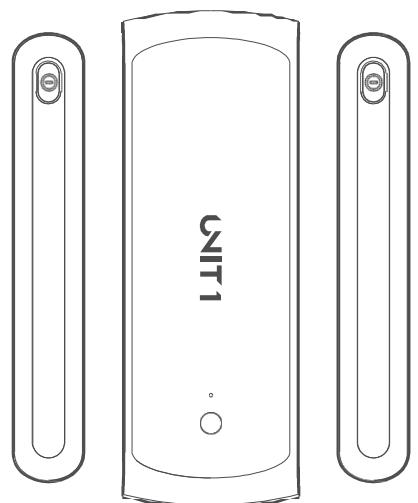


SMART LIGHT

User manual.

Smart Light Pro Dual (SMPDV1)

@unit1gear
www.unit1gear.com



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Congratulations.

You are leveling up your safety with the Smart Light Pro Dual.
This embodies the work of creators, designers, engineers and entrepreneurs trying to build something unique.

You are now a part of its story – use it with pride.

Welcome to the UNIT 1 family.

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⚠️ IMPORTANT

Please read this manual carefully before using your Smart Lights Pro Dual for the first time.

Safety Information

- **WARNING**

 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 the 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 an accident. If using the turn signals signal manual mode, always remember to turn off the signal once used – active turn signals after a turn can confuse motorists around you.

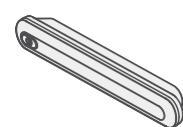
 This product was not designed for motor vehicle use.

 This product has a built-in battery. Be careful to follow all the safety guidelines specified in this User Manual.

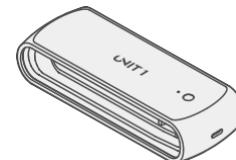
Introduction

Smart Light Pro Dual has rear & front bicycle lights. It is magnetically attachable to a variety of mounts and thus usable in a variety of situations

Package content - SmartLightDual Pro



1. SmartLight X2



2. Charging case



3. Universal mount X2

3. Universal mount strap
(Long & Short) X2

5. Allen wrench

6. USB Type-C /
Type-A Cable

Overview

1. Light
2. Operation
3. Direct Charging
4. Charging Case
5. Mounts
6. Nav Remote
7. Unit 1 App
8. Specs
9. Misc

1. Light

- ▶ Description

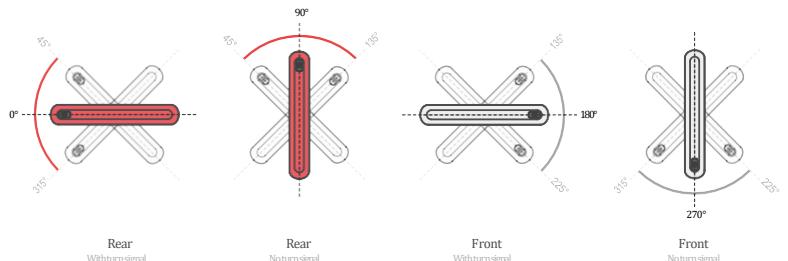
The Smart Light Pro Dual is comprised of 2 outer rings of red & white LEDs and an inner strip of RGB LEDs. Using a proprietary algorithm the light can switch from rear light (red) to front light (white).

The rear of the Smart Light is comprised of 3 powerful magnets used for mounting, 1 USB-C waterproof charging port and 1 waterproof pin-based charging port, used for our Charging Case.

2. Operation

▶ Changing Modes

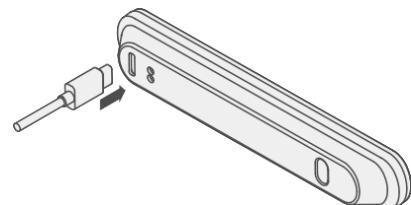
To set the Smart Light on either Rear or Front Mode, power it on by pressing & holding the power button until you see light. After getting a battery reading (displayed via a colored light bar), hold the light in one of these 4 positions to trigger the correct mode. Leave the light in position for 5 seconds (either in your hand or inside a mount) to lock it into that mode. Mode will reset when light is turned off.



IMPORTANT: Please note that vertical orientation does not support Turn Signals. Front (white) lights will not support the automatic Brake Light.

3. Direct Charging

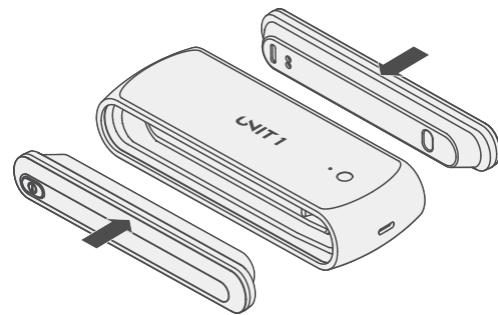
The U1 Smart Light can be charged directly via a waterproof USB-C port located on the rear side. Whilst plugged in, the light will display a green bar showing charging percentage. A full green bar indicates a full charge.



4. Charging Case

- Basics

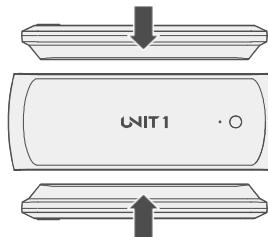
The Charging Case can carry and charge up to 2 Smart Lights simultaneously.



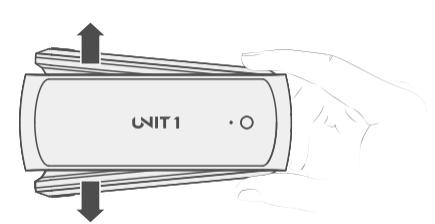
► **Charging Lights in the Case**

To charge the Smart Lights in the Charging Case, position each light in either dock, making sure the pins on the Smart Light are aligned with the pins on the Charging Case (the magnets will pull the Smart Light into position when aligned correctly). To remove the Smart Lights, firmly press the Smart Lights together, exposing the other end of each Smart Light. Upon removal, the Smart Lights will display their battery level once.

Charge



To Remove



- ▶ Pass-through Charging

The Charging Case itself can be charged via the USB-C port on the side. When plugged in alone, it will only charge itself. When plugged in with 1 or 2 Smart Lights docked in, it will first charge the Smart Lights and only once they are fully charged, charge its internal battery.

Battery levels will be displayed while charging via an RGB light on the Case:

Pulsing Red •	> 0% to 33%
Pulsing Yellow •	> 33% to 66%
Pulsing Green •	> 66% to 100%
Solid Green •	> Smart Lights fully charged
Solid White •	> Smart Lights + Charging Case fully charged

- ▶ ChargingCaseButton

The Charging Case has a single multi-use button.
Button actions:

SinglePress	> displays Charging Case battery level
DoublePress	> displays battery level of Charging Case (RGB Led) & Smart Lights (on the lights themselves)

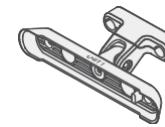
5. Mounts

- ▶ Overview

The U1 Smart Light can be docked into a variety of mounts, each serving a different purpose and applicable for different use cases.



1. Universal Mount



2. SaddleMount



3. HelmetMount

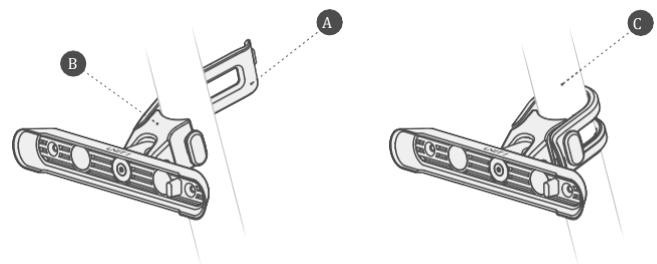


4. ClipMount

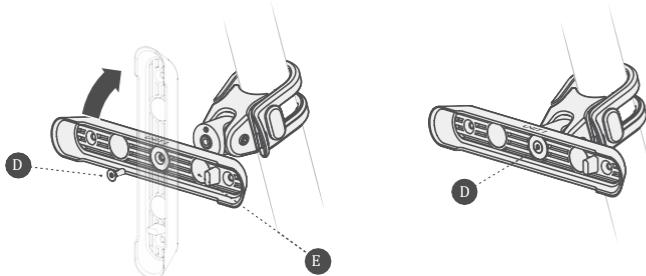
► Universal Mount

To install a Universal Mount:

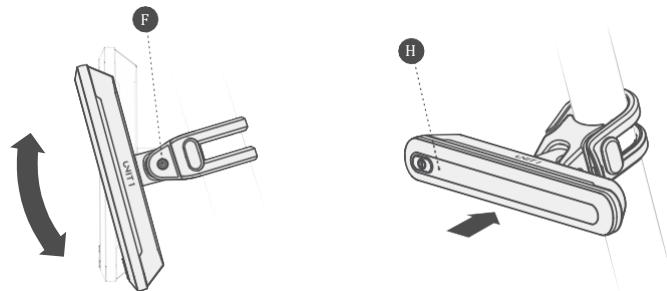
1. Choose a rubber strap (A) of the required length (2 available).
2. Install the rubber strap (A) on 1 end of the mount core (B).
3. Tighten the rubber strap around the seat post/handlebar (C), making sure it is tightly fastened.



4. Control orientation by lightly loosening the inner screw (D) and rotating the dock (E) into the desired position (horizontal or vertical). The screw (D) can be taken off completely to release the dock (E) and reinstall it in an offset position.
5. Secure the screw (D) to lock the dock in each orientation (make sure the light engages the right mode when docked in).



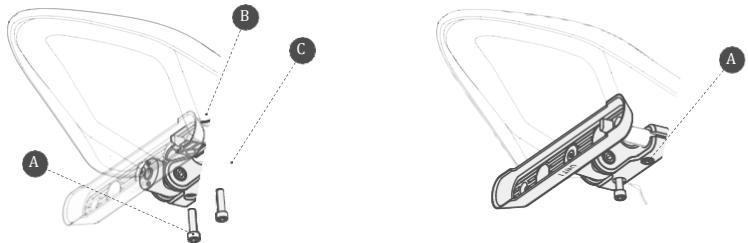
6. Control angle via the side screw (F).
7. Test the entire assembly to make sure it is secure. And mount your Smart Light (H) magnetically for riding.



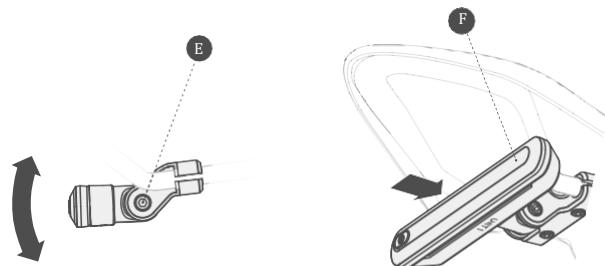
► SaddleMount

To install a Saddle Mount:

1. Remove the screws (A) to fully disassemble the clamp.
2. Position the top half of the clamp (B) over the tube structure underneath your saddle.
3. Position the bottom clamp (C) under the tubes.
4. Reinstall the screws (A) clamping the saddle structure.



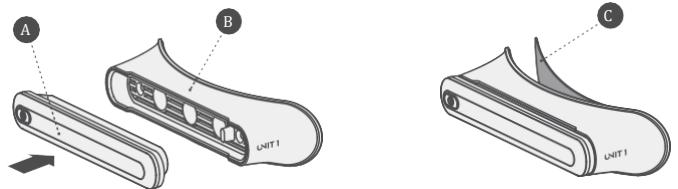
5. Control angle via the side screw (E).
6. Test the entire assembly to make sure it is secure. And mount your Smart Light (F) magnetically for riding.



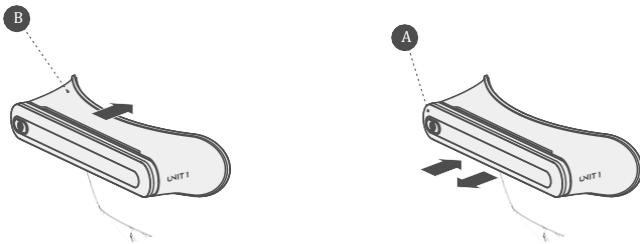
► HelmetMount

To install a Helmet Mount:

1. Clean the helmet prior to installation – use a damp cloth and wait for it to dry up.
2. Turn on a Smart Light (A) and dock it into mount (B) to make sure it fits in the desired mode.
3. Remove the back film (C) of the mount, exposing the sticky surface.



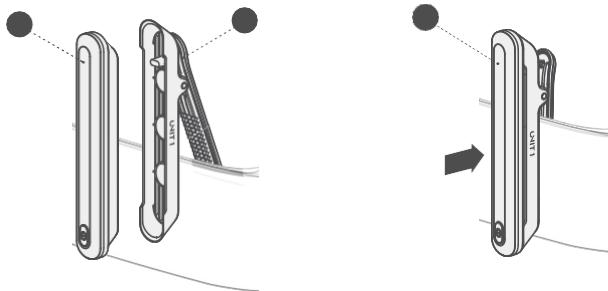
4. Position the mount (B) on the helmet and press firmly for 40 seconds.
5. Check if the mount is secure by docking and undocking a Smart Light (A). And mount your Smart Light magnetically for riding.



▶ ClipMount

To install a Clip Mount:

1. Open the clip (A) to hook the mount where you want.
2. Turn on the Smart Light (B) and dock it to make sure the position of the Smart Light is correct.
3. Mount your Smart Light (B) magnetically for riding.



6. Navigation Remote

•Overview

The Smart Lights can be connected to the U1 Remote. This enables Turn Signals, Brake Light and Remote Power on your Smart Light(s).

1. Start with all devices OFF
2. Power ON your Smart Light (press & hold the power button)
3. Quickly after, press & hold any button on the UNIT 1 Remote until arrows start flashing left & right
4. Wait for yellow flashes on your Helmet
5. Wait for 10 seconds.
6. Pairing complete - give it a try!

* Works with multiple Smart Lights simultaneously

*If this fails, reset all devices (press the power button 8 times in quick succession) and retry.

7. Functionguide

- **UNIT1 App**

The U1 Smart Lights are compatible with our Companion App. The App will allow you to customize the lights to your liking, track battery levels across multiple U1 devices and access the Crash Alert feature if you have a U1 Helmet.

- **Download**

Android: Google Play Store > Unit 1
iOS: App Store > Unit 1

- or scan the QR code below.



8. Specs & Regulatory

- Smart Light
Input: 5VDC 1A
Capacity: 570mAh
Temperature: 0 to +40°C

Battery Life:
Solid 100% : 180 min • / 210 min •
Beacon @ 100% : 900 min • / 1050 min •
Beacon @ 50% : 1800 mins • / 2100 min

- Charging Case
Input: 5VDC 2A
Capacity: 2500mAh.
Temperature: 0 to +40°C

Maximum current per Smart light docked:
475mA (By pogo pin).
Protection for over temperature and short
circuit on pogo pin.

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SPECIFICATION OF RADIO TRANSMISSION

PRODUCT: Smart Light Pro Dual

MODEL NUMBER: SMPDV1

OPERATING FREQUENCY: 2402 - 2480MHz

POWER: DC 5V 2A

FCC ID: 2A25E-SMPD

The above product is in conformity with the European Radio Equipment Directive (RED) 214/53/EU which is subject of EU Certificate issued by Shenzhen HUAK Technology Co., Ltd.

Bluetooth LE

Maximum Output Power: 0 dBm EIRP Average (Calculated)

Maximum Antenna Gain: 1.5 dBi

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.

NOTE: This equipment has been tested and found to comply with the limits for a 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:

- o Reorient or relocate the receiving antenna.
- o Increase the separation between the equipment and receiver.
- o Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- o Consult the dealer or an experienced radio/TV technician for help.

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

RF WARNING STATEMENT

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

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EU Declaration of Conformity

Here by, Unit 1 Gear, Inc. declares that the radio equipment type in this helmet is in compliance with Radio Equipment Directive (RED) 214/53/EU. The full text of the EU declaration of conformity is available at the following internet address:
www.unit1gear.com/pages/eu_doc

Name: Smart Light Pro Dual
Model: SMPD

► Recommendations for use

- Do not try to replace the battery or open the case or take your U1 Smart Light or Charging Case apart. Each of these actions will void the warranty and may pose safety risks. The substances contained in batteries may be harmful for the environment or cause injury if handled and disposed of inappropriately.
- Do not expose your U1 Smart Light or Charging Case to extreme temperatures (The product is designed to operate when uncharged: -20°C to +60°C, and while charging: 0°C to +45°C).
- Do not use any abrasive products to clean your U1 Smart Light or Charging Case.
- Do not throw your U1 Smart Light or Charging Case into a fire. Their battery may explode.

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 instructions.

INFORMATION ON WASTE DISPOSAL AND RECYCLING

Make sure you dispose of your product at a recycling center. Each country and province have 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.

9.Warranty

- USA 1 year limited warranty / EU 2 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 from 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 tears.

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).

[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 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) 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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This User Manual was originally constructed in the English language.

Any other renditions in other languages are translations.

In the case of any for contradictory or unclear claims, please refer to the original version of this User Manual in English.

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