

FLASHLIGHT KIT

W2000

User Manual



WARNING

Never look directly at or shine the flashlight into the eyes of a person or animal.

The flashlight should be used under adult supervision only.

Avoid contact with the area near the lens of the flashlight after periods of use, as it may be extremely hot.

Avalanche transceivers can experience interference from all electronic devices in close proximity, including flashlights—even when they are powered off. Do not use your flashlight in close proximity to an avalanche transceiver in use. For more information on avalanche transceiver interference, refer to the manufacturer of your transceiver.

Charge the flashlight battery in temperatures between 5°C and 40°C. Do not charge or store the battery in extreme environments.

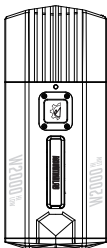
This product should be charged before first use and at least once every three months in storage. Failure to do so may result in damage to the battery.

CAUTION!

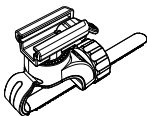
Take care when riding at night to avoid accidental powering off of the flashlight. The sudden loss of illumination could result in a crash.

To avoid accidental powering off of the flashlight by the wireless handlebar remote, do not ride with a thumb or finger resting on the remote control button.

► **W2000 FLASHLIGHT KIT CONTENTS**



W2000 Flashlight



Handlebar quick
release mount



Helmet quick
release mount

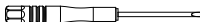


Under mount cover



**Wireless Remote Control
for Flashlight**

Model: W2000-WR



Mini screwdriver



USB-C to C charging cable

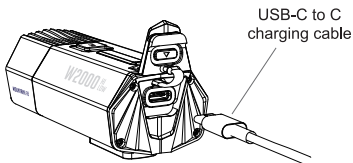


Torx wrench



Torx screw x3

► *HOW TO CHARGE THE FLASHLIGHT*



Charge the flashlight battery fully before first use.

To charge the battery, open the waterproof port cover flap at the back of the flashlight as shown and insert the included USB-C charging cable into the Type-C port. Then, insert the other end of the charging cable into a household USB-C charging adapter or computer USB-C port.

Battery Charging Indicator

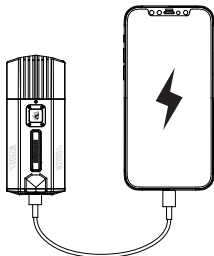
Flashing red light – the battery is charging

Solid blue light – the battery is fully charged

► *POWER BANK FUNCTION*

The W2000 may be used as a power bank to charge your smartphone or other electronic devices.

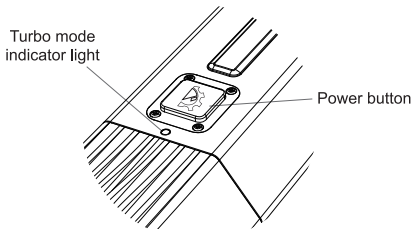
To do so, open the waterproof port cover flap at the back of the flashlight and insert the USB-C plug of your device's charging cable into the TYPE-C port.



► FLASHLIGHT OPERATION

Power On and Off

Press and hold the button for $\frac{3}{4}$ second to power on or off the flashlight. The flashlight will turn on in the same intensity setting it was last used.



Turbo Mode Indicator

The indicator light will illuminate red when Turbo mode is in use, otherwise it will remain off.

Steady Mode

With the flashlight powered on in Steady mode, short press the power button to cycle through the Steady mode settings.

Steady Mode	Brightness (lumens)	Battery Life
Turbo (high & low beams)	1800	1.5 hr
High (high & low beams)	900	3 hr
Medium (low beam only)	800	3 hr
Low (low beam only)	400	6 hr

High Beam/Low Beam Switching

When riding in areas with traffic, other riders, pedestrians or animals, the W2000 flashlight can quickly and easily switch between 'high beam' and 'low beam' settings to avoid disturbing the vision of others. This functionality works similar to the high and low beams of an automobile or powersports vehicle.

Start in either Low or Medium Steady mode (using the lowest intensity that provides good and adequate visibility). This is your 'low beam' headlamp setting.

To quickly switch to 'high beam' aka the Turbo Steady mode intensity (just as you would do when driving an automobile when no other traffic is present):

- **Quick press the button twice within ½ second**

Turbo Steady mode uses both high & low beams at the highest intensity, for maximum visibility.

To return to the previously used mode 'low beam' in the presence of other users or traffic:

- **Press the power button once**

Pulse Mode

Pulse mode can be used to improve rider visibility or help be located in an emergency situation.

To switch from Steady mode to Pulse mode, press and hold the power button for 2 seconds.

While in Pulse mode, short press the power button once to cycle between Eco and Daytime Flash intensity settings.

Pulse Mode	Brightness (lumens)	Battery Life
Eco	50-100	25 hr
Daytime Flash	600	30 hr

To exit Pulse mode (and return to Steady mode), press and hold the power button for two seconds.

Lockout Mode

To prevent the flashlight from being powered on unintentionally (for example when carried inside a backpack, pocket or powersports vehicle storage), the flashlight may be placed into Lockout mode.

To enter Lockout mode from any state, press and hold the power button for 5 seconds. The flashlight will power off and become locked out.

In Lockout mode, the flashlight cannot be powered on normally. Lockout mode must be exited before normal operation can resume. If the power button is pressed while in Lockout mode, the indicator light will flash 3 times to indicate the Lockout mode is active.

To exit Lockout mode, short press the power button 5 times within 3 seconds. The flashlight will power on and resume normal operation in the Low Steady mode.

Lockout Mode may also be exited by fully charging the flashlight.

Note: The wireless handlebar remote *cannot* be used to enter or exit lockout mode.

► HOW TO DISPLAY THE BATTERY LEVEL

The current battery charge level is indicated by the power button light when the flashlight is powered on.

Blue = 61 to 100% battery charge remaining

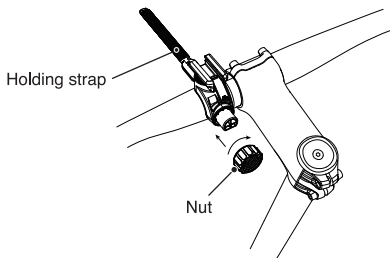
Yellow = 21 to 60% battery charge remaining

Red light = 1 to 20% battery charge remaining

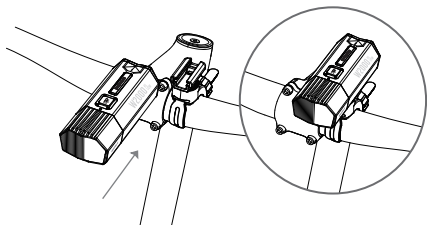
To check the battery level when the flashlight is powered off, short press the power button. The power button light will illuminate for 5 seconds to indicate the battery level.

Note: When the flashlight battery charge remaining drops below 10%, the flashlight will automatically lock into Eco Pulse mode until the battery is charged.

► *HANDLEBAR TOP MOUNT*



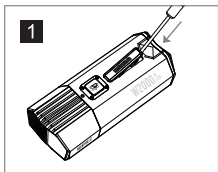
To install the handlebar quick release mount on the handlebars, first remove the nut then wrap the strap around the handlebar and insert it back through the slot in the bracket. Slide the nut over the end of the strap and tighten it onto the threads. Do not overtighten.



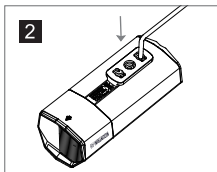
To attach the flashlight to the quick release mount, slide the mounting bracket on the bottom of the flashlight into the mount slot until it clicks. Check to see that it is secured before riding. To remove, press down on the release tab and slide the flashlight off the mount.

► Wireless Remote Control for Flashlight

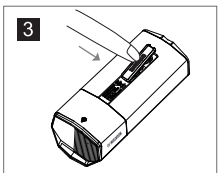
If necessary, the W2000 flashlight may also be installed beneath the handlebars. However, in most cases the top mount is preferred.



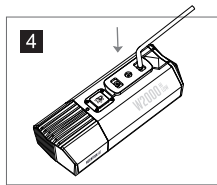
Insert the end of the mini screwdriver into the slot at the back of the under mount cover, and gently pry up to remove.



Flip over the flashlight and use the Torx wrench to remove all 3 screws securing the base mount.



Snap the under mount cover into place, with the pry slot at the rear (away from the lens).



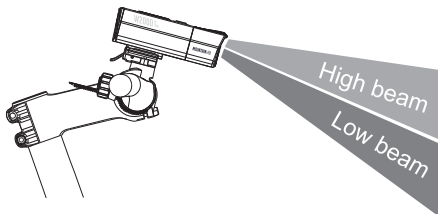
Flip the flashlight back over and secure the base mount to the top, using the Torx wrench to snug all 3 screws.

Note: Do not overtighten.

Finally, install the handlebar quick release mount upside-down on the handlebars.

Attach the flashlight mounting bracket as normal.

► **HEADLIGHT ANGLE ADJUSTMENT**



To adjust the beam angle of the handlebar mount, loosen the nut slightly. Rotate the bracket on the handlebar so that the low beam does not shine directly into oncoming traffic, then tighten the nut firmly to secure the bracket in place.

To adjust the left to right angle of the flashlight, simply rotate the flashlight by hand and it will click into the new position.

► **Wireless Remote Control for Flashlight**

Before first use

Prior to pairing the **Wireless Remote Control for Flashlight**, the remote battery insulating patch must first be removed.

Insert the mini screwdriver into the slot on the side of the remote battery cover and pry off the backing. Remove the insulating patch.



When reinstalling the remote battery cover, take care to align the tabs on the cover with the slots on the remote housing before snapping the cover back into place.

► Wireless Remote Control for Flashlight (CON'T)

Pairing

Wireless Remote Control for Flashlight must first be paired with the W2000 before it can be used to operate the flashlight.

To pair the remote:

1. Press and hold the power button on the flashlight for 2 seconds to enter Pulse mode.
2. Within 10 seconds of the flashlight entering Pulse mode, press and hold the wireless handlebar remote button for 2 seconds.

The remote will pair, and the flashlight will revert to its previously used mode.

The **Wireless Remote Control** may now be used to perform all the normal operations of the flashlight, including powering it on and off.

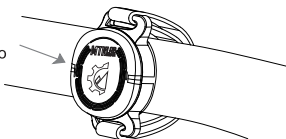
Note: The wireless remote *cannot* be used to enter or exit lockout mode.

► REMOTE SECUREMENT

Secure the Wireless Remote Control for Flashlight firmly to the handlebar (or around the grip) using the hook-and-loop strap, using one or two wraps depending on handlebar diameter and preference.

The remote can be used to turn the light on/off and to change light settings while riding without removing hands from the handlebar.

**Wireless Remote Control
for Flashlight** secured to
handlebar



► **HEAT WARNING**

The Mountain Lab W2000 is an incredibly bright flashlight that produces more than twice the light output of a 60 watt incandescent light bulb. Heat is a natural and unavoidable byproduct of such intense energy output, and the generation of heat should be expected with normal use of the product, especially at high intensity settings.

For safety, the W2000 is marked with a "HOT" warning in the area near the flashlight lens, where the heat is generated.

WARNING: Avoid contact with the area near the lens of the flashlight after periods of use, as it may be extremely hot.

Circuit Protection

Should the internal components of the W2000 Flashlight reach 65°C as a result of extended use at a bright intensity setting, the flashlight will automatically switch to Medium Steady mode. Once the temperature drops below 55°C, the flashlight will revert back to the previously used mode.

Extreme Temperature Protection

If the temperature of the internal components becomes higher than 90°C or lower than -20°C, the flashlight will enter an extreme temperature protection mode.

To protect the internal components of the flashlight, it will become locked into Low Steady mode. The power button indicator will flash 3 times then turn off for 1 second, in a repeating pattern.

The flashlight will automatically exit the extreme temperature protection mode once the internal temperature returns to the normal operating range.

► **SPECIFICATIONS**

Max Brightness: 1800 Lumens

Light range: >200 m

Light Source: LUMINUS LED

Waterproofness: IPX6

Battery: 3.7V 6700 mAh

Input/Output: 5V/2A

Charging time: 3 h

Dimensions: 101 x 43 x 38 mm

Weight: 207 g

► **REGULATORY STATEMENTS**

FCC (USA)

FCC ID: 2ATVZ-W2000

This equipment complies with FCC radio frequency (RF) radiation exposure limits set forth for an uncontrolled environment and meets the FCC RF Exposure Guidelines.

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

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:

- 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

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

► **REGULATORY STATEMENTS (CON'T)**

ISED (CANADA)

IC: 25245-W2000

This equipment complies with IC RSS-247 radiation exposure limits set forth for an uncontrolled environment and meets the RSS-247 of the ISED radio frequency (RF) exposure rules.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

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

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

CAN ICES-3 (B)/NMB-3 (B)

► **WARRANTY**

For warranty inquiries, contact warranty@mountainlabgear.com



RoHS

FC

IC

CE

