



# FULL VERSION MANUAL EXCEED 2



EXCEED 2X: Art.no 37634  
EXCEED 2XT: Art.no 37635  
LIMITLESS EXCEED 2: Art.no 37636



EXCEED 2X



EXCEED 2XT / LIMITLESS EXCEED 2

## SILVA EXCEED 2 AND FLOW LIGHT

Thank you for choosing Silva Exceed 2 headlamp. This headlamp can, thanks to the modular design, also be used on a helmet or a bike handle bar.

Exceed 2 is equipped with **Flow Light** which is a light distribution technology that combines a wide-angle flood light with a long reach spot light. If you aim the light beam of the Exceed 2 close to your feet by rotating the light body downward, the light image will be a wide flood light adapted for slower activities. If you aim the light higher up, further away, the light image will gradually transform into a long-distance spot beam, perfect for higher speed.

This unique feature gives the user peripheral or long distance vision depending on the activity or speed. For a runner, cross country skier, mountain biker or night orienteer this translates into less head movement, increased control, better balance and more speed

## PRODUCT OVERVIEW

The Exceed 2 packaging contains the following parts:

- Headlamp unit
- Ergonomic head set.
- Rechargeable Li-ion battery (Exceed 2X & 2XT only)
- Extension cord
- Helmet attachment
- Bike handle bar attachment
- Quick guide
- Storing case
- USB charging cable (Exceed 2X & Exceed 2XT only)
- USB charger (Exceed 2XT only)

## BEFORE USE

### BATTERY CHARGING (EXCEED 2X & EXCEED 2XT)

The battery needs to be charged before first use.

1. Connect the battery to the charger or other USB port with the included cable.
2. Connect the charger to the wall outlet.
3. On the battery, there are 5 LEDs showing battery status during charging:
  - Green light (all 5 LEDs) = battery is fully charged
  - Red light blinking = battery is charging

**Note!** When the battery is fully charged the charger automatically switches to maintenance mode.

Exceed 2 is compatible with all Silva batteries with the same connector as on Exceed 2 battery. Note that the battery indication may not be accurate with other Silva batteries.

### SILVA EXCEED 2 – THE FLEXIBLE, MODULAR HEADLAMP

Exceed 2 is designed for Multi-activity Sports. Here is a description of the different options:

#### ERGONOMIC HEADSET

The head set is ergonomically shaped to give comfortable fit. Use the 2 buckle adjustments to fit it perfectly to your head. Removable top band included. Attach the headlamp in the head bracket by sliding the headlamp foot into the snap-in socket. To remove, slide the headlamp up and out of the bracket.

#### BIKE HANDLEBAR ATTACHMENT

The bike handle bar attachment is developed for use on bike handlebars with a dimension between 22 mm and 32 mm. The bike bracket is attached to the handle bar by wrapping the rubber strap around the handlebar and fasten it on the plastic hook. Attach the headlamp in the bike handle bar attachment by sliding the headlamp bracket into the snap-in socket. To remove, slide the headlamp up and out of the bracket.

#### HELMET ATTACHMENT

The helmet attachment comes with pre-mounted adhesive tape on the back for easy mounting on any helmet.

To mount the helmet attachment, remove the protective film covering the adhesive tape. Make sure the surface of the helmet is clean and dry. Press the bracket onto its correct position.

If you do not want to use the adhesive on your helmet the attachment is prepared for mounting with 2 or more straps on the sides. (Not included)

Attach the headlamp in the helmet attachment by sliding the headlamp bracket into the snap-in socket.

To remove, slide the headlamp up and out of the bracket.

#### FLEXIBLE BATTERY CARRYING

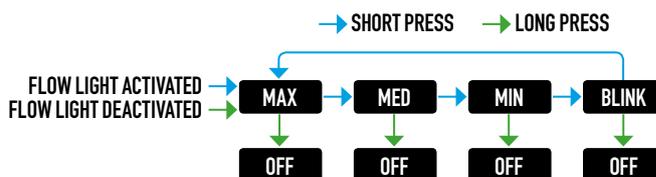
The Exceed 2 headlamp is designed so that the battery can be carried in multiple ways. For example, in a battery carrier on your back, on the bike frame, on your belt, backpack or on the back of your head unit etc.

## DURING USE

### SWITCH ON YOUR HEADLAMP

A push button is located on the left side of the headlamp body. This button controls all light modes.

- To start the headlamp with Flow Light activated press push button with a short press.
- To start the headlamp with Flow Light de-activated press and hold push button for 1 second
- To cycle between the different modes use short presses.
- To turn the headlamp off press and hold button for 1 second



### BOOST MODE

Exceed 2 has a Boost mode that temporarily increases the light output to 2000 lumens during 10 seconds.

To enter Boost mode, do as follows:

- Turn headlamp ON (with Flow light activated or de-activated)
- Keep push button pressed until headlamp turns OFF and keep pressing the push button until the headlamp turns back ON.
- Headlamp has now entered Boost mode
- The light will remain in Boost mode for 10 seconds and then return to the light mode from where you entered Boost mode (for example MED)

**Note!** During the 10 seconds the headlamp is in Boost mode it is not possible to use push button.

### TEMPERATURE CONTROL

Note that the headlamp body temperature will increase during use. The headlamp temperature is depending on light mode, ambient air temperature and the airflow (speed). Exceed 2 is equipped with a temperature control unit that prevents the headlamp body from overheating by reducing the power to the LEDs.

**Note!** Always make sure to disconnect the battery when the headlamp is stored in a closed compartment such as in a bag, pocket or similar.

### LOW BATTERY WARNING

During operation of the headlamp there will be a low battery warning when 25% of the battery time remains. This is done by flashing LEDs for 1 second 2 times with 5 second interval. When 15% remains the LEDs will flash 1 time.

### RESERVE MODE

During operation, the lamp will go into reserve mode when there is 15% power left of the battery. All LEDs will flash once before the lamp goes into this mode. Reserve mode can be overridden by pressing the button.

**Warning:** If you have pressed the button when headlamp is in reserve mode no more low battery warnings will appear before the headlamp turns OFF.

### BATTERY STATUS INDICATION (EXCEED 2X & EXCEED 2XT)

On the battery, there is a push button that activates battery indication LEDs. When pushing the button 5 LEDs on the battery shows battery status according the following...

- 5 green LEDs = Fully charged
- 4 green LEDs = 80% of the battery remains
- 3 green LEDs = 60% of the battery remains
- 2 green LEDs = 40% of the battery remains
- 1 red LED = 20% of the battery remains



Visit: [www.silva/emiroment](http://www.silva/emiroment)  
for more information about the  
Waste Electrical and Electronic  
Equipment (WEEE) Directive.



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## AFTER USE

### MAINTENANCE

To make sure you get maximum performance from your Exceed 2 headlamp, clean it regularly with a damp cloth. Head set cleaning – rinse in warm water.

### TECHNICAL SPECIFICATIONS: EXCEED 2XT

Weight headlamp including headset:	149g
Battery weight:	355g
Battery type:	Li-ion 7.4V, 9.9Ah
Light distance Max/Med/Min:	175/100/40
Lumen Boost/Max/Med/Min:	2000/1500/600/80
Burn time 20°C Max/Med/Min/Blink:	12h/18h/60h/100h
Burn time -5°C Max/Med/Min/Blink:	4h/9h/60h/100h
Reserve mode:	1h
Charging time:	10h
Water resistance:	IPX5
Operative temperature range:	-20 - +60°

### TECHNICAL SPECIFICATIONS: EXCEED 2X

Weight headlamp including headset:	149g
Battery weight:	157g
Battery type:	Li-ion 7.4V, 3.3Ah
Light distance Max/Med/Min:	175/100/40
Lumen Boost/Max/Med/Min:	2000/1500/600/80
Burn time 20°C Max/Med/Min/Blink:	4h/6h/20h/40h
Burn time -5°C Max/Med/Min/Blink:	1.5h/3h/20h/40h
Reserve mode:	1h
Charging time:	10h
Water resistance:	IPX5
Operative temperature range:	-20 - +60°

### TECHNICAL SPECIFICATIONS: LIMITLESS EXCEED 2

Weight headlamp including headset:	149g
Battery weight:	-
Battery type:	-
Light distance Max/Med/Min:	175/100/40
Lumen Boost/Max/Med/Min:	2000/1500/600/80
Burn time 20°C Max/Med/Min/Blink:	-
Burn time -5°C Max/Med/Min/Blink:	-
Reserve mode:	1h
Charging time:	-
Water resistance:	IPX5
Operative temperature range:	-20 - +60°

### ABOUT LI-ION BATTERIES

The battery should be stored in a dry environment within the temperature range of -20°C and +35°C.

If you would like to store your battery for a longer period (more than 30 days) the battery should not be fully charged. This may cause loss of its characteristics.

Li-ion batteries have a discharge rate of approx. 20% over a 30-day period. You can always charge a half full battery without damaging its characteristics.

Do not expose the battery for extreme temperatures which may cause fire or explosion.

Do not disassemble or mistreat the battery; risk for chemical burn.

Keep away from children.

Do not dispose of batteries in fire. This may cause an explosion.

Do not submerge the batteries in water.

Do not short circuit the contacts.

Replace only with Silva batteries with the same connector as on Exceed 2 battery.

### PROTECTING THE ENVIRONMENT.

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

### WARRANTY

Silva warrants that, for a period of two (2) years, your Silva Product will be substantially free of defects in materials and workmanship under normal use. Silva's liability under this warranty is limited to repairing or replacing the product. This limited warranty extends only to the original purchaser.

If the Product proves defective during the Warranty Period, please contact the original place of purchase. Make sure to have your proof of purchase on hand when returning the product.

Returns cannot be processed without the original proof of purchase. This warranty does not apply if the Product has been altered, not been installed, operated, repaired, or maintained in accordance with instructions supplied by Silva, or has been subjected to abnormal physical or electrical stress, misuse, negligence or accident. Neither does the warranty cover normal wear and tear. Silva is not responsible for any consequences, direct or indirect, or damage resultant from use of this product. In no event, will Silva's liability exceed the amount paid by you 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. This Warranty is valid and may be processed only in the country of purchase.

For more information please visit [www.silva.se](http://www.silva.se)



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for more information about the  
Waste Electrical and Electronic  
Equipment (WEEE) Directive.