

ViewPoint™ EVO

helmet headlight system



Congratulations on your purchase of a ViewPoint™ light system! Please read the following instructions and safety tips carefully. We hope they will increase your enjoyment and maximize the life and performance of your light system, battery and charger.

**Performance Tech Support 1(800)727-2453
9am-6pm EST Monday-Friday**

I. Battery Charging & Maintenance

A. General Tips and Precautions

1. Your ViewPoint™ system includes Nickel Metal Hydride (Ni-MH) battery technology and an automatic charger to help ensure maximum battery life.
2. We have taken extensive measures to ensure you do not accidentally short circuit your battery; however, you must NOT attempt to connect the positive terminal to the negative terminal either directly or indirectly.
3. DO NOT attempt to alter any of the electrical components; doing so may result in damage to the light system and possible injury.
4. Never carry your Ni-MH battery pack by the power cord as this may damage the cord or battery.

B. Battery Charging

1. The batteries included with your ViewPoint™ light system are shipped from the factory pre-charged. However, as they may have spent some time in transit and storage before reaching you, they will require a top-off charge before the first use.
2. The automatic charger operates on a timer system, with a failsafe circuit to protect against overcharging.
3. Before charging, make sure the battery and charger are in a dry, well-ventilated area. The temperature should be between 5° and 40° C (40° to 104° F).
4. Remove the battery pack from the protective neoprene pouch.
5. Plug the ViewPoint™ Ni-MH automatic charger into a standard house wall receptacle (120VAC). The LED on the charger cord will illuminate green.
6. Connect the battery to the charger; the LED will remain green. Push the button marked "PUSH TO START CHARGE." The LED will switch to red, indicating the battery is charging. See below for your system's charge time.

Charging Times:

Evo Single 10.5 hour charge cycle
Evo Helmet 10.5 hour charge cycle
Evo Dual 11 hour charge cycle



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- The LED indicator displays the battery's state of charge. The LED indicator will illuminate green when the battery is fully charged and ready to use.
Red = Charging Green = Charged
- Your battery will not be harmed if left on the charger indefinitely. However, as with all electrical products you should unplug the charger when not in use.
- Once a charge cycle is in progress (LED is red) pressing the "PUSH TO CHARGE" button will have no effect.

Note: Ni-MH batteries do not have to be fully discharged before they can be recharged. Do not over-charge the battery, as this may shorten battery life. When light output dims or becomes yellow, turn off the system and recharge the battery. When maintained properly, a Ni-MH battery will provide hundreds of cycles before replacement is required.

C. Battery Storage

- Once a Ni-MH battery is fully charged and removed from the charger, it can be stored for several months. Over time, however, it will self-discharge. For maximum power your Ni-MH battery will require a top-off charge after a week or more of storage.
- The battery will not be harmed if stored in a discharged state, but to ensure the best performance and maximum life from your battery, it should be charged every four months during extended periods of non-use.
- After long periods of non-use (two months or more) the battery will require between 2 and 10 cycles to regain peak performance. One cycle = full charge to full discharge (just dim or yellow output) to full charge.
- Store your battery in a cool, dry location. During the riding season if you prefer you can leave the battery connected to the charger. As with all electrical products, however, the charger should be unplugged when not in use.

D. Battery Disposal

Do not incinerate, tamper with or cut open the battery pack. Do not discard in the trash or send it to a landfill. Contact your local waste removal authority for instructions on how and where to recycle your battery.

II. Installation

A. Handlebar Bracket and Light Housing Installation

Mount the ViewPoint™ EVO Helmet light to your helmet as shown in Figure 1. The helmet bracket is secured to your helmet with a hook and loop strap that feeds through the helmet's ventilation holes.

CAUTION

- To avoid possible injury, keep battery and charger out of reach of children.
- Do Not operate charger outdoors or in a wet or damp environment.
- Do Not place the battery pack in a sealed container when charging or discharging.
- When charging, remove the battery pack from the protective neoprene pouch.**
- The battery should be charged at a temperature between 5° to 40° C or 40° to 104° F.
- Store your Ni-MH battery at a temperature between 5° to 40° C or 40° to 104° F.
- Do Not use the ViewPoint™ EVO Helmet Charger to charge the ViewPoint™ EVO Dual or the ViewPoint™ EVO Single battery.**
- Do Not operate the charger with a damaged cord or plug; replace the charger immediately.
- Do Not operate the charger if it has received a sharp blow, been dropped, or otherwise damaged in any way.
- To reduce risk of electric shock or injury, unplug the charger from the outlet before cleaning or inspecting.
- Before connecting the charger to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as recommended for the charger – i.e. 120 Volts. A power source with voltage greater than specified can result in serious injury to the user and damage to the charger. If in doubt, DO NOT plug in the charger.
- Do Not abuse the cord. Never carry the charger by the cord or pull the cord to disconnect the charger from the receptacle.
- Do Not use any other charger with your ViewPoint™ Ni-MH battery pack. Use ONLY the ViewPoint™ Ni-MH charger supplied with this light system.
- It is important to use only genuine ViewPoint™ parts and components when charging the battery or using the light. All parts and components have been specifically designed, approved and manufactured to integrate correctly for your safety and for optimal light performance.

- Center the bracket (A) on the helmet, approximately a third of the way between the front and back of the helmet.
- Feed the hook and loop strap (B) down through a vent hole next to the bracket, and then up through a vent hole on the other side of the bracket. Loop the strap through the "D" ring, feed it back through the vent hole and pull snugly to secure the bracket. Once the strap is tight and the bracket is secure, fasten the hook and loop strap.
- Secure the power switch (C) and wire harness (E) to the helmet using the hook and loop straps (D, F) as shown in Figure 1.
- Attach the light housing (G) to the helmet bracket. Align the bracket on the underside of the light housing with the helmet bracket, and slide the light onto the bracket from back to front. You should hear an audible 'CLICK' indicating that the light is securely attached to the bracket.
- Adjust headlamp angle as desired by grasping the light housing (MAKE SURE THE IT IS NOT HOT TO THE TOUCH) and rotating up or down and side to side.
- To remove the light from the helmet bracket, push the release tab (H) at the rear of the light housing upward, and slide the light rearward until it is free from the helmet bracket.
- Insert the 90° plug from the wire harness into the power jack at the rear of the light housing. Connect the remaining cord from the wire harness to the battery cord.

III. Using your Light

CAUTION

Avoid burns. Do not touch headlamp housing or bulb during or immediately after use. Maintain air flow over light during use.

- To operate: Press the power switch (C) to turn on the light.
- Press and hold the power switch for 1.5 seconds to turn off the light.
- To fine tune light direction the headlamp can be rotated up or down and left or right as desired. Simply grasp the light housing (MAKE SURE IT IS NOT HOT TO THE TOUCH) and rotate to the desired position. Adjust the rotation tension using the Philips screw on the underside of the light housing bracket.
- Do Not use solvents or harsh cleaners to clean your ViewPoint™ light system. Use only a damp cloth to clean the unit. Before cleaning, unplug all wires from the battery pack, light housing and wall receptacle (or power source).

IV. Bulb Maintenance and Replacement

A. Halogen Bulbs

- Halogen bulbs become very hot when illuminated. Never touch the bulb when it is illuminated!
- If you need to replace the bulb for any reason, allow at least fifteen (15) minutes for the bulb to cool before touching it. Do not allow children to touch the bulb or bulb housing.
- Operating the light for an extended period without adequate airflow will cause the bulb to overheat, which will shorten bulb life.

Standard bulbs supplied with ViewPoint™ systems:

Evo Single	6 Volt 10 Watts = approx. 2 hour run time
Evo Helmet	6 Volt 10 Watts = approx. 2 hour run time
Evo Dual	6 Volt 10 Watts = approx. 4 hour run time
	6 Volt 20 Watts = approx. 2 hour run time
	Combined 30 Watts = approx. 1 hour run time

CAUTION

If the glass bulb lens is cracked or broken do not operate the light. Replace bulb before operating.

B. Bulb Replacement

- Disconnect the light housing from the battery pack.
- Unthread the retaining cap (I) and remove it from the front of the light housing (be careful not to lose the O-ring seal (J) inside the retaining cap). See Figure 2.
- Remove the old bulb (K) from the ceramic socket (L). It may be necessary to use a small screwdriver to gently pry the bulb loose.
- Install the new bulb by inserting the bulb lead wires into the small holes in the socket, and gently pressing into place.
- Reinstall the retaining cap (make sure the O-ring seal is in place). Do not connect the light housing to the battery pack until the retaining cap is reattached.

