PETZL Swift RL

PETZL Swift RL Headlamp User Manual

Model: Swift RL (E810AB00)

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your PETZL Swift RL headlamp. The Swift RL is a compact, powerful, and lightweight rechargeable headlamp featuring REACTIVE LIGHTING® technology, designed for various outdoor activities and professional use. It delivers up to 1100 lumens of brightness and weighs only 110 grams.

SETUP

1. Charging the Battery

The PETZL Swift RL headlamp is equipped with a 2350 mAh Lithium-Ion rechargeable battery. Before first use, fully charge the battery.

- Locate the USB-C charging port on the headlamp.
- Connect the provided USB-C cable to the headlamp and a USB power source (e.g., computer, wall adapter).
- The battery indicator lights will show the charging status. A full charge typically takes 5 hours.
- Disconnect the cable once charging is complete.

Image: The PETZL Swift RL headlamp with a USB-C cable inserted into its charging port, indicating the charging process.

2. Adjusting the Headband

The elastic headband is adjustable to ensure a comfortable and secure fit on your head or helmet.

- Place the headlamp on your head.
- Use the adjustment buckles on the side of the headband to tighten or loosen it until it feels secure without being too tight.

Image: The PETZL Swift RL headlamp, black and yellow, with its adjustable headband, ready for use.

OPERATING INSTRUCTIONS

1. Power On/Off and Mode Selection

The headlamp features a single button for all primary controls.

- **Power On:** Press the button once. The lamp will turn on in the last used lighting mode.
- **Change Lighting Mode:** With the lamp on, press the button repeatedly to cycle through the available lighting modes (REACTIVE LIGHTING®, Standard Lighting, Red Light).
- **Power Off:** Press and hold the button for approximately 2 seconds.

Image: A close-up of the PETZL Swift RL headlamp's side, highlighting the multi-function button and the green battery level indicator lights.

2. REACTIVE LIGHTING® Technology

REACTIVE LIGHTING® mode automatically adjusts brightness and beam pattern based on ambient light, optimizing battery usage and visual comfort.

- When in REACTIVE LIGHTING® mode, a sensor on the front of the headlamp continuously analyzes the surrounding light.
- The headlamp will automatically increase brightness for distance vision and decrease it for close-range work, extending burn time.

Image: Front view of the PETZL Swift RL headlamp, displaying its two primary light sources and the central Reactive Lighting sensor.

3. Standard Lighting Mode

Standard Lighting mode provides constant brightness levels, which can be manually selected.

- Cycle through brightness levels by pressing the button while in Standard Lighting mode.

4. Red Light Mode

Red light preserves night vision and is useful for discreet illumination.

- Access red light mode by cycling through the main lighting modes.
- A red strobe function is also available for signaling.

5. Lock Function

To prevent accidental activation during transport or storage, the headlamp can be locked.

- **Lock:** With the lamp off, press and hold the button until the red indicator flashes, then release.
- **Unlock:** Press and hold the button until the red indicator flashes again, then release.

MAINTENANCE

1. Cleaning

- Clean the headlamp with a soft, damp cloth. Do not use harsh chemicals or abrasive materials.
- Ensure the charging port cover is securely closed to maintain water resistance.

2. Battery Care

- For optimal battery life, avoid completely draining the battery frequently.
- If storing the headlamp for an extended period, charge the battery to approximately 50% and recharge every 6 months.
- The battery is designed for approximately 300 charging cycles before significant capacity reduction.

3. Water and Impact Resistance

The Swift RL is rated IP54 for water resistance, meaning it is protected against dust and splashing water from any direction. It is also impact resistant (IK05) and fall resistant up to 1 meter (ANSI/PLATO FL 1).

- Do not submerge the headlamp in water.
- While durable, avoid unnecessary drops or impacts to prolong the product's lifespan.

TROUBLESHOOTING

- **Headlamp not turning on:**

  - Ensure the battery is charged.
  - Check if the headlamp is in lock mode. Unlock it by pressing and holding the button.

- **Low brightness or short burn time:**

  - Fully charge the battery.
  - Ensure the lens and sensor are clean.
  - In REACTIVE LIGHTING® mode, ambient light conditions can affect perceived brightness.
  - Battery capacity may decrease over time with extensive use (after approximately 300 cycles).

- **Battery not charging:**

- Verify the USB-C cable is properly connected to both the headlamp and the power source.
- Try a different USB-C cable or power source.
- Ensure the charging port is clean and free of debris.

If issues persist, contact PETZL customer support.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	E810AB00
Brightness	Up to 1100 Lumens
Weight	110 g (0.18 Kilograms / 6.3 ounces)
Battery Type	2350 mAh Lithium-Ion rechargeable battery (included)
Charging Time	5 hours (via USB-C)
Water Resistance	IP54 (Water Resistant)
Impact Resistance	IK05
Fall Resistance	1 meter (ANSI/PLATO FL 1)
Beam Pattern	Mixed (wide and focused)
Material	Aluminum, Plastic
Voltage	3.7 Volts
Light Source Type	LED

Lighting Performance (ANSI/PLATO FL 1 Protocol)

Lighting Performance

Lighting Technology	Lighting Color	Lighting Levels	Brightness	Distance	Burn Time	Reserve Lighting
		Lighting performance as defined by the ANSI/PLATO FL 1 protocol				
REACTIVE LIGHTING®	White	Close-Range Work	18 to 100 lm	35 m	10 to 70 h	10 lm for 2 h
		Proximity	25 to 275 lm	75 m	7 to 45 h	
		Movement	30 to 1100 lm	155 m	2 to 35 h	
		Distance Vision	25 to 600 lm	150 lm	4 to 50 h	
STANDARD LIGHTING		Close-Range Work	10 lm	12 m	100 h	
		Proximity	160 lm	50 m	7 h	
		Movement	700 lm	115 m	2 h	
		Distance Vision	280 lm	95 m	4 h	
	Red	Continuous	4 lm	6 m	50 h	-
		Strobe	Visible at 150 m for 300 h			

Image: A table illustrating the lighting performance of the PETZL Swift RL headlamp, including brightness, distance, and burn time for various Reactive Lighting and Standard Lighting modes, as well as red light options.

WARRANTY INFORMATION

The PETZL Swift RL headlamp comes with a manufacturer's warranty:

- **Lamp:** 5 years against defects in materials and workmanship.

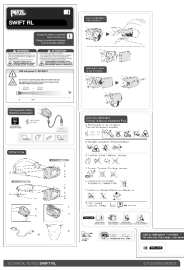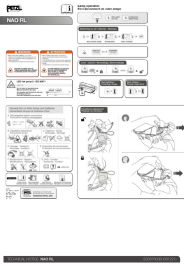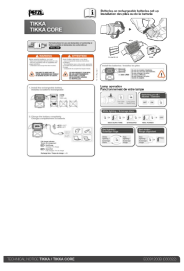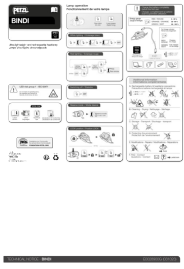- **Rechargeable Battery:** 2 years or 300 charging cycles, whichever comes first.

Please retain your proof of purchase for warranty claims. The warranty does not cover normal wear and tear, modifications, improper storage, damage due to accidents, negligence, or use for which the product is not intended.
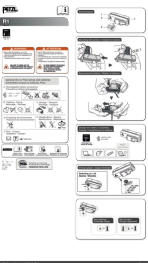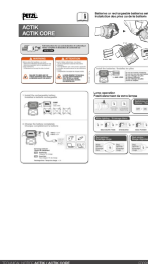
SUPPORT

For further assistance, product information, or to contact customer service, please visit the official PETZL website or the PETZL store page on Amazon.
PETZL Store on Amazon: Visit the PETZL Store

Related Documents - Swift RL

	Petzl Swift RL Headlamp User Manual This document provides comprehensive instructions for the Petzl Swift RL headlamp, covering its features, operation, maintenance, and safety precautions. It details how to use the REACTIVE LIGHTING® technology, battery charging, and accessory compatibility.
	Petzl NAO RL Headlamp - Technical Notice and User Guide Comprehensive technical notice and user guide for the Petzl NAO RL headlamp, covering operation, features, safety warnings, charging instructions, performance specifications, and maintenance.
	Petzl Tikka Core Headlamp User Manual and Technical Information Comprehensive guide for the Petzl Tikka Core headlamp, covering setup, operation, safety precautions, battery care, and warranty information. Includes multilingual instructions.
	Petzl BINDI Headlamp Technical Notice and User Guide Comprehensive technical notice and user guide for the Petzl BINDI ultra-lightweight and rechargeable headlamp, covering operation, charging, safety precautions, and warranty information.

[Petzl R1 Rechargeable Battery: Technical Specifications, Usage, and Safety](#)
Comprehensive guide to the Petzl R1 rechargeable Li-Ion battery for NAO RL headlamps. Includes nomenclature, charging instructions, safety precautions, warranty information, and environmental disposal guidelines.

[Petzl ACTIK CORE Headlamp User Manual and Technical Notice](#)
Comprehensive user manual and technical notice for the Petzl ACTIK CORE headlamp, covering operation, battery charging, safety precautions, maintenance, and warranty information.