acetone and petroleum-based solvents such as paint-thinner or turpentine. This damage may not be visible.



Mild soap and water are recommended to clean the helmet. Refer to the corresponding section of this manual for more specific care and cleaning information.



The protection of this helmet may be severely reduced by the application of paint, adhesive stickers and transfers, cleaning fluids, chemicals and other solvents.



Never remove or modify the original elements that constitute the helmet, or add any accessories not recommended by Unit 1 Gear, Inc., this may affect the protection given by the helmet.



This helmet can only protect the wearer if it fits well. Buyer should try on different sizes and choose the size which feels more secure and comfortable.

2. Package content



1. AURA Helmet



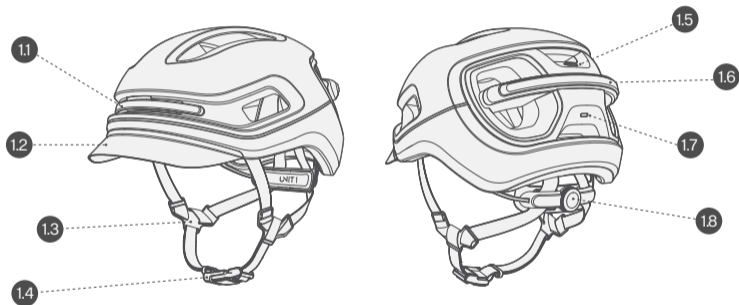
2. Magnetic brim



3. USB Type-C /
Type-A Cable

3. Overview

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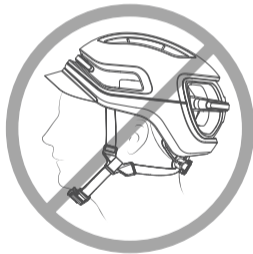
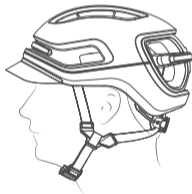


1.1 Front light / **1.2** Magnetic brim / **1.3** Divider / **1.4** Magnetic buckle / **1.5** Power button /
1.6 Rear light / **1.7** Charging port / **1.8** Fitting system

4. Fitting instructions

▶ **Correct Position**

A correctly fitted helmet should sit comfortably on your head without pressing or chafing and should not move forward to obscure your vision or rearward to expose your forehead. This helmet is designed to be retained by a strap under the lower jaw. A correctly fitted helmet should sit comfortably on your head without pressing or chafing and should not move forward to obscure your vision or rearward to expose your forehead. Straps should not cover the ears or press against your throat. Strap adjustment should be comfortable and firm.



To be effective, a helmet must fit and be worn correctly. Wearing it incorrectly may prevent the helmet from performing as intended. Before each use, check if nothing is torn, worn, missing, or out of adjustment and follow these instructions to wear your helmet correctly.

► **Customizing your fit**

Before first use, test the fit of the helmet with the secondary inner pads provided (when available) to customize the inner fit to your head. You can even mix different pads of different thickness for a personalized fit. To attach the pads, use the velcros on the helmet interior.

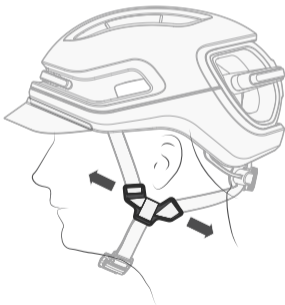
Thinner pads



Thicker pads

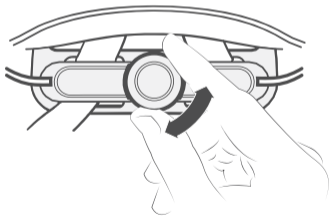


Next, move the strap divider forward or backwards by shortening or lengthening the front section of the strap (do this for both sides until the divider sits below your ears). Check these adjustments over time, pads may compress with use and straps may shift, they may require adjusting over time.



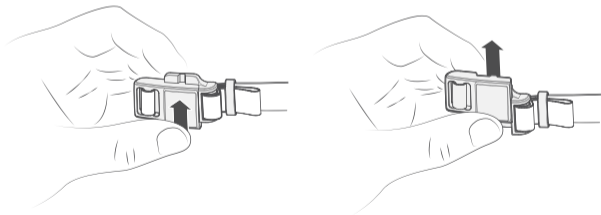
► **Fitting system**

Put on the helmet (with no visor installed) and with a fully open Fitting System. Once the helmet is on, tighten the Fitting system dial to fit the circumference of your head as required. The fitting system should rest comfortably against the back of your head.



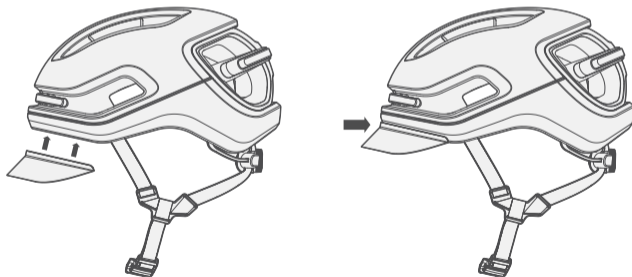
► **Adjusting the buckle**

Tighten the chinstrap until it sits comfortably under your chin. You should still be able to fit a finger between the strap and your neck. After adjusting the strap to the desired length, lock the magnetic buckle bringing the two pieces close until they snap together. To undo the buckle, slide both pieces sideways as shown below. To keep the chinstrap from loosening or flapping, it must be tucked through the keeper. Check the strap length before each ride as it may shift with use.



Magnetic Brim

The Magnetic Brim attaches & self-aligns with the helmet thanks to the magnets embedded in the frame. To install it, bring the Magnetic Brim closer to the helmet until the magnets pull it into position and it's securely attached.



5. Function guide

▶ **UNIT 1 App**

Your AURA Smart Helmet is compatible with our Companion App - it allows you to extensively customize your lights, battery consumption, track battery levels across multiple U1 devices and access the Crash Alert feature.

▶ Download

Android: Google Play Store > Unit 1

iOS: App Store > Unit 1

▶ or scan the QR code below.



▶ **Helmet functions overview**

Actions with power button:

- Press & hold the power button for 1 sec: **Power On / Off**



- 4 taps: **Helmet reset**



- 8 (Quick) taps: **Factory reset**
(forgets app and remote)



▶ **Power on / off**

Press & hold the power button for 1 sec.



▸ **Charging**

Plug the USB-C cable into the charging port. Once plugged in the Rear light will display the status of your battery using a green bar. A full bar represents a full battery.

For safety purposes, AURA functions are not available while charging. DO NOT use the helmet while charging with a power bank.

▸ **Pairing AURA with the U1 App**

1. Make sure your phone's bluetooth connection is active.
2. Power up your helmet and have it close by.
3. Look for your helmet using the UNIT 1 App.
4. Pair directly from the UNIT 1 – APP don't use your phone's native bluetooth menu.

▶ **Pairing AURA with a Navigation Remote**

You can pair AURA to your Nav Remote using 2 different methods:

Pairing through App (recommended)

1. Power on your helmet.
2. Pair it to the UNIT 1 App.
3. Add a Nav Remote via the App.
4. Follow the on-screen instructions.

* This method allows pairing the Nav Remote to multiple devices (and the App) simultaneously.

Offline Pairing (doesn't support App)

1. Power on your helmet (should be off before you begin).
2. Press & hold any button on the Nav Remote (lights will blink left & right).
3. Wait for connection. Helmet and Nav Remote will flash yellow.

* This method requires you to pair 1 device at a time and doesn't allow for customization within the App.

▶ **Troubleshooting**

If you are having trouble with your helmet, follow these steps:

Not powering on

Charge the helmet using the USB-C cable.

Not charging

Make sure the USB-C power source is switched on and plugged correctly.

Not pairing

Make sure all your devices are running on the latest Firmware.

Helmet not responding

Reset the helmet by pressing the power button 8 times.

6. Helmet Care

- ▶ Store your helmet in a dry place, away from excessive heat sources like radiators, automobile trunks or direct sunlight.
- ▶ Clean your helmet only using a slightly damp soft cloth or sponge with mild soap, if needed.
- ▶ Never remove or modify the original elements that constitute the helmet, or add any accessories not recommended by Unit 1 Gear, Inc., this may affect the protection given by the helmet.
- ▶ The protection of this helmet may be severely reduced by the application of paint, adhesive stickers and transfers, cleaning fluids, chemicals and other solvents.
- ▶ Inner padding is removable, please do so lightly to leave the velcros in place. Padding can be washed by hand using mild soap. Rinse by hand and let dry.

7. Regulatory

- ▶ Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 5 and Older.
- ▶ Complies with C.P.S.C. 16 CFR Part 1203 United States Federal Safety Standard for Bicycle Helmets (Consumer Product Safety Commission).
- ▶ Complies with CE, EN1078:2012 +A1:2012 Helmets for pedal cyclists, Skateboarders or Rollerskaters (European Safety Standard)
- ▶ NTA 8776 Standard Compliance:
This helmet is certified to meet the NTA 8776 standard for enhanced protection at higher impact speeds, suitable for e-bike and speed pedelec users.

▶ SPECIFICATION OF RADIO TRANSMISSION

PRODUCT:	AURA
MODEL NUMBER:	AURA_HELMET
OPERATING FREQUENCY:	2402 - 2480MHz
POWER:	DC 5V 1A

The above product is in conformity with the PPE Regulation (EU) 2016/425 and is identical to the PPE which is subject of EU certificate (TBC) issued by ITS Testing services UK Ltd. The above product is in conformity with the European Radio Equipment Directive (RED) (2014/53/EU) which is subject of EU certificate (TBC) issued by Telefication.

Bluetooth LE

Maximum Output Power: 0dBm EIRP Average (Calculated)

Maximum Antenna Gain: 1,5dBi

You can find the declaration of conformity by the following links:

www.unit1gear.com/pages/EU_DoC

Specific statement - United States of America

All warranties implied by state law, including the implied warranties of merchantability and fitness for a particular purpose, are hereby limited to the duration of the limited warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

FCC- STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

RF WARNING -STATEMENT

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Specific Statement - Canada

"This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

EU Declaration of Conformity

Hereby, Unit 1 Gear, Inc. declares that the radio equipment type in this helmet is in compliance with Red Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.unit1gear.com/pages/EU_DoC

Helmet Model: AURA

Helmet Model number: AHV1

▶ **Precautions regarding the built-in battery**

This product contains a lithium-ion battery. Misuse or mishandling of the battery may result in a fire, explosion, or other hazard. Do not disassemble, crush, puncture, shred, or expose the battery to water or excessive heat. Do not attempt to replace battery.

▶ **ATTENTION!**

Risk of explosion if the battery is replaced with an incorrect battery. It must be recycled or disposed of separately from household waste as per the local regulations.

▶ **INFORMATION ON WASTE DISPOSAL AND RECYCLING**

Make sure you dispose of your product at a recycling center. Each country and province has its own recycling centers for batteries and electronics. To find out where to dispose of your product, contact the waste management service in your area or the shop where you purchased the product. Do not throw your device into the household waste. The packaging and product must be disposed of according to local regulations. Batteries must not be disposed of with municipal waste and must be separated for collection.

7. Warranty

▶ **1 year limited warranty**

Unit 1 Gear, Inc. (UNIT 1) warrants all products sold by UNIT 1 to be free of defects in material and workmanship for a period of one (1) year from the date of purchase unless otherwise required by local law. If a product is found to be defective by UNIT 1, in its sole discretion, UNIT 1's only responsibility will be to replace or repair the defective product. UNIT 1 will not be responsible for any costs, losses or damages incurred because of the loss or use of any of its products, and UNIT 1 specifically disclaims all claims for consequential and incidental damages.

This limited warranty is subject to several important restrictions:

This limited warranty only applies to products purchased directly from UNIT 1. If purchased from a UNIT 1 Authorized Reseller, please contact them directly.

This limited warranty is valid only for the original purchaser of a product, and it cannot be transferred to another person upon the sale, lease, or transfer of the product.

This limited warranty does not cover normal wear and tear.

This limited warranty does not apply to anything other than defects in the manufacturing and workmanship of the product.

The limited warranty is waived if you seek to repair the product using anything other than approved UNIT 1 products and services, or if you seek to combine the product with any third party product (like sealants, cameras, or custom helmet pads).

[1 year limited warranty - continuation]

If, upon its inspection, UNIT 1 discovers that you have modified, changed, or altered the product in any way, this limited warranty is waived.

UNIT 1 gives no warranty regarding the life of the batteries used in its products. Actual battery life may vary depending on a number of factors, including, but not limited to the configuration and usage of a product.

Your use of our products is at your own discretion and risk. You will be solely responsible for (and UNIT 1 disclaims) any and all loss, liability or damages resulting from your use of our products, including loss of life, personal injury, or the loss of or damage to computer, mobile device, and all other property. UNIT 1 does not guarantee or promise any specific level of performance or battery life associated with the use of its products or any feature of them.

With the exception of any warranties implied by state law as hereby limited, the foregoing limited warranty is exclusive and in lieu of all other warranties, guarantees, agreements and similar obligations of manufacturer or seller.

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