



FULL VERSION MANUAL

SEEK 320 / SEEK 420



PRODUCT OVERVIEW

The packaging contains the following parts:

- Lamp unit
- Headband
- Quick Guide
- No batteries included

BEFORE USE

HYBRID TECHNOLOGY

The battery compartment is compatible with both 3xAAA batteries and the Silva rechargeable Hybrid battery. Batteries are not included with the product, so choose the type that best suits your needs.

HYBRID BATTERY CHARGING

1. A USB-C connector is located on the front of the Hybrid battery pack. Attach a USB-C charging cable to this USB-C connector.
2. Connect the other end of the charging cable to a USB-port (either from a computer, car or a USB charger/adaptor connected to a wall outlet).
3. Next to the USB-C connector is a charge indication LED, showing the charging status:
 - Red light = battery is charging
 - Green light = battery is fully charged

Note! When battery is fully charged the battery automatically switches to maintenance charge. However, never leave a battery unattended while charging.

INSERT THE BATTERIES (HYBRID OR AAA)

Tilt the lamp forward. Open the battery lid/back panel of the lamp body and insert the batteries. Please note the battery polarity, printed on the inside of the battery compartment.

Note! Either Alkaline, NiMH or Lithium batteries can be used.
Note! Do not mix different brands of batteries. Do not mix batteries with different levels of discharge.

Note! If you don't intend to use the headlamp for several months, make sure you remove the batteries from the lamp.



ADJUST THE HEADBAND

The elastic headband with anti-slip rubber on the inside is designed to give a comfortable fit at all times. Adjust the headband by moving the sliding buckles to fit it onto your head.

BUTTON LOCK (SEEK 420)

On the top of the lamp unit there is a push button which controls all light modes. This button can be locked to prevent the lamp from being lit by accident.

To activate the button lock: make sure the lamp is turned OFF, press the button with an extra long press (3 sec). A small red LED inside the lens will start flashing (not to be confused with the main red LED/red light mode that will also light up briefly). When the small red LED stops flashing and lights constantly and the main red LED turns off – the button is locked.

If you try to start lamp with button lock activated the small LED will flash red to indicate that the lamp is locked.

To deactivate the button lock: press the button with an extra long press (3 sec). The small red LED will start flashing. After 3 seconds, when the button lock is deactivated, the small LED will turn steady green. Now you can start the lamp as normal.

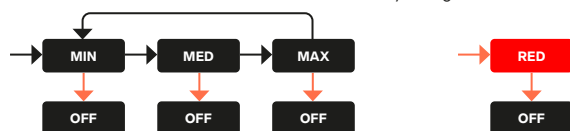
DURING USE

SWITCH ON YOUR HEADLAMP

The push button on the top of the lamp controls all light modes.

→ SHORT PRESS

→ LONG PRESS



In addition to white light, Seek 420 offers a red light mode that preserves your night vision.

SILVA INTELLIGENT LIGHT

Seek features Silva Intelligent Light which combines a long reach spot light with a close flood light. The lamp head is tiltable to give you the right light, exactly where you need it.

BATTERY STATUS INDICATION

When the headlamp is turned off, a small LED inside the lens is turned on to indicate the battery status. This indication will be on for 3 seconds.

- Green light – Battery in good condition
- Red – Charge/replace battery



SEEK 320

Stormy Sky: 38528
Mountain Mist: 38548
Midnight: 38547
Whiteout: 38546



SEEK 420

Stormy Sky: 38550
Mountain Mist: 38551
Midnight: 38529
Whiteout: 38549



AFTER USE

MAINTENANCE

To make sure you get maximum performance from your headlamp, clean it regularly with a damp cloth. Headband cleaning: rinse in warm water. Open battery compartment and wipe dry if lamp has been exposed to heavy rain or accidentally submerged.

TECHNICAL SPECIFICATIONS

Lumen / Burn time / Light distance:	See matrix below
Weight (lamp unit):	58 g (2 oz)
Weight (hybrid battery):	25 g (0.9 oz)
Weight (3 x AAA batteries):	33 g (1.2 oz)
Battery type:	Silva Hybrid Battery 3.8V / 1.25Ah / 4.75Wh or AAA
Charging time:	2.5 h
Water resistance:	IPX5
Operative temperature range:	-30 - (+)50°C
Storage temperature range:	-40 - (+)60°C

SEEK 320 PERFORMANCE:

BRIGHTNESS LEVEL	TRUE LUMEN ANSI*	OPTIMAL FOR	BEAM PATTERN	BURN TIME ANSI** HYBRID/AAA	LIGHT DISTANCE ANSI
MAX	320 lm	medium range use	wide+spot	4 h / 4 h	82 m / 269 ft
MED	100 lm	close range use	wide+spot	10 h / 11 h	50 m / 164 ft
MIN	10 lm	ambience/reading	wide+spot	90 h / 110 h	15 m / 49 ft

Values are measured and specified according to the ANSI FL1 STANDARD
*Actual light output after 30 seconds.
**Burn time from power-on until lumen reaches <10%.

SEEK 420 PERFORMANCE:

BRIGHTNESS LEVEL	TRUE LUMEN ANSI*	OPTIMAL FOR	BEAM PATTERN	BURN TIME ANSI** HYBRID/AAA	LIGHT DISTANCE ANSI
MAX	420 lm	medium range use	wide+spot	3 h / 3 h	87 m / 285 ft
MED	200 lm	close range use	wide+spot	5 h / 6 h	67 m / 219 ft
MIN	10 lm	ambience/reading	wide+spot	90 h / 110 h	15 m / 49 ft

Values are measured and specified according to the ANSI FL1 STANDARD
*Actual light output after 30 seconds.
**Burn time from power-on until lumen reaches <10%.

PROTECTING THE ENVIRONMENT.

Lamp unit, batteries and packaging are recyclable. Please dispose these items at designated recycling stations.

WARRANTY

Silva warrants that your Silva headlamp for a period of five (5) years* will be free from defects in materials and workmanship under normal use. Rechargeable batteries are covered for 2 years or 300 charge cycles. Silva's liability under the warranty is limited to repairing or replacing the product. This limited warranty applies only to the original purchaser. If the product is found to be defective during the warranty period, please contact the original place of purchase. Make sure to have your proof of purchase handy when returning the product. Returns cannot be processed without the original proof of purchase.

This warranty does not apply if the product has been modified or if it has not been installed, used, repaired or maintained in accordance with instructions from Silva. The warranty also does not apply if the product has been subjected to abnormal physical or electrical use or in case of negligence, abuse or accident. The warranty also does not cover normal wear and tear. Silva is not responsible for any consequences (direct or indirect) or damages arising from the use of this product. Under no circumstances will Silva's liability exceed the amount you paid for the product. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

The warranty is only valid and may only be processed in the country of purchase. The consumer's rights pursuant to law of the country of purchase are not affected by this warranty.

* Headlamp: Five (5) years.

* Rechargeable battery: Two (2) years or 300 charge cycles.

For more information please visit www.silvaweden.com