

# INSTRUCTION MANUAL

## ELOFLEX S1

Read this documentation before using your Eloflex to make sure that you use it in a manner that is safe, and which does not harm you, your environment or your scooter.



# Thanks and good luck!

Thank you for choosing an Eloflex as your power scooter. It means a lot to us because our vision is to make people's everyday life a little easier and to give people with disabilities a greater freedom. We hope you experience both with the help of your Eloflex.

We believe that you will enjoy much of your new scooter. This manual contains important information on safety, use and care. We encourage you to read through this entire documentation before using your Eloflex for the first time. We also suggest that you train to run your Eloflex on a secluded, open and level surface before using it in other contexts.

Eloflex scooter is designed for users with many different needs. Decide whether Eloflex is suitable for the user is always taken by the ordinator or dealer together with the user himself. Eloflex accepts no responsibility for cases where the scooter is not adapted to the user's needs.

An Eloflex should primarily be used in its standard design. If the scooter has to be adapted or altered in any way, it must only be carried out by your assistant center or by Eloflex. Please note that damages and faults caused by non-compliance with the operating instructions or due to poor maintenance are not covered by the warranty.

*Good luck and great joy with your Eloflex.*

**Drive carefully**



Content	Page
Intended use	3
Folding	4
Adjust seat length and seat height	5
Lift armrests	6
Anti-tip device	6
Manual driving	6
Remote key	7
Lights	7
Charging instructions	7
Control panel	8
Change seat width	9
Transport and storage	9
Error codes	10
Safety while driving	11
General safety information	13
Technical information	15
Contact	16

# Intended use

## Type classification and intended use

Eloflex power scooters have been developed for people who have difficulty walking or cannot walk at all, but who have vision ability, physical ability and mental ability to control an scooter.

Eloflex Scooter is designed for outdoor use, but is compact and flexible enough for indoor use too. The chapter "Technical data" at the back of this document contains information on speed, turning radius, range, maximum lifting capacity and maximum weight for the user and so on. We encourage you to read all safety information in the chapter "Safety" in this document.

Eloflex is tested and approved according to EN12184: 2014 - class B (indoor and outdoor use). Eloflex is also approved according to ISO-7176, IEC60601 and the batteries are approved according to UN38.3.

Eloflex power scooters meet the applicable requirements of the MDR 2017/745.

Class 1 conformity assessment / CE marking has been issued in accordance with Annex VIII Chapter III of MDR 2017/745. Conformity assessment procedure: Annex II and Annex III of MDR 2017/745. The CE marking will be void if you use replacement components or accessories that have not been approved for this product.

## Needs

The purpose of an Eloflex scooter is to compensate for an injury or disability, which is why it is recommended in the following circumstances:

- If the user has the inability to walk or very limited ability to walk, which makes it difficult to move in his / her own home.
- If there is a need to leave the home to get out or to visit places that are normally visited in order to carry out everyday affairs.
- When the user has difficulty getting to, or performing work or activities because of his / her mobility disabilities. It is advisable to use Eloflex scooter both indoors and outdoors, if it is not possible to use hand-operated wheelchairs due to mobility problems, but it is still possible to properly handle a scooter.

## Accessories

Chargers and bag with simpler tools are available when delivered in the storage bag under the seat.

## Utility

Only use the Eloflex scooter when fully functional. Otherwise you put yourself and others at risk. The following list does not include all possible situations. It describes only certain situations that may affect the usability of the scooter.

- Do not use the scooter if the batteries are defective or deformed
- Do not use the scooter if the engine is jerky or makes abnormal noise
- Do not use the scooter if the brake function appears to be wrong
- If your tires are worn, contact your assistant center or dealer
- If you notice any damage to the seat belt, armrest, seat, backrest, handlebar or other part of the scooter, contact your assistant center or dealer.
- If you notice any damage to the electrical system (cables, batteries, chargers, etc.), please contact your assistant center or dealer.

## Warranty

You always have a two-year warranty on your Eloflex scooter. The warranty conditions are in line with the applicable national and general terms and conditions and rules and regulations. The detailed warranty conditions can be downloaded at [www.eloflex.eu](http://www.eloflex.eu). Note that you should save the original carton for your Eloflex during the warranty period (the carton can be folded together and set aside)

## Life span

The estimated lifetime of an Eloflex is 5 years. However, the life of the product is largely affected by how it is used and managed. An Eloflex can have a much longer life if you take care of it in a good way and only use it in line with the information in this document.

## Safety regulations and risks

PLEASE READ THE SAFETY INSTRUCTIONS FROM THE PAGE 11 BEFORE YOU USE YOUR ELOFLEX.



# Folding

## Fold up

### Step 1

Lay the folded scooter on the ground as shown on the right. Fold up the handlebar by lifting it up and forward. Then lock the handlebar with the help of the clamp that is in the hinge in the bottom of the handlebar. To secure the clamp, turn the black plastic fuse over the clamp.



### Step 2

Grasp the backrest and pull upwards to open the chair. Hold with one hand on the handlebars.



### Step 3

Close the locking hook on the back of the scooter - this is very important! Make sure the locking hook clicks in.



It is very important that you close the locking hook before using the scooter.

## Collapse

### Step 1

Open the locking hook as shown in the picture to the right.



### Step 2

Put one hand on the front edge of the handlebars. Grasp the top edge of the backrest with the other hand and fold it forward. Fold the scooter according to the pictures to the right.



### Step 3

Open the locking clamp on the bottom of the handlebar by turning off the safety hook and opening the hook. Then fold down the handlebars and place it on top of the folded seat.



# Adjust seat length and seat height

## Increase seat length

Make sure that the scooter is in the driving position and is switched on. Press and hold the up arrow to expand the scooter.



## Shorten seat length

Make sure that the scooter is in the driving position and is switched on. Press and hold the down arrow to reduce the distance between the seat and the handlebar.



## Adjust seat height

Remove the scooter's seat cushion. Pull the black wire under the front edge of the seat. At the same time as the wire is kept in the tensioned position, the rear edge of the seat can now be adjusted to the desired position (three different positions). When the seat is in the desired position, the front edge of the seat is placed at the same level as the rear edge. Release the cable to lock the seat in the hole that is at the same level as the rear edge.





# Lift armrests

To lift the armrests up and down, first loosen the lock by turning the locking lever half a turn. Then lift the armrests.



**It is important that you lock the armrests when you fold them down again by turning the lock lever back half a turn.**

# Anti-tip device

The anti-tip devices have two positions. One for driving position and one for when the scooter is set in a standing position during storage. You can easily change the position by manually adjusting the anti-tip devices.

**NOTE!** The anti-tip devices must always be in their driving position (as in the picture) when the scooter is used.



# Manual driving

Turn off the scooter. Then push the red levers on the motors (see picture) to disconnect the magnetic brakes. In this position, the scooter can be rolled manually.

**Note!** If the scooter has to be moved when turned off, the magnetic lock of must always be switched off.



**IMPORTANT!**  
**NEVER** kick on the red levers with your foot.  
**Only use your hands.**

# Remote key

Your Eloflex scooter is delivered with a remote control key. The remote control key can be used to lock/unlock your scooter. When the scooter is in the locked position, it is not possible to drive it.



# Lights

Your Eloflex scooter has front and rear lighting for increased safety. To turn on the lights, tap the light icon on the left side of the handlebar. There are also brake lights and turn signals. Use the turn signals with the two arrows on the left side of the handlebars. The brake light is activated when the scooter is stationary, when you release the throttle and when braking with the brake button.



# Charging instructions

## This is how you charge

Start by turning off your Eloflex. Connect the charger to the socket on front of the handlebar. Make sure that the contacts' position matches each other. Then plug the charger's power cable into a wall outlet. Charging is indicated by a lamp on the charger. Red lamp means that charging is in progress. After about three hours, the batteries are charged at 90 percent. The scooter can now be used again. After about 5-8 hours, the light on the charger becomes green and the batteries are fully charged. During charging, the charger itself becomes warm, and this is normal. For maximum battery life, charging should take place for about five hours when the bar on



the battery indicator has dropped to one third. The batteries will not be damaged by maintenance charges but for maximum battery lifespan we recommend that you disconnect the charger when the batteries are fully charged.



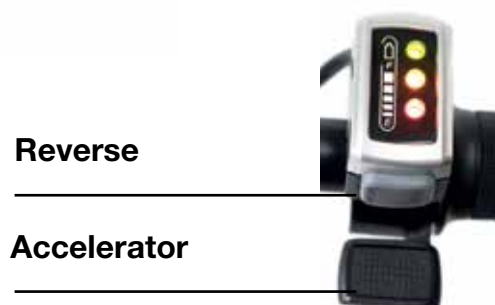
**IMPORTANT!**  
**NEVER connect the  
charger directly to  
the battery.**

Charging the batteries can be done down to -10 degrees. When charging in lower temperatures, the batteries will not get fully charged. If your Eloflex is used in minus degrees, the mileage is affected. For example, at -10 degrees, the mileage can be reduced by up to 50%.

# Control Panel



**Information display:** The display on the scooter has 2 different display modes, one showing current information about speed, gear selection, headlights and turn signals. The other display mode lights up in the event of a fault on the scooter. The current error code, battery voltage and current gear are displayed there.



**Battery control:** This indicates how much power is left in the batteries. When the batteries are fully charged, all the lights are on. As the batteries discharge, the lights go out one at a time. Charge when two thirds of the lights has gone out.

## Driving instructions

### To start

When you start the scooter (on and off button) it is in parking mode. Then press the red brake button and then you can start driving with the gray accelerator button.

### To reverse

You push the gray button under the battery control indicator to change into reverse mode. A beeping sound is heard when the reverse mode is on (you also see which driving mode that is on at the scooter's display). You then reverse by pressing the accelerator button. When you want to drive forward again, click on the gray button again to change back into driving mode.



# Change the seat width

You can increase the seat width by moving out the armrests using the widening kit. You can choose to increase the seat width by 5 or 10 cm.



## Step 1

Loosen the armrests on each side by unscrewing its two brackets.

## Step 2

Fit the widening sleeve between the chair and the armrest. Reinstall the armrests.

**You order the widening kit from the reseller from where you bought your scooter.**

# Transport and storage

- A folded scooter can be placed in the luggage of a larger car. Use ramps to get the scooter into the car.
- A folded scooter can stand upright as in the picture to the right to take up less space.
- If the scooter is not to be used for a while, we recommend that the batteries be fully charged before putting the scooter away.
- The scooter should be stored indoors in frost-free, dry and ventilated areas. Storage temperature on 0-30 degrees is recommended.
- When transporting by bus or by handicap transportation, the Eloflex must be attached to the fastening points shown in the pictures at the bottom. Note that Eloflex is not tested as a car seat. We therefore always recommend that the user moves over to the car's own seats.



# Error Codes

## Error codes that may appear on the display

ERROR CODE	CAUSE	FIX THE ERROR
<b>Left/Right solenoid fault</b>	<ol style="list-style-type: none"> <li>1. The magnetic brake of the left / right motor is open.</li> <li>2. Connection fault on the left motor's magnetic brake.</li> <li>3. The magnetic brake of the left motor is broken, or the control unit may be damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Close the magnetic brake by pulling the red handle to the closed position.</li> <li>2. Verify that the motor connector is properly connected.</li> <li>3. Contact your reseller for assistance.</li> </ol>
<b>Left/Right Overcurrent</b>	<ol style="list-style-type: none"> <li>1. Overvoltage due to too much resistance.</li> <li>2. Engine or control unit fault.</li> </ol>	<ol style="list-style-type: none"> <li>1. The system resets when the resistance is gone.</li> <li>2. Kontakta din återförsäljare för hjälp.</li> </ol>
<b>Acceleration not zero</b>	<ol style="list-style-type: none"> <li>1. The throttle handle is not in the "zero position" when the chair performs a start-up test.</li> <li>2. Control unit fault.</li> </ol>	<ol style="list-style-type: none"> <li>1. Release the throttle and restart the scooter.</li> <li>2. Contact your reseller for assistance.</li> </ol>
<b>Acceleration fault</b>	Fault in throttle handle or control unit.	Contact your reseller for assistance.
<b>MController not support</b>	Fault in control unit, or wrong type of control unit.	Change control unit.
<b>Com fault Dis to MC</b>	<ol style="list-style-type: none"> <li>1. Loose or incorrectly installed connections.</li> <li>2. Control unit fault.</li> </ol>	<ol style="list-style-type: none"> <li>1. Verify that all connections are properly installed.</li> <li>2. Contact your reseller for assistance.</li> </ol>
<b>Left/Right driver fault</b>	Control unit fault.	Contact your reseller for assistance.
<b>Push rod Fault</b>	Short circuit in the length adjustment motor, broken length adjustment motor or fault in control unit.	Check the connection to the length adjustment motor, or contact your reseller for assistance.
<b>Battery vol too high</b>	Wrong battery type or broken battery.	Replace the 24V battery.
<b>Battery vol too low</b>	The battery is old or uncharged.	Charge the battery or replace it if it is old.
<b>Angle sensor fault</b>	Angle sensor is broken or connection fault.	Contact your reseller for assistance.

## Safety instructions when driving

---

There is a risk of injury by tipping the scooter.

- Only drive in inclines that do not exceed the maximum allowable slope.
- Always use the anti-tip device when driving your Eloflex.
- Driving downhill should always be done at a lower speed.
- Avoid areas where there is a risk of icy or slippery surfaces.
- Never try to drive up or down stairs with your scooter.
- Never drive over obstacles higher than the recommended maximum height.
- Avoid rapid movements with the handlebar and sudden changes in driving direction while driving.

Risk of being stuck in remote places.

- A user with greatly reduced mobility should not drive longer distances outdoors alone.

Risk of injury if one foot slips off the footrest and falls under the scooter while driving.

- Always place your feet in the middle of the footrest while driving.

Risk of injury if you collide with other objects in narrow passages.

- Drive through narrow passages with the lowest speed and greatest attention

There is a risk that the scooter will tip over if the anti-tip devices are removed, damaged or mounted at position that deviates from the standard mounting.

- The anti-tip devices must always be mounted in driving position when the scooter is used.
- The anti-tip devices only work on a solid surface. On soft surfaces such as lawns and snow, the anti-tip device can lose its effect. Therefore, drive extremely carefully on soft surfaces.

# Driving

---

## Read

**The user must read these safety and driving instructions before using the Eloflex scooter.**

## Practice

- **Practice** makes perfect. Train to drive your Eloflex together with an assistant by starting on an open plan surface, preferably outdoors, before using your scooter among other people, in stores or restaurants etc.
- **Move** forward by pressing the accelerator button.
- **Stop** by releasing the button or press the break button to stop immediately.

## Reverse

Reverse by pressing the reverse button and then drive backwards by pushing down the accelerator. Push the reverse button again to change back to driving mode. Remember to always look backwards before you start reversing to be sure that no person or thing is in the way.

## Spin

**Spin** by moving the handlebars gently sideways. Take care so nothing is in the way of the sides when you spin.

## Turn

**Turn as you drive** by gently moving the handlebars sideways in the same direction you want to turn. Always lower the speed when turning.

## Obstacle

**Practice** avoiding and passing obstacles. Move the handlebar sideways while driving forward to avoid obstacles. Remember to lower the speed as you approach obstacles.

## Fast driving

Press the plus button to increase speed if you want to drive fast. Remember to lower the speed as soon as you feel insecure, whether you are turning or approaching an obstacle.

## Run over obstacles

Drive slowly to the obstacle and make sure the front wheels are in the direction of travel. Then press the accelerator button while leaning backwards to drive over the obstacle. Eloflex is tested and approved for obstacles up to a maximum of 6 cm.

## Run on slope

Try driving straight up or down for an inclined surface. Lean slightly forward as you drive up, and backwards as you drive down, to maintain the center of gravity. Avoid driving sideways if possible and compensate for any side slope by leaning in the opposite direction. Always drive slowly on slopes. Avoid surfaces that tilt more than 9 degrees.

## Elevators

Remember to check the width of the elevator door and how quickly the door is closed before you enter the lift. Keep in mind that you may have to reverse out of the lift if it is not large enough to allow you to turn around.

## Driving on the road

Drive primarily on sidewalks, walkways and cycle paths and, ultimately, on busy roadways with your Eloflex.

## Cross the roadway

If possible, always choose to cross the road at a pedestrian crossing. Pay attention to intersecting cars. Use chamfered part of the pavement if available. Avoid curbs higher than 6 cm.

## General safety instructions

---

There is a risk of personal injury if the scooter is used for purposes other than those described in this document.

- Use the scooter only according to the instructions in this manual (see above, chapter "Type classification and intended use").

There is a risk of personal injury if the scooter is used for reduced driving ability.

- Do not use the scooter when your driving skills are impaired due to, for example, illness, medication or alcohol.

There is a risk of injury if the scooter is involuntarily moved.

- Switch off the scooter before boarding and exiting or if there is a risk that you, another person or an object could come in contact with the handlebar.
- When the motors are disengaged, the brakes do not work. Therefore, the scooter must only be pushed on flat ground, never on slopes. Never leave the scooter in or near slopes with disengaged motors.

There is a risk of personal injury if the scooter is switched off during travel with, for example, the on / off button or by tearing off a cable, as it stops with a hard jerk.

- Release the acceleration button or push the red brake button for a faster stop.

There is a risk of injury due to falls from the scooter

- Do not move forward, do not bend forward between the knees and do not lean over the scooter's edge, for example to reach objects.
- Always use a seat belt and re-adjust it before each trip.
- Drive as close to the new seat as possible when transferring to another seat.

There is a risk of personal injury if the maximum permissible load is exceeded.

- Observe the maximum permissible load (see chapter "Technical data" at the back of this document).
- The scooter may only be used by a single person. Never use the scooter to transport more than one person at a time.

There is a risk of personal injury and damage to the scooter if the lock is released when folding is not properly clamped when the scooter is used.

- If the scooter's lock has not clicked into place properly, the scooter can suddenly collapse when used, which can cause you to fall out of the scooter.
- Always ensure that the locking hook is in a correct position before using the scooter.

There is a risk of personal injury and crushing damage when folding the scooter.

- Always fold and raise the scooter as described in the operating instructions.
- Pay attention so that none or nothing is squeezed when folding and unfolding.

There is a risk of personal injury and damage to the scooter if it is used in damp areas.

- The scooter must not be used during showering.
- The scooter must not be used when bathing.



# Safety

---

## Crossing railway tracks

Always cross the railway track straight from the front, never obliquely from the side.

Never cross the railway tracks alone, always have someone with you who can help you.

## Sharp edges

Be careful when driving on steep slopes, as the scooter is likely to break. Eloflex is tested and approved for gradient with a maximum of 9 degrees. Always have someone with you who can help you.

## High edges

Be careful when driving up or out for an edge. Eloflex is tested and approved for edges up to a maximum of 6 cm. Always have someone with you who can help you.

## Transfer

We recommend that you always have someone who can help you with transfers to and from your Eloflex. Always turn off the power before starting the movement. Always lift up the armrests before moving to make getting on and off the seat easier.

## Don't repair by yourself

Never try to repair a broken scooter on your own. If you try to repair the scooter yourself, the warranty does not apply. Always turn to Eloflex or to the shop or assistant center that sold / prescribed the scooter. Never modify your scooter on your own.

## No toy

Never allow children who do not normally use a scooter to sit on or use your Eloflex.

## Cleaning

Never clean your Eloflex with running water. Only wipe it with a damp cloth.

If your Eloflex is slow to fold up and together, you can lubricate the joints with oil or silicone spray.

## Beware of heat

Never leave your Eloflex in direct sunlight or near a heat source as the batteries may be damaged. Never be near open fire with your Eloflex.

You can use your Eloflex from -10 degrees up to +45 degrees. At freezing temperatures, the range can be affected.

## Storage

Keep your Eloflex out of the reach of children when not in use.

The scooter should be stored indoors in frost-free, dry and ventilated areas. Storage temperature 0-30 degrees.

## The charger

The charger must never be covered when used to charge your Eloflex. The charger becomes hot and there is a risk of accident or injury.

## Batteries

Never store the batteries in direct sunlight or in a location that can reach below zero temperatures.

The batteries should be stored in a dry and ventilated place.

# Technical specifications

## FACTS ELOFLEX S1

<b>WEIGHT</b>	41 kg including 2 batteries
<b>SPEED</b>	max 9 km/h
<b>RANGE</b>	30 km
<b>MOTOR</b>	2 x brushless motors
<b>MOTOR EFFECT</b>	2 x 250 Watt
<b>BATTERY</b>	2 x Litium ION 10 AH / 24 V (240 Wh)
<b>BATTERY WEIGHT</b>	1,6 kg/st
<b>CHARGING TIME</b>	3 hours
<b>TURNING RADIATION</b>	100 cm
<b>MAX SLOPE</b>	9 degrees
<b>WHEELS</b>	3 st 12" airfilled
<b>SEAT HEIGHT</b>	55-60 cm
<b>SEAT WIDTH</b>	45 / 50 / 55 cm
<b>SEAT DEPTH</b>	40 cm
<b>MAX LOAD</b>	Max 120 kg
<b>CUSHION</b>	Artificial leather
<b>SIZE</b>	105-120 cm (H) x 63 cm (W) x 91 cm (D)
<b>SIZE FOLDED</b>	105 cm (H) x 63 cm (W) x 55 cm (D)
<b>WARRANTY</b>	2 years

*Recommended pressure for the wheels = 2,5 kg.*

## © Copyright Eloflex

This document contains copyrighted information and may not be copied or reproduced in whole or in part without the written permission of Eloflex. Eloflex is reserved for any typographical errors in this document and we reserve the right to product changes.



Sungo Europe B.V.  
Olympisch Stadion 24, 1076DE  
Amsterdam, Netherlands  
SRN:NL-AR-000000247

Kunshan Aoshida Electric Technology Co., Ltd  
No. 108 Matang Road, Penglang Town, Development Zone, Kunshan City, Jiangsu

## Contact Eloflex

If you have any questions or need help, please contact your help center or dealer. If you want direct contact with us, you will find contact information on our website, [www.eliflex.eu](http://www.eliflex.eu)



**Eloflex**  
**Hammarbacken 4B**  
**191 49 Sollentuna**  
**SWEDEN**

**Phone: +46 (0) 10 18 33 100**  
**Email: [info@eliflex.eu](mailto:info@eliflex.eu)**  
**Webb: [www.eliflex.eu](http://www.eliflex.eu)**