About this manual
This manual is for Bontrager lights Ion 450R and Ion 450RT.
The RT version allows wireless control when paired with the Bontrager Transmitr system. Please read this entire manual. Check for updates at bontrager.com

IMPORTANT: Check your local lighting laws. Flashing Lights and full brightness may not be allowed in all locations. Ion 450 R/VRT do not conform to the German road traffic regulation StVZO.

For more information
If you need help not offered by this manual, talk to your Bontrager retailer or visit bontrager.com

List of parts
Light (with battery enclosed)
“To see” LED light source provides a bright light up to 450 lumens in a focused 15-degree beam pattern to illuminate the road ahead.
“To be seen” light sources at the sides of the light provide 270-degree visibility.
The permanently enclosed Lithium-ion (Li-ion) battery is a high-performance rechargeable 1450 mAh cell.

Quick connect mounting bracket (PN W527649)
Quick connect fits any size of round handlebar, 22.2mm to 36mm.
The mount may be turned 90 degrees for attaching to the stem.

Charger cable
Micro USB cable can be plugged into a computer or wall adapter (adapter not included).

Welcome.
www.bontrager.com

Accessories
This light is compatible with these optional mounting systems. Please see your Bontrager retailer for details.

Bontrager helmet mount (PN 428462)
• A strap mount that easily attaches a Bontrager Ion or Flare light to most helmets.

Bontrager Lithos helmet Blendr accessory mount (PN 516635)
• A Blendr mount that integrates into the Bontrager Lithos helmet.

Bontrager Ion handlebar mount (PN W530421 fits 22.2-31.8mm) (PN 55327 fits 31.8-35mm)
• A hinged clamp that securely attaches an Ion light to the handlebar.

Bontrager Sync handlebar bracket (PN 418921)
• An adjustable rubber mount that fits 22.2-30mm handlebars or seatpost.

Bontrager Blendr accessories
• An attachment system designed as a feature of Bontrager Blendr stems that fits a variety of accessories. Please see your Bontrager retailer for details.

Operating the light

Power button
To turn on, press the power button.
When turned on, the Ion 450 will be in the output mode last used before turning off.
To turn off, press and hold the power button.
The power button LED tells the percent of battery charge that remains.

To change mode
1. Quick-press the power button. Each press moves to the next mode (see table below).

Modes of the Ion 450R/RT

<table>
<thead>
<tr>
<th>Mode</th>
<th>Lumen Output (peak)</th>
<th>Runtime (hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>High</td>
<td>450</td>
<td>1.5</td>
</tr>
<tr>
<td>Medium</td>
<td>300</td>
<td>3</td>
</tr>
<tr>
<td>Low</td>
<td>100</td>
<td>6</td>
</tr>
<tr>
<td>Night</td>
<td>50 steady with 150 flash</td>
<td>8</td>
</tr>
<tr>
<td>Day</td>
<td>300 day pattern</td>
<td>10</td>
</tr>
</tbody>
</table>

Low Battery
Low Battery protection automatically adjusts the output brightness to 50 lumens when the battery supply goes below 5% and extends the light output for an additional 20 – 30 minutes.

High Beam enables full brightness when paired with Transmitr Remote and center button on remote is pressed. Pressing the center button again will return the light to previous mode.

* Ion 450 RT only – The high beam feature can be used only when paired to a Transmitr Remote.

Trail Configuration enables the Ion 450 R/VRT to toggle between 450 and 200 lumen steady modes. To enable and disable press and hold the power button for 10 seconds with the light off. The main LED will flash once indicating trail configuration has been enabled/disabled.

Status indicator while charging
While charging, the status indicator will flash:
• Red: Actively charging
• Green: Charging complete

NOTE: As the battery progresses from zero charge to full charge, the duration of the flashes will get progressively longer.
The power button LED indicates the battery charging status.

Pairing to the Transmitr Remote or select Garmin Edge computers (Ion 450RT only)
The Transmitr Remote or select Garmin Edge computers, sold separately, allows remote control of the light. This feature is only available on the Ion 450R/RT other compatible Transmitr lights.
For more complete instructions, refer to the Transmitr manual at bontrager.com or visit support.garmin.com for Garmin related instruction and a complete listing of compatible Edge devices.
All pairings must be done in a single session. Before starting, place the remote and all lights within a small area.
NOTE: Move 15 feet from other Transmitr / ANT+ compatible lights to prevent accidental pairing. If it is accidentally paired, start the pairing process over.
1. Place the light close to the Transmitr Remote (within 15cm / 6in).
2. Quick-press the power button on the light to turn it on, then quick-press to turn it off again.

NOTE: After completing this step, do not press the power button on the light again until pairing is complete.
3. Press-and-hold the center button on the Transmitr Remote for at least 8 seconds. When the center buttons flash, release the center button.
4. While the remote searches for a light, its center button flashes red. When the Transmitr Remote finds a light, the center button on the remote will change from red to green, and the found light will flash.
5. While the found light is still flashing, quick-press the button on the Transmitr Remote to which you would like to pair the light. The selected button will glow, and the found (paired) light will stop flashing and turn off.
6. Repeat Steps 4 and 5 for each additional light to be paired.

NOTE: After pairing is finished, pairing any additional lights will require that you repeat the entire pairing procedure.

NOTE: Pairing is not an option for the Ion 450R only model.

Charging the battery
Although the Ion 450R/RT is fully charged at the factory, it is recommended to charge it before first use. Complete charging takes approximately 4 hours from empty.
1. Plug the Micro charger cable into the USB port on the light.
2. Plug the cable into a computer or wall adapter.

To exit pairing
1. When all lights are paired, quick-press the center button on the remote. The button will stop flashing and turn off.

To verify pairing
1. Quick-press the center button on the remote to turn on all paired lights.
2. Press-and-hold the center button to turn off all of them.
3. Turn on each light individually. Quick-press each paired button on the remote to turn on the individual light(s).
4. Press-and-hold the same button to turn off the light.
Travelling with the battery
Li-ion batteries cannot be shipped by air due to an overheating hazard. When travelling by air, place the light in your carry-on.

Caring for the battery
Store the battery at room temperature in a dry place. Avoid moisture, or extreme hot or cold. Store the battery in the charged condition. Avoid ‘deep discharge.’ Battery life will decrease if the battery is stored in a fully discharged condition. Over time, the run time of the battery will diminish. Expect about 50 full charges, depending on care. After a full life, the battery will continue to charge but with a lower run time. When the run time is unsatisfactory, do not open the case of the light or incinerate; please recycle.

**WARNING**
- It is not correct lights and reflectors might be difficult for other people to see, and you might not be able to see. If you cannot see, or other people can not see you, you could have an accident. Make sure your lights operate correctly and that batteries are charged.

**Specifications**
- Ion 450RT and Ion 450RT: 3.7Vdc, 1440mA/h, 5.5W
- Ion 450RT: Frequency-2.45GHz, Maximum RF Power-1mW

Industry Canada Compliance
Ion 450RT — P/N 560799
IC ID: XXXXXX-XXXXXX0000
CAN ICES-3(B)/NMB-3(B)
This device complies with Industry Canada license-exempt RSS standards.
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. 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. 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. Exemples de licence. L’exploitation est autorisée aux deux conditions suivantes: (1) l’appareil ne doit pas produire de bruitage, et (2) l’utilisateur de l’appareil doit accepter tout bruitage radiodiffusion à laquelle il est susceptible d’en compromettre le fonctionnement.

This Ion 450RT/RT lighting equipment complies with FCC and IC radio exposure limits set forth for an uncontrolled environment. The radiated output power of the Ion 450RT Wireless Device is below the Industry Canada (IC) radio frequency exposure limits, when used as directed in this manual. (Note: attaching this light to a helmet changes the absorption characteristics of the light body system). This equipment is in direct contact with the body of the user under normal operating conditions. This transmitter must not be located or operating in conjunction with any other antenna or transmitter. Status of the listing in the Industry Canada’s RIEL (Radio Equipment List) can be found at the following web address:
Additional Canadian information on RF exposure also can be found at the following web address: http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08792.html

This symbol on the product(s) to designated collection points. Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.

Recycling
Please recycle the battery. In the US, you can find out where to do this at call2recycle.org.

European Union Compliance
Ion 450RT and Ion 450RT do not comply with German (StVZO) regulations.
Trek Bicycle Company and Bontrager hereby declare that the wireless device identified as ‘Ion 450RT’ and ‘Ion 450RT’ are in compliance with the following European Directives:
- Radio Equipment Directive 2014/53/EU (Ion 450RT only)
- EMC Directive 2014/30/EU
- Low Voltage Directive 2014/35/EU
- RoHS Directive 2011/65/EU
The full text of the EU declaration of conformity is available from your dealer, or the following internet address: http://www.bontrager.com/support

Korean Compliance
Ion 450RT and Ion 450RT on P/N 531328
한국인증 정보: ION 450RT
제조자/제조국가: TREK BICYCLE Corporation (대한 민국 상주공장, MSIP-CMT-318-531317)
제품의 전자파적합성의 자격은 대한민국 민간전파적합성인증을 받은 것입니다.
Ion 450RT P/N 531328
한국인증 정보: TREK BICYCLE Corporation (대한 민국 상주공장, MSIP-CMT-318-531317)
제품의 전자파적합성의 자격은 대한민국 민간전파적합성인증을 받은 것입니다.
Ion 450RT P/N 531328
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