

# AXIS RECHARGEABLE LED HEADLAMP



Operating and Maintenance  
 Instructions  
 Notice d'utilisation et d'entretien  
 Bedienungsanleitung

## ENGLISH:

### Battery Charging – See Figure 2

Supplied with headlamp: Self-contained lithium rechargeable battery, micro-USB charging cable.

Princeton Tec suggests using a charger with output of 5V, 1A. This charger will fully charge the battery pack in 3 to 4 hours. Slower charging will be achieved with a charger rated for lower amperage. Some computer USB ports may not have sufficient output to charge this or any USB rechargeable product. Under normal usage, the supplied lithium ion battery pack will last for approximately 1,000 charge / discharge cycles.

Red battery charge level LEDs indicate battery state. Red LEDs flash when charging is in progress. Charging has completed when both LEDs are illuminated. Charge state will be indicated upon lockout, via 1, 2, 3 or 4 LED flashes, corresponding to approximately 25%, 50%, 75% and 100%.

Princeton Tec cares about the environment and recommends recycling batteries. For more information about battery recycling, please go to [www.batteryrecycling.com](http://www.batteryrecycling.com).

### WARNING

Do not disassemble; no user serviceable parts.

### General Care and Warnings

- Properly charge the battery to maximize its lifespan. Lithium ion batteries do not suffer from a “memory effect,” and for battery longevity it is preferable to charge more frequently if possible, rather than to fully deplete the battery’s charge.
- To avoid damaging your lighting system, use only chargers that meet the approved specifications.
- Axis Rechargeable is not submersible. Submerging in water will damage the lighting system and void the warranty.
- To keep your lighting system looking new, use a mild soap and water solution with a rag or sponge to periodically wipe off dirt.

### Switch Operation – See Figure 1

A single press turns on Red Ultrabright mode at 50% output. Double tap turns on White Spot Maxbright mode at 60% output. Press and hold turns on White Flood Maxbright mode at 25% output. In any mode, the dial is used for dimming. Beginning in Red mode, any dial turn will alter the red output. Beginning in White Flood mode and increasing output, it is possible to continue turning dial to activate Spot mode in addition to Flood mode; this will achieve maximum output in what is called Dual Beam mode. Beginning in Spot mode, dimming action will be restricted to spot mode only.

A single press occurring more than two seconds after the previous button press will turn the light off.

Axis is equipped with a battery lockout to prevent accidental activation. See Figure 1.

### Troubleshooting

If the Axis fails to light:

- Check the charge state of battery by either 1. Locking out the light by holding down the power button, or 2. Plugging light into power source and observing battery charge level LEDs.

Figure 1 - Switch Operation

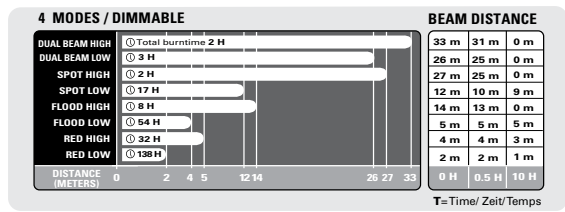
Modes de fonctionnement

Schalterbetätigung

<b>RED</b>	<b>Press 1x: Red 50%</b> Appuyer 1x: Rouge à 50 % 1 x drücken: Rotes Licht bei 50%		<b>Press 1x from On: Off</b> Appuyer 1x lampe allumée : Extinction In eingeschalt. Zust. 1 x drücken: Aus
	<b>Press 2x: White Spot 60%</b> Appuyer 2x: Spot blanc à 60 % 2 x drücken: Weißes Spotlicht bei 60 %		<b>Press 5 seconds: Lock-Out</b> Appuyer 5 secondes lampe éteinte: Verrouillage In ausgeschalt. Zust. 5 Sekunden drücken: Sperre aktivieren
	<b>Press &amp; Hold: White Flood 25%</b> Maintenir appuyé: Projecteur blanc à 25% Drücken und halten: Weißer Breitstrahler bei 25%		<b>Press 5 seconds from Lock: Unlock</b> Appuyer 5 secondes lampe verrouillée: Déverrouillage In gesperrtem Zust. 5 Sekunden drücken: Sperre deaktivieren

**Red & Spot Mode: Turn dial to brighten or dim**  
**Modes Rouge et Spot blanc: Tourner la molette pour augmenter/diminuer l'intensité**  
**Rotlicht u. Spotlicht: Einstellring zum Anheben/Absetzen der Helligkeit drehen**

**Flood Mode: Brightens into dual beam mode**  
**Mode Projecteur: Hausse d'intensité jusqu'au mode Double faisceau**  
**Breitstrahler: Helligkeit steigt bis in den Doppelstrahl-Modus**



- Princeton Tec calculates total burn time as the time it takes for the light source to produce a minimum of 0.25 lux at 2 meters. 0.25 lux is about the equivalent of a full moon on a clear night.
- Princeton Tec berechnet die Gesamtbrenndauer bezogen auf eine von der Stirnlampe erzeugte minimale Beleuchtungsstärke von 0,25 Lux in 2 Meter Abstand. 0,25 Lux entsprechen in etwa der Beleuchtungsstärke des Vollmonds in einer klaren Nacht.
- Princeton Tec définit la durée totale d'éclairage comme le temps nécessaire à la source lumineuse pour produire un minimum de 0,25 ux à 2 mètres. 0,25 lux équivaut à peu près à l'aluminosité d'une pleine lune dans un ciel nocturne dégagé.

Figure 2 – Battery Charging | Voir le schéma 2 – Charge de la batterie | Siehe Abbildung 2 - Laden der Batterie



- Check the light for water contamination on the circuit board. The light will resume normal operation once the water is shaken or blown out and the light is left until completely dry. If the light has been contaminated with salt water, flush the unit with fresh water and dry as described above.

Princeton Tec reserves the right to change product specifications without notice.

FOR CALIFORNIA RESIDENTS:  
 WARNING: This product contains Bisphenol A (BpA) a chemical known to the State of California to cause birth defects or other reproductive harm.

### USA- International 5-Year Warranty

**WARRANTY** – Princeton Tec warrants this product to be free from defects in workmanship and materials under normal use for 5 years. This warranty covers all of the component parts of the product except batteries. This warranty does not cover deterioration due to normal wear or damage due to misuse, alteration, negligence, accidents, or unauthorized repair. Princeton Tec will repair or replace parts which are defective in workmanship or materials.

Your authorized Princeton Tec Dealer and Princeton Tec are the only facilities authorized to repair the product. After (3) unsuccessful attempts (within the warranty period) to repair the product, you have the right to elect replacement of the product or a refund of the purchase price less allowance for use of the product. **NO INCIDENTAL OR CONSEQUENTIAL DAMAGES ARE INCLUDED IN THIS WARRANTY.** (Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.) This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### Return Policy

- If your light fails to operate, follow these simple steps:
- 1) Check batteries. Replace if necessary.
  - 2) To send your light in for repair or replacement, first contact Princeton Tec customer service on **1-800-257-9080** to request an RMA number. Please have your light model, date of purchase and a brief description of the fault you are experiencing. No warranty repairs will be accepted without an RMA number.
  - 3) Return the light without batteries to: **Princeton Tec, PO Box 8057 Trenton NJ 08650.** Postage due and freight collect items will not be accepted.
  - 4) Upon receipt your light will be processed in about two weeks. Please allow additional time for return transportation from NJ.

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