Bontrager

Ion Pro RT
ION 200 RT
Flare RT

About this manual
This manual is for Bontrager lights Ion Pro RT, Ion 200 RT (headlights) and Flare RT (tail light). RT indicates light is rechargeable and remote controllable when paired with Bontrager Transmitter remote, PN 502865, or another ANT+ compatible device.

⚠️ WARNING
Do not use if the battery is impacted. Also do not puncture, crush, deform, disassemble, or heat a lithium-ion battery above the permitted temperature. Inflicted damage to the battery may result in a fire, explosion, or coming in contact with spics of lithium or lithium dust.

Please read all Warnings in this manual before using these lights.

Specifications
- Ion Pro RT: 4900mAh, 3.63V, 17.78Wh lithium-ion battery
- Ion 200RT and Flare RT: 4200mAh, 3.7 Vdc, 1.6 Wh lithium polymer battery
- Battery charging and operating temperature: 32°F to 113°F (0°C to 45°C). Reduced performance when operating below freezing.

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

Basic operation (see Table 1)
To turn on, double click (Ion Pro RT) (similar to a computer mouse) and single click (Ion 200 RT / Flare RT) the power button.

NOTE: When turned on Ion Pro RT, Ion 200 RT and the Flare RT will return to the last active mode.

Table 1. Modes, runtimes, and battery life

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Button/Status LED</th>
<th>Mode</th>
<th>Max Output (lumens)</th>
<th>Runtime (hours)</th>
<th>Power Button/Status LED Color</th>
<th>Battery Life, %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ion Pro RT</td>
<td>Power/Status LED Button</td>
<td>High</td>
<td>1300</td>
<td>1.5</td>
<td>Green Steady</td>
<td>25 to 100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Medium</td>
<td>800</td>
<td>3</td>
<td>Red Steady</td>
<td>5 to 25%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Low</td>
<td>400</td>
<td>6</td>
<td>Red Flash</td>
<td>Less than 5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Night</td>
<td>200</td>
<td>26</td>
<td>Red Flash</td>
<td>Less than 5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Day</td>
<td>300</td>
<td>22</td>
<td>Red Flash</td>
<td>Less than 5%</td>
</tr>
<tr>
<td>Ion 200 RT</td>
<td>Power/Status LED Button</td>
<td>High</td>
<td>200</td>
<td>1.5</td>
<td>Green Steady</td>
<td>25 to 100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Medium</td>
<td>100</td>
<td>3</td>
<td>Red Steady</td>
<td>5 to 25%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Low</td>
<td>50</td>
<td>14.5</td>
<td>Red Steady</td>
<td>5 to 25%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Night</td>
<td>5</td>
<td>30</td>
<td>Red Flash</td>
<td>Less than 5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Day</td>
<td>100</td>
<td>12</td>
<td>Red Flash</td>
<td>Less than 5%</td>
</tr>
<tr>
<td>Flare RT</td>
<td>Power/Status LED Button</td>
<td>Day</td>
<td>90</td>
<td>6</td>
<td>Green Steady</td>
<td>25 to 100%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All Day</td>
<td>40</td>
<td>12</td>
<td>Green Steady</td>
<td>5 to 25%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Night</td>
<td>5</td>
<td>15</td>
<td>Red Steady</td>
<td>5 to 25%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Day Steady</td>
<td>25</td>
<td>4.5</td>
<td>Red Flash</td>
<td>Less than 5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Night Steady</td>
<td>5</td>
<td>13.5</td>
<td>Red Flash</td>
<td>Less than 5%</td>
</tr>
</tbody>
</table>

*Supports auto brightness.  *Not including 30 minute low battery feature

Battery charging and care (see Table 2)
Although the light is charged at the factory, it is recommended to charge it before first use.

To charge the battery
1. Open the USB port cover.
2. Plug the Micro charger cable into the USB port on the light.
3. Plug the cable into a computer or wall adapter.
4. When the charge is complete, unplug the Micro charger cable and close the USB port cover.

IMPORTANT: Ensure the USB cover is latched before riding in rain or in wet conditions. If the USB cover is not closed, damage to the light may occur.

Table 2. Battery charging and care

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Button/Status LED Color</th>
<th>Charge, %</th>
<th>Charge Duration (hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ion Pro RT</td>
<td>Red Flash</td>
<td>&lt;25%</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>Yellow Flash</td>
<td>25% - 75%</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Green Flash</td>
<td>75% - 99%</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Green Steady</td>
<td>100%</td>
<td>2</td>
</tr>
<tr>
<td>Ion 200 RT</td>
<td>Red Flash</td>
<td>0% - 75%</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Green Flash</td>
<td>75% - 99%</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Green Steady</td>
<td>90% - 100%</td>
<td>2</td>
</tr>
<tr>
<td>Flare RT</td>
<td>Red Flash</td>
<td>0% - 75%</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Green Flash</td>
<td>75% - 99%</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Green Steady</td>
<td>90% - 100%</td>
<td>2</td>
</tr>
</tbody>
</table>

*Red Flash (2 Hz with 4 wire USB cable and a 500mA charger, or slow (1 Hz) with 2 wire USB cable)*
*When fully charged, status LED remains steady for 1 minute then turns off* (Requires a 4 wire USB cable, supplied, and a 500mA charger)

⚠️ WARNING
The lights may be hot and could cause a burn or damage material it may contact. Do not activate burn on light in enclosed area. Avoid accidental wireless activation.

Caring for the battery
Store the light at room temperature in a dry place. Avoid moisture, or extreme hot or cold.

Store the light 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 500 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.

Traveling with the battery
Li-ion batteries cannot be shipped by air due to airline regulations. When traveling by air, place the light in your carry-on.

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

This symbol on the product(s) and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling, outside the US, please take this product(s) to designated collection points. Alternatively, in some countries you may be able to return your products to your local retailer upon purchase of an equivalent new product. Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.

List of parts
You may have purchased one or more of the following lights.

<table>
<thead>
<tr>
<th>Light</th>
<th>Ion Pro RT</th>
<th>Ion 200 RT</th>
<th>Flare RT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mount</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Front of bike</td>
<td>Quick Connect 6’ Mounting Bracket PN W0527549</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Mounts to the seatpost or a rack</td>
</tr>
<tr>
<td>Charging Cable</td>
<td>Fast Charge Micro USB Cable PN W0559735</td>
<td>Charger Cable PN W027765, (2-wire)</td>
<td>Charger Cable PN W0527765, (2-wire)</td>
</tr>
<tr>
<td>Accessories</td>
<td>Head Lights</td>
<td>Helmets (Blendr mount system) *Circuit Model 21764 Ralley Model 21797</td>
<td>22.2-31.8mm Adjustable Bar Mount PN W0504241</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Bontrager Helmet Bracket PN 428462</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>22.2-35.0mm Adjustable Sync Bracket Model 418521</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Bontrager Garmin Edge 1030 GPS Computer Model 217831</td>
</tr>
</tbody>
</table>

*Compatible with all Bontrager RT lights.

NOTE: BN-100 GPS computer not included.

Accessories
- Head Lights
- Helmets (Blendr mount system)
- Circuit Model 21764
- Ralley Model 21797
- 22.2-31.8mm Adjustable Bar Mount PN W0504241
- Bontrager Helmet Bracket PN 428462
- 22.2-35.0mm Adjustable Sync Bracket Model 418521
- Bontrager Garmin Edge 1030 GPS Computer Model 217831

Tails
- Rack attachment
- Use an 8mm M5 bolt and washer, PN 537067 with Quick Connect 16’ bracket supplied, or with complete rack mount kit, PN 502378
- Seat Pack Clips
- Metal, PN 424905
Plastic, PN W028503
- Speed Concept Attachment
- Take off the reflector mounting bracket, PN W0527560 and replace the end with the Flare Round Mounting Kit interface, PN 418932

Ion Pro RT information, installation, and special features

Installation
1. Loosen knob and open.
2. Adjust for bar size (31.8mm or 35.6mm).
3. Close and tighten knob.
4. Slide light onto mount until it locks in place.

NOTE: Use provided shim to fit 25.4 bars.

Removal
- Press down.
- Slide light to remove.

Low battery feature
When the battery charge drops below 5% the light automatically adjusts the output brightness to 50 lumens. This extends the output light for an additional 30 minutes.

Locking/Unlocking the mode
Turn on and select the desired mode, then press and hold the power button 8 seconds to select it. The light will turn off and the main LED will flash once. To unlock, repeat the process.

Reset
To reset the light to factory default settings, with the light on, press and hold the power button for 15 seconds. The main LED will flash once at 8 seconds, and again at 15 seconds. Release the button after the second flash.

Wireless Communication
The light is shipped with ANT+ and Bluetooth wireless connectivity enabled.

To disable, with the light off, press and hold the power button for 15 seconds. The light will turn off and the main LED will flash once at 8 seconds, and again at 15 seconds. Release the button after the second flash.

NOTE: The status LED turns on blue for 3 seconds if the wireless is enabled.

After 3 seconds, the status LED continues to display the battery level. If the wireless is disabled, the status LED immediately displays the battery level.
Paired to the Transmit Remote, Bontrager Garmin Edge® GPS computer or select Garmin Edge® computers

The Transmit Remote (or select Garmin Edge computers, sold separately) allows remote control of the light. This feature is only available on the Ion Pro RT, Ion 200 RT, and the Flare RT as well as other compatible Transmit lights. For more complete instructions, refer to the Transmit manual at trekbikes.com. For Garmin related instruction and a complete listing of compatible Edge devices visit support.garmin.com.

Before starting, place the remote and all lights within a small area. Move 15 feet from other Transmit / ANT+ compatible lights to prevent unintentional pairing. If a light is unintentionally paired, reset the pairing process at the beginning.

NOTE: All pairings must be done in a single session. After pairing is finished, pairing any additional lights will require that you repeat the entire pairing procedure.

1. Place the light close to the Transmit 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 Transmit Remote for at least 8 seconds. When the center button flashes, release the center button.
4. While the remote searches for a light, its center button flashes red. When the Transmit 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 light is still flashing, quick-press the button on the Transmit Remote to which you would like to pair the light. The selected button will glow, from red to green, and the found light will flash.

6. Repeat Step 4 and Step 5 for each additional light to be paired.

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.
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 light individually.
4. To exit pairing, repeat the process in reverse.

To verify pairing
1. When all lights are paired, 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 light individually.
4. Turn off and select the desired mode, then press and hold the power button 8 seconds to select it. The light will turn off and the main LED will flash once. Release the button after the second flash.

Auto brightness
This light is shipped with an ambient light sensor disabled. When the ambient light sensor is enabled, the light automatically changes modes with ambient light conditions. To change from Day Flash to All Day Flash to Night Flash.

Wireless Communication
This light is shipped with ANT+ and Bluetooth wireless connectivity enabled. To disable, with the light off, press and hold the power button for 15 seconds. The main LED will flash once at 8 seconds, and again at 15 seconds. Release the button after the second flash.

Reset
To reset the light to factory default settings, with the light on, press and hold the power button for 15 seconds. The main LED will flash once at 8 seconds, and again at 15 seconds. Release the button after the second flash.

Low battery feature
When the battery charge drops below 5%, the light automatically adjusts the output brightness to begin flash. This extends the light output for an additional 30 minutes.

Front of bike

<table>
<thead>
<tr>
<th>Battery Status LED Color</th>
<th>Battery Life, %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Less than 5</td>
</tr>
<tr>
<td>Green</td>
<td>More than 25</td>
</tr>
</tbody>
</table>

The Transmit Remote

To turn on all lights
ON: Quick-press the center button.
OFF: Press and hold the center button.

To turn on an individual light
ON: Quick-press the center button that controls the light.
OFF: Press and hold the center button.

To change modes of an individual light
Quick-press of a button that controls a light will cycle through the modes.

To see battery status on the remote
When a corner button is pressed, the center button will show the battery status of the light.

Center Button Color Battery Life, %
Red Less than 5
Green More than 25

Industry Canada Compliance
Ion Pro RT (PN 535273)
Id. Code: IC ID 2134-535273

Low voltage feature
When the battery charge drops below 5%, the light automatically adjusts the output brightness to begin flash. This extends the light output for an additional 30 minutes.

The Transmit Remote

To turn on all the desired modes, then press and hold the power button 8 seconds to select it. The light will turn off and the main LED will flash once. Release the button after the second flash.

Auto brightness
This light is shipped with an ambient light sensor disabled. When the ambient light sensor is enabled, the light automatically changes modes with ambient light conditions. To change from Day Flash to All Day Flash to Night Flash.

Wireless Communication
This light is shipped with ANT+ and Bluetooth wireless connectivity enabled. To disable, with the light off, press and hold the power button for 15 seconds. The main LED will flash once at 8 seconds, and again at 15 seconds. Release the button after the second flash.

Reset
To reset the light to factory default settings, with the light on, press and hold the power button for 15 seconds. The main LED will flash once at 8 seconds, and again at 15 seconds. Release the button after the second flash.

Low battery feature
When the battery charge drops below 5%, the light automatically adjusts the output brightness to begin flash. This extends the light output for an additional 30 minutes.

The Transmit Remote

To turn on all the desired modes, then press and hold the power button 8 seconds to select it. The light will turn off and the main LED will flash once. Release the button after the second flash.

Auto brightness
This light is shipped with an ambient light sensor disabled. When the ambient light sensor is enabled, the light automatically changes modes with ambient light conditions. To change from Day Flash to All Day Flash to Night Flash.

Wireless Communication
This light is shipped with ANT+ and Bluetooth wireless connectivity enabled. To disable, with the light off, press and hold the power button for 15 seconds. The main LED will flash once at 8 seconds, and again at 15 seconds. Release the button after the second flash.

European Union Compliance
Ion Pro RT and Ion 200 RT do not comply with German StVZO regulations!

NOTICE: The Transmit Remote is only designed to be paired to a light, not to other devices. Pairing any additional lights will require a repeat of the entire pairing procedure. Pairing any additional devices such as Garmin Edge devices visit support: garmin.com.

To attach with the Quick Connect 0˚ offset bracket

1. Place the quick connect on the handlebar with the hook in front.
2. Stretch the strap under the bar and connect to the hook.

NOTE: Use the second hook to latch excess strap.
3. Slide the Ion 200 RT into the bracket until it clicks. The power button should be facing up and the lens of the light should be perpendicular to the road.

4. While the remote searches for a light, its center button flashes red. When the Transmit Remote finds another available light.

NOTE: The Transmit Remote will find a light and the Remote to which you would like to pair the light. The selected button will glow, from red to green, and the found light will flash. When the Transmit Remote finds the light, the center button on the remote will change from red to green, and the found light will flash.

5. While the light is still flashing, quick-press the button on the Transmit Remote to which you would like to pair the light. The selected button will glow, from red to green, and the found light will flash.

6. Repeat Step 4 and Step 5 for each additional light to be paired.

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.
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 light individually.
4. Turn off and select the desired mode, then press and hold the power button 8 seconds to select it. The light will turn off and the main LED will flash once. Release the button after the second flash.

Auto brightness
This light is shipped with an ambient light sensor disabled. When the ambient light sensor is enabled, the light automatically changes modes with ambient light conditions. To change from Day Flash to All Day Flash to Night Flash.

Wireless Communication
This light is shipped with ANT+ and Bluetooth wireless connectivity enabled. To disable, with the light off, press and hold the power button for 15 seconds. The main LED will flash once at 8 seconds, and again at 15 seconds. Release the button after the second flash.

Renew the quick connect clip from the rubber strap and screw it to a rack with a M5 bolt and washer, sold separately.

Low battery feature
When the battery charge drops below 5%, the light automatically adjusts the output brightness to begin flash. This extends the light output for an additional 30 minutes.