



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 Transmitt remote, or another ANT+ compatible device.
Please read the additional Warning, page 2, before using this light.
IMPORTANT: Check your local lighting laws. Flashing lights and full brightness may not be allowed in all locations. These lights do not conform to the German road traffic regulation StVZO.
Specifications
Battery charging and operating temperature: 32°F (0°C) to 104°F (40°C)
- Reduced performance when operating below freezing.
• Ion Pro RT: 4900mAh, 3.63V, 17.78 Wh, 21700 lithium Ion battery
Weight: 187g (6.6oz), ingress rating: IPX4
• Ion 200RT and Flare RT: 420mAh, 3.7 Vdc, 1.6 Wh lithium polymer battery
Weight: 33g (1.2oz), ingress rating: IPX7
For more information
If you need help not offered by this manual, talk to your Trek retailer or visit trekbikes.com.

WARNING
The front light is very bright. Do not stare at an operating front light. Staring may be harmful to the eyes.

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

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 specks of lithium or lithium dust.

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. To turn off, press and hold the power button. To change mode, quick-press 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

Model	Power Button/Status LED	Mode	Max Output (lumens)	Runtime (hours) ²	Power Button/Status LED Color	Battery Life, %
Ion Pro RT		High	1300	1.5	Green Steady	25 to 100%
		Medium	800	3		
		Low	400	6	Red Steady	5 to 25%
		Night Flash	200	26		
		Day Flash	300	22		
Ion 200 RT		High	200	1.5	Green Steady	25 to 100%
		Medium	100	3		
		Low	5	14.5	Red Steady	5 to 25%
		Night Flash	5	30		
		Day Flash ¹	100	12		
Flare RT		Day Flash ¹	90	6	Green Steady	25 to 100%
		All Day Flash ¹	45	12		
		Night Flash	5	15	Red Steady	5 to 25%
		Day Steady ¹	25	4.5		
		Night Steady	5	13.5		

¹Supports auto brightness. ²Not 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

IMPORTANT: For best results, charge at room temperature in a dry place. Use a quality CE or UL approved USB charger rated for 500 mA or greater. Avoid extreme conditions including wet, cold, or extremely hot.

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

Model	Power Button/Status LED Color	Charge, %	Charge Duration (hours)
Ion Pro RT	Red Flash ¹	<25%	7 ³
	Yellow Flash ¹	25% - 75%	
	Green Flash ¹	75% - 99%	15
	Green Steady ²	100%	
Ion 200 RT	Red Flash	0% - 75%	2
	Green Flash	75% - 99%	
	Green Steady ²	99% - 100%	
Flare RT	Red Flash	0% - 75%	2
	Green Flash	75% - 99%	
	Green Steady ²	99% - 100%	

¹Flashes fast (2 Hz) with 4 wire USB cable and a 500mA charger, or slow (1 Hz) with 2 wire USB cable

²When fully charged, status led remains steady for 1 minute then turns off

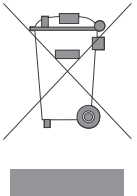
³Requires a 4 wire USB cable, supplied, and a 500mA charger

List of parts

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

	Ion Pro RT	Ion 200 RT	Flare RT
Light			
Mount	 25.4 - 35.0mm Adjustable Bar Mount with shim PN W552375	 Quick Connect 0" Mounting Bracket PN W527649 *Fits 22.2mm to 35mm bars. Front of bike	 Quick Connect 16" Bracket for tail light PN W533846 Mounts to the seatpost or a rack.
Charging Cable	 Fast Charge Micro USB Cable PN W559136, (4-wire)	 Charger Cable PN W327765, (2-wire)	 Charger Cable PN W327765, (2-wire)
Accessories (purchase separately)	Head Lights		Tail Lights
	Helmets (Blendr mount system) *Circuit Model 34591 Blaze Model 25359 	22.2-31.8mm Adjustable Bar Mount PN W530421 	Rack attachment Use an 8mm M5 bolt and washer, PN 537061 with Quick Connect 16" bracket supplied, or with complete rack mount kit, PN 552376
	Bontrager Helmet Bracket PN 428462 	22.2-35.0mm Adjustable Sync Bracket Model 418921 	Seat Pack Clips Metal, PN 424905 Plastic, PN W528503
			 Speed Concept Attachment Take off the reflector mounting bracket, PN W327560 and replace the end with the Flare Round Mounting Kit interface, PN 418932

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
When traveling by air, verify with your carrier how lithium ion batteries of this capacity must be treated. Often these lights need to be packed in carry-on luggage.
Recycling
Please recycle the battery. In the US, you can find out where to do this at www.call2recycle.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.



Ion Pro RT information, installation, and special features

Installation

1. Loosen knob and open.

2. Adjust for bar size (31.8mm or 35mm).

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

5. Press down.

6. 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 light output 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 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.

