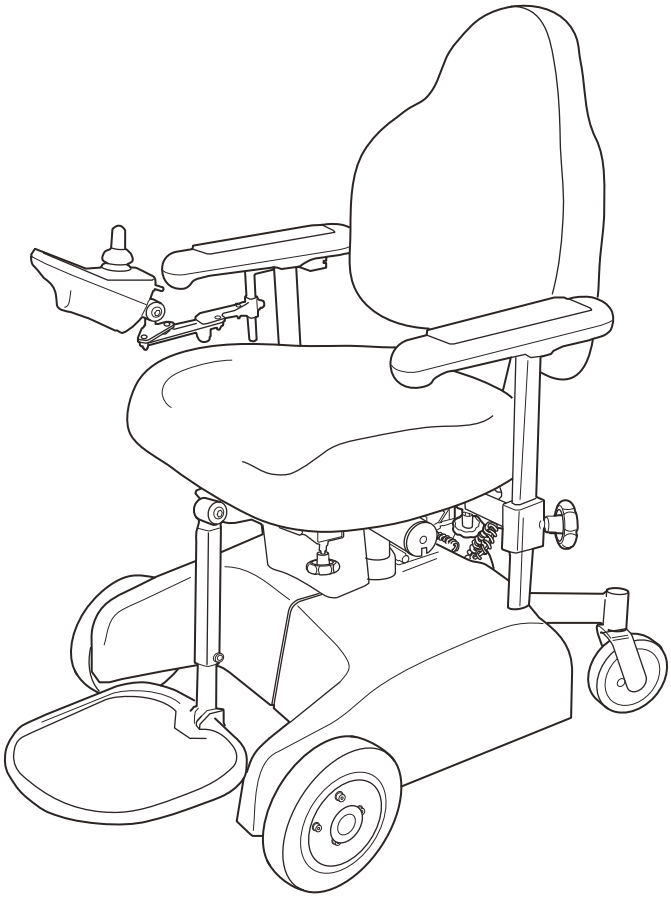
Manual

EUROFLEX®

Miniflex



Eurovema

rev: 14/04/2023

Contents

If you are visually impaired: The User Guide is available in magnifiable PDF format from http://www.eurovema.com/sv-se/dokument/.

GENERAL DESCRIPTION; MINIFLEX 500

Product name: Euroflex Miniflex 500,

UDI-DI: 7332216000015Q

MEDICAL DEVICE CLASSIFCATION

Class 1

MEDICAL DEVICE PURPOSE

An electric wheelchair should demonstrate a high level of functionality and quality, and create the criteria for good seating ergonomics. Thanks to various chassis, seat system, and electric function combination options, it is possible customise the chair to meet the needs of different users.

MAXIMUM USER WEIGHT

150 kg

INTENDED USE

An electric-powered wheelchair for indoor use. The product is very small and flexible, able to travel along narrow corridors, through tight doorways, and get close to worktops in kitchens or sinks in hygiene spaces. The design also enables the seat to be significantly lowered but also raised to a height to allow the user to reach high level cabinets. Miniflex can be adapted to work in a variety of use environments; home, school, workplaces, and occupational therapy/rehabilitation. The main area of use is the home.

USERS

The product has been designed to be used by people who have difficulty moving around indoors using other assistive devices. Its target user base is children and adults who have limited mobility and who can, whilst sitting in the chair, operate a control device to navigate around the environment in which they find themselves in a safe manner. The Miniflex may also be used by care personnel using carer control.

CONTRAINDICATIONS

Contraindications exist where the intended user of the product has functional impairments that make it impossible for them to independently operate the electric wheelchair. Use and adaptation must be trialled in consultation with a physiotherapist, occupational therapist, or other appropriately qualified person.

PRODUCT SERVICE LIFE

The expected service life of the product is 10 years

ASSOCIATED DOCUMENTS

Product data sheets, service manual, installation instructions,

safety advisories, and any product recalls

can be found on and downloaded from www.eurovema.se

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eurovema.se

UNPACKING AND ASSEMBLY

- Open the packaging and check that there has been no damage during transport.
- Also check that the delivery matches the order. If the chair is supplied with the back support and armrests not fitted.
- Press in the spring bearing and insert the back pillar (**1**). Tighten the knob (**2**) and screw the safety screw in the side of the back pillar (**3**, **4**).

TRANSPORT

When transporting the Miniflex in motor vehicles, it is important that the brakes are engaged.

See section "Releasing the brakes". The chair should be strapped in place with straps.

Special attachment lugs are fitted as standard.

It is strictly forbidden to sit in the wheelchair whilst it is in transit.

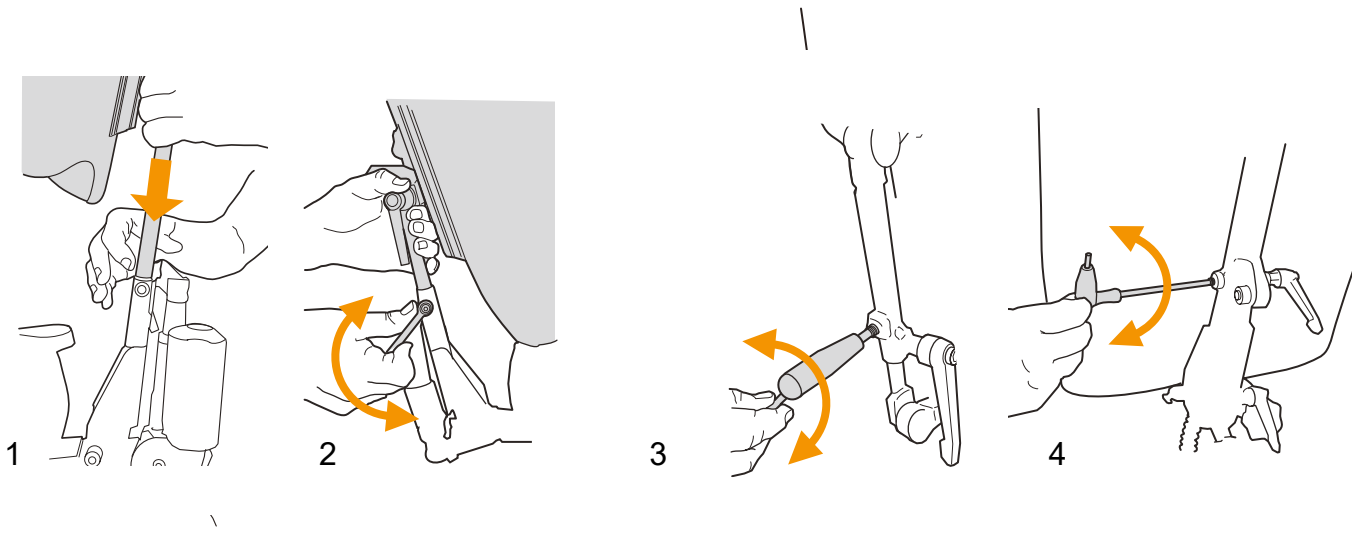
You can reduce the transport dimensions of the chair by removing the back support, armrests, and leg support.

The batteries in the wheelchair are maintenance-free and sealed (AGM type), and are also approved for transport by air.

For more information about transport, see page 35.

Before using for the first time, check that:

- all knobs and screws are tightened.
- the brake release mechanism has been deactivated. - no cables are crushed or damaged.
- the armrests and back support are raised and do not touch the housing when the seat is in its lowest position.
- the display shows no fault codes (flashing lights).
- the battery is fully charged.
- joystick control works in all directions and that the wheelchair stops when the joystick is released



SAFETY RULES

- Read the User Manual carefully before using the electric wheelchair.
- Charge the batteries as soon as possible when the battery indicator light turns orange.
- The lifting pillar has a work cycle of 2 on /18 off, which means 2 minutes of use, followed by 18 minutes of rest.
- The electric wheelchair is designed to be used in a normal indoor climate.
- Take care when adjusting the manual seat angle while sitting in the chair as there is a risk you could fall out of the chair.
- If you find damage, loose components, or notice changes in the chair's functionality, contact the service organisation (assistive device supplier) immediately.
- Using the various seat setting options may affect the stability of the wheelchair. Only use these options when the wheelchair is standing on flat ground.
- Make sure you tighten all the screws, knobs, and controls properly after making adjustments. Metal surfaces may get very hot if they are exposed to sunlight or some other external source of heat.
- Service, maintenance, and adaptations should be carried out by trained staff authorised by Eurovema Mobility AB.
- When making repairs, only use original parts from Eurovema Mobility.
- Do not exceed the stated maximum user weight (150 kg).
- Only use the included original battery charger to charge the batteries.
- In order to maintain safety, only use original attachments for detachable parts, e.g. armrests, back support, and footplate.
- The functionality of the electric wheelchair maybe impaired in strong electromagnetic fields emitted by things such as power cables and data centres. The wheelchair may cause interference to equipment based on electromagnetic fields such as alarm systems in businesses, automatic doors, etc.

GUARANTEE

Our products come with a 2-year guarantee against manufacturing defects/damage. Upholstery, wheels, and batteries are not covered by this. Instead, these items come with a 1-year guarantee. Normal wear and tear is not covered by the warranty. We recommend our customers to use the product in accordance with the user manual. Expected service life is 10 years if used in accordance with our instructions and stipulated maintenance intervals.

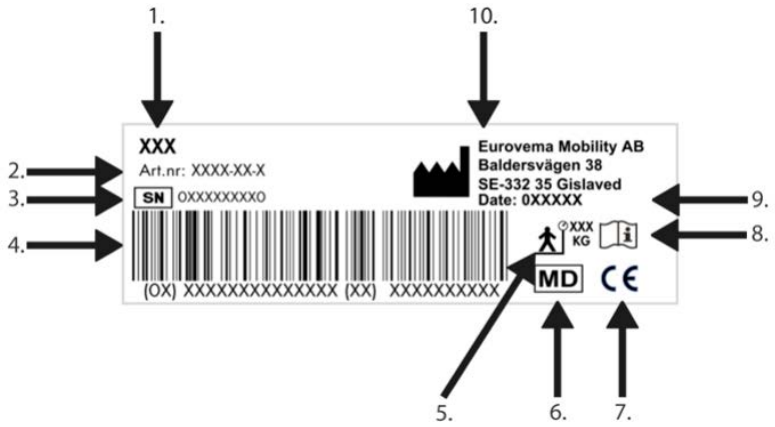
SERVICE

If the electric wheelchair is used on a daily basis, it should be sent to service for inspection once a year. This is to check that the function and safety of the electric wheelchair is maintained during its entire service life. If servicing is required, please contact your Assistive Device Centre first.

A manufacturing label can be read on the rear of the pillar

1. Product name
2. Part number
3. Serial number & UDI-PI
4. Barcode
5. Max. user weight
6. Medical device
7. CE marking
8. Read the manual before use
9. Manufacturing date

10 am. Manufacturer's name



CE MARKING

Flexmobil i6 is CE-marked in accordance with the Medical Devices Regulation of the European Parliament, MDR 2017/745.

The product is tested and approved in accordance with:

- EN 12184:2014 (Electrically powered wheelchairs, scooters and their chargers. Requirements and test methods).
- EN 60601-1-2:2014 Medical electrical equipment.
- SS-EN 1021-1:2014 Ignitability (resistance to smouldering)
- SS-EN 1021-2:2014 Ignitability (resistance to open flame)

Instructions for transferring the wheelchair user

- Prepare the location to which the user is to be transferred.
- Ask whether the user can help and clearly tell them everything you will do, including during the procedure.
- When transferring to a wheelchair, lower the armrest, remove or turn back in order to avoid contact or injury.
- Remove or swing away the footrest in order to prevent getting feet stuck whilst you perform the transfer.
- Position the wheelchair at the same height in order to facilitate a safe user transfer.
- Depending on the transfer method used, positioning the wheelchair parallel to transfer point
- can make transferring easier and safer.
- Make sure that the brakes are engaged and that the wheelchair is stable.

Wheelchair transfer procedure

- Make sure the user has a walking belt or transfer strap.
- Stand as close to the user as possible. Be careful with the foot attachment.
- It is recommended that real shoes are used. Sandals or slippers do not provide adequate support to ensure a safe transfer.
- Help the user get to the front edge of the wheelchair.
- Make sure that both of the user's feet are under their body.

Figure 1.

- Lift the belt as the user angles themself forward and gets up.

1.

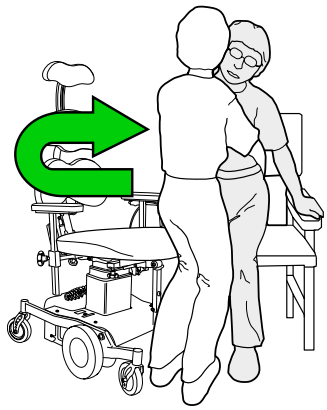
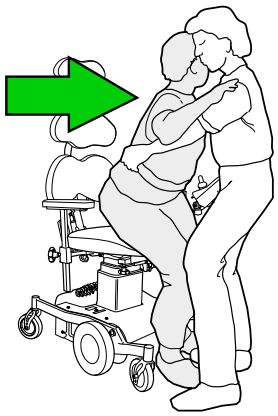


Figure 2.

- Hold the user's weaker knee between your knees in order to help them slowly get down into the wheelchair.
- Position the patient in stable sitting position and screw the armrest in.

2.

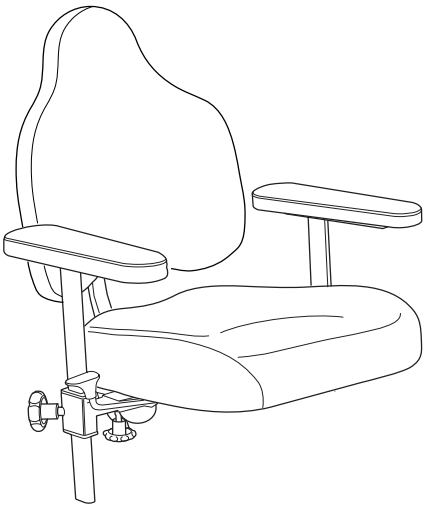


Available seat systems

The Euroflex seat system is designed to deliver optimal sitting comfort to the user. The soft, filled cushion is available in a variety of sizes and ensures that the user can enjoy optimal sitting comfort and support. It is upholstered in a dirt-resistant and machine washable polyester fabric. The system is available in the following combinations:

1. SitRite
2. Child ABC

1



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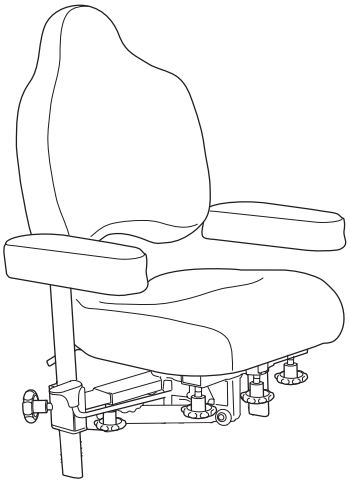
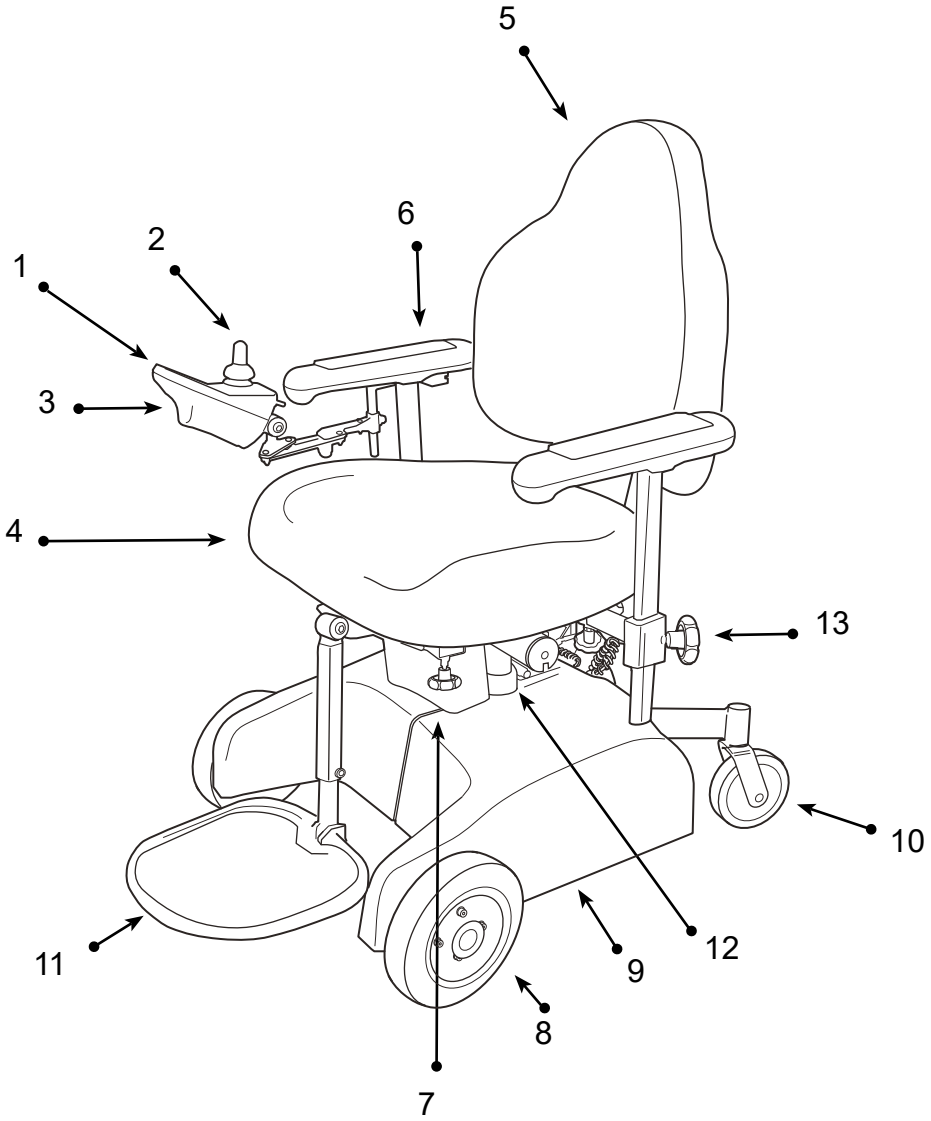


SitRite overview

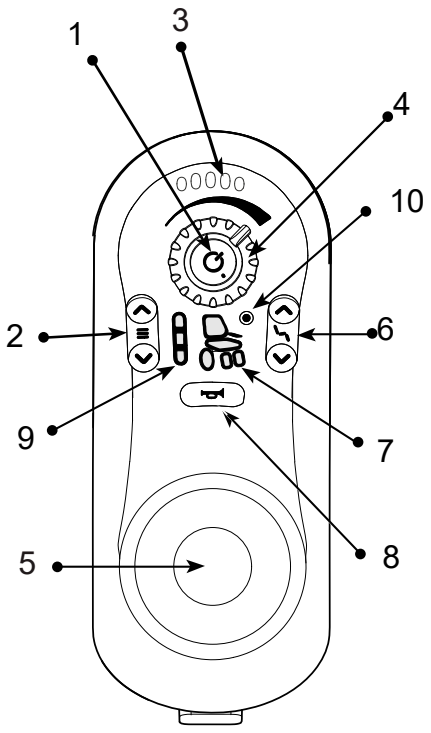
1) control box
2) joystick
3) charging port
4) seat
5) back support
6) armrest
7) automatic fuse
8) drive wheel
9) battery cover
10) swivel wheels
11) footrest - footplate
12) seat lift actuator
13) adjustment knob



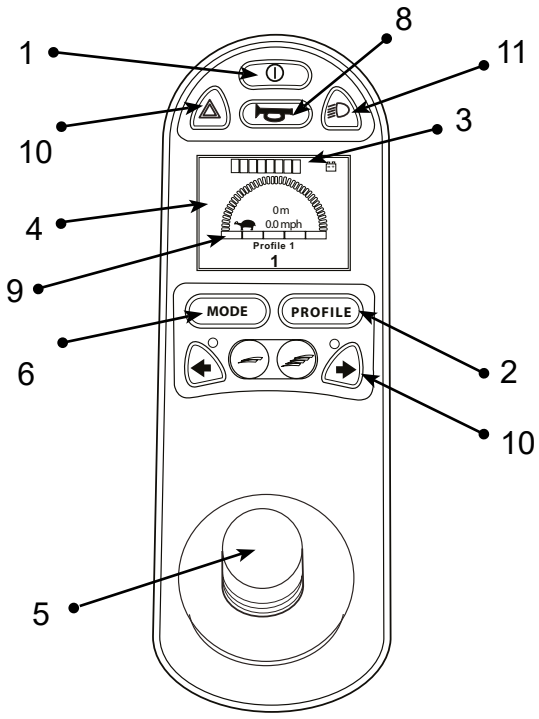
ELECTRONICS, Linx and R-net

Miniflex is equipped with a control system from either Dynamic Control or PG Drive that controls the power from the batteries to the motors. The wheelchair and its electrical seat functions are controlled using the control box, which is available in two different versions: *Linx REM211* and *R-net*. The joystick is used to drive the wheelchair in the desired direction. The electronics can be programmed and adapted to the individual user's requirements, but usually the original program is perfectly adequate. In the event of an electrical fault, the on/off button will flash red G (**1**) Linx REM211. The fault can be identified by counting the number of flashes. See Troubleshooting.

1) on/off
2) operation program selection
3) battery indicator
4) speed adjuster
5) joystick
6) seat function selection
7) seat function symbols
8) horn
9) status display
10) connection indicator



LINX REM211



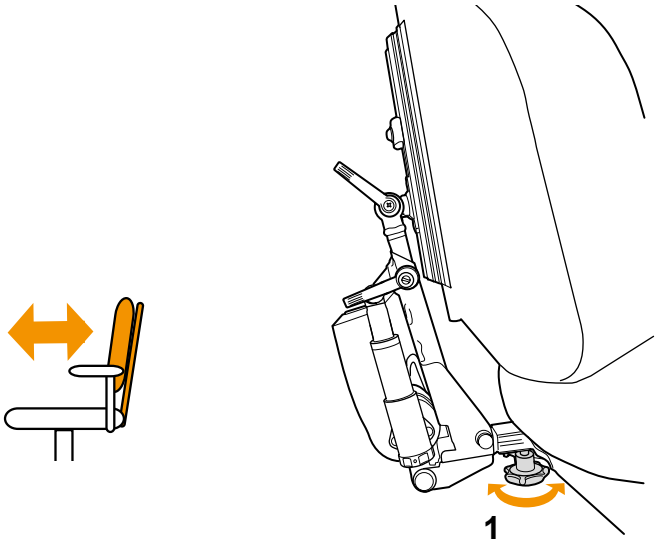
PG R-net

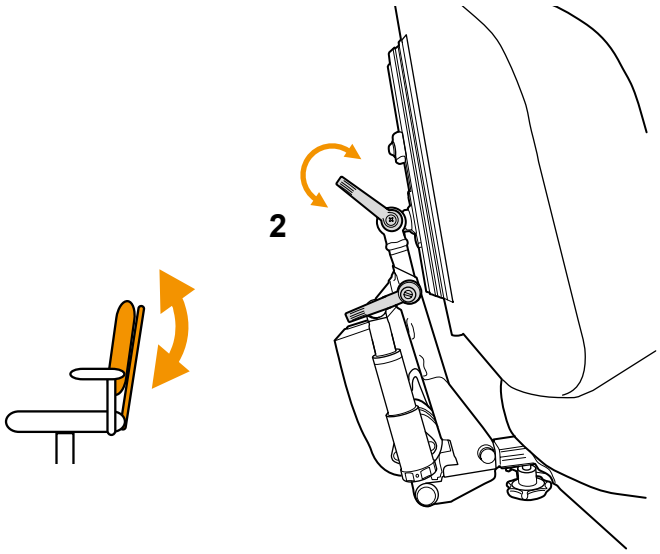
BACK SUPPORT, SitRite - seat depth

Use the wheel (**1**) to adjust seat depth with the back support. Set the desired seat depth by moving the back support backwards or forwards. Move the wheel to its original position to lock.

BACK SUPPORT, SitRite - tilt

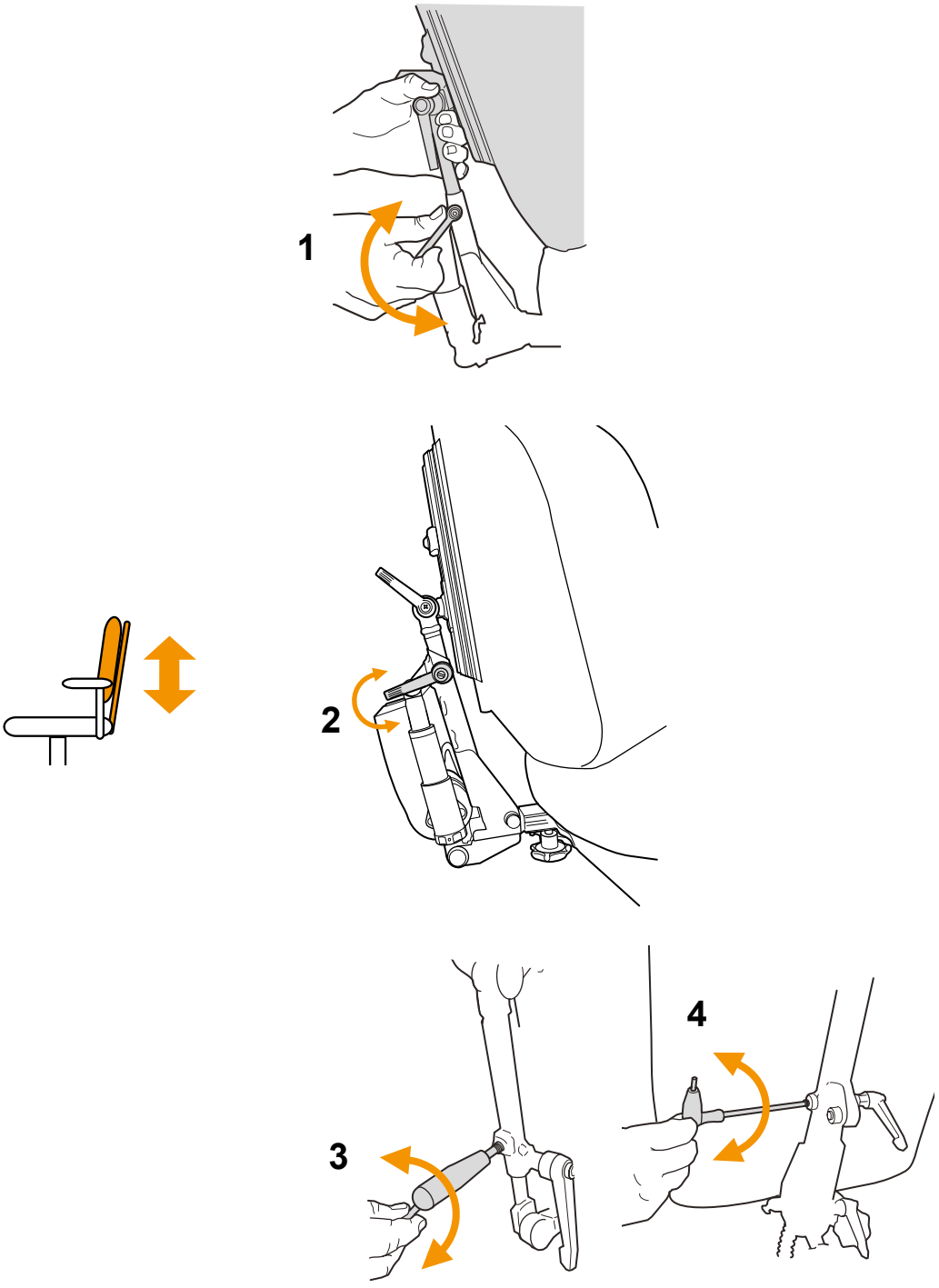
Use the lever (**2**) to adjust the tilt of the back support. Dial in the required angle and lock by moving the lever back to its original position.





BACK SUPPORT, SitRite - manual height

Undo the safety screws using an Allen key before adjusting the height of the back support (**1**). Loosen the lever (**2**) by turning it anticlockwise a ½ turn. Set the back support to the desired height and turn the lever ½ a turn clockwise to lock. After making the adjustment, tighten the safety screws (**3**, **4**).



Back support tilt, SitRite - electric

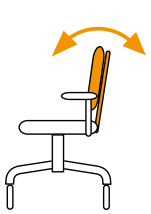
If the chair is equipped with electronic back support tilt, this function is activated via the control box

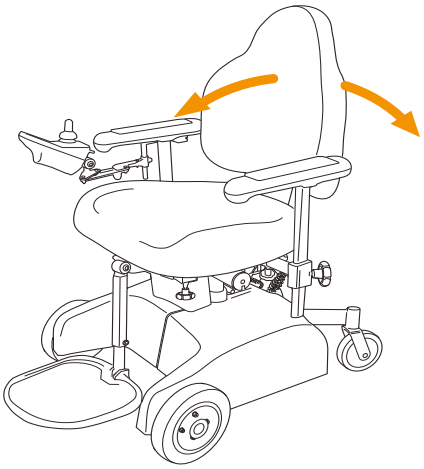
LINX REM211:

Select the back support symbol (**7**) by pressing the up or down arrow in the *"seat function"* button cluster (**6**), or by moving the joystick (**5**) to the right or left until the back support symbol light comes on. Then move the joystick (**5**) forwards to tilt the back support forwards, and backwards to tilt backwards.

PG R-net:

Press the *"MODE"* button (**6**). Then move the joystick to the right or left until the back support symbol light (**4**) comes on. Move the joystick (**5**) forwards to adjust the back support forwards, and backwards to adjust the back support backwards. Back support adjustment stops automatically once the end positions are reached. To return to operation mode, press the *"PROFILE"* button (**2**) and the selected operation program will be shown in the display (**4**).





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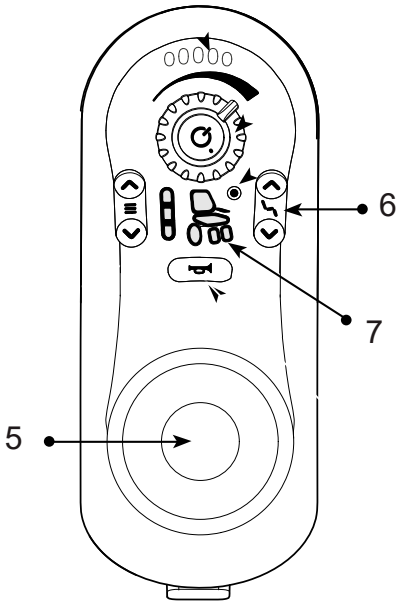
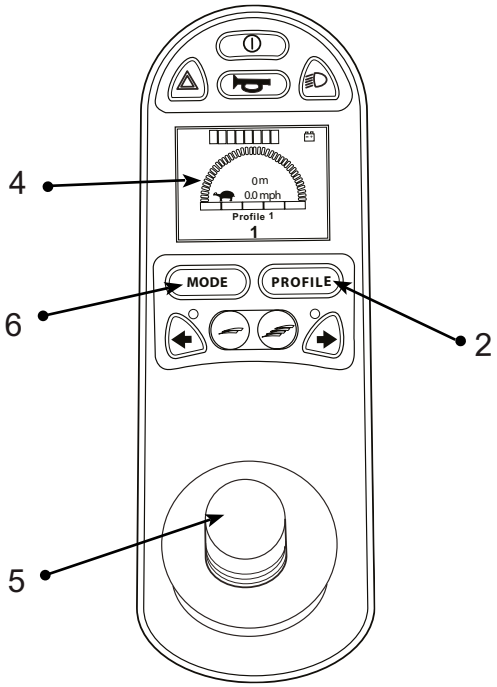


LINX REM211



PG R-net

SEAT HEIGHT - electric

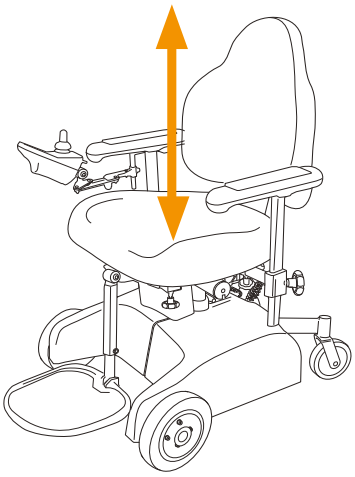
The seat can be raised and lowered steplessly to any height, and the selected hight will be automatically locked in. Start the wheelchair electronics by pressing the on/off button (**1**).

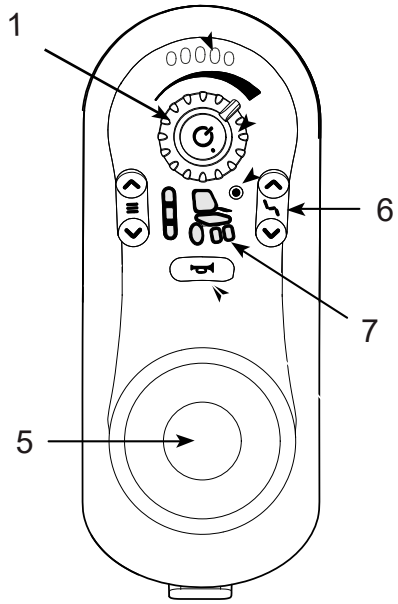
LINX REM211:

Select the seat lift symbol (**7**) by pressing the up or down arrow in the *"seat function"* button cluster (**6**), or by moving the joystick (**5**) to the right or left until the seat lift symbol light comes on. Then move the joystick forwards to raise the seat, and backwards to lower the seat.

PG R-net:

Press the *"MODE"* button (**6**). Then move the joystick to the right or left until the seat lift symbol (**4**) light comes on. Move the joystick (**5**) forwards to lower the seat, and backwards to raise the seat. The height adjustment stops automatically once the joystick is released. To return to run mode, press the *"PROFILE"* button (**2**) and the selected operation program will be shown in the display (**4**).





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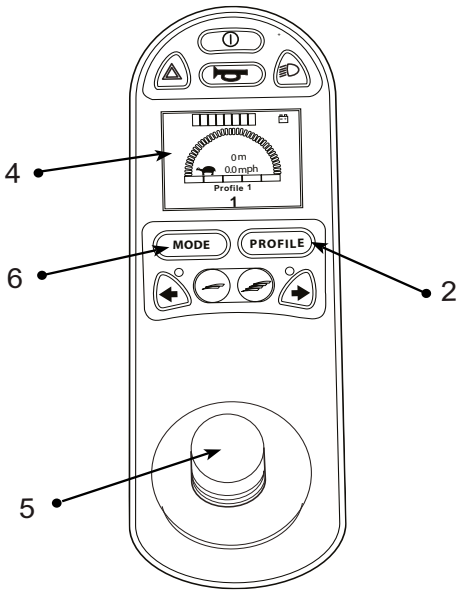

PG R-net

SEAT TILT, SitRite – manual

The seat angle can be adjusted within a range of -27° to +17° backwards. Turn the wheel clockwise to tilt the seat forwards, and anticlockwise to tilt backwards (**1**).

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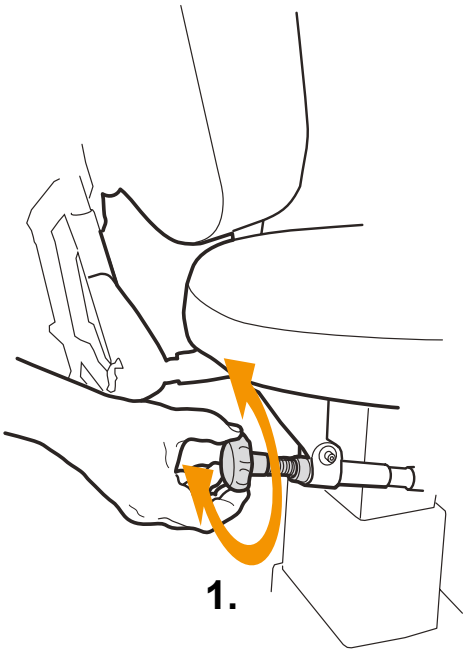


1.

SEAT TILT - electric

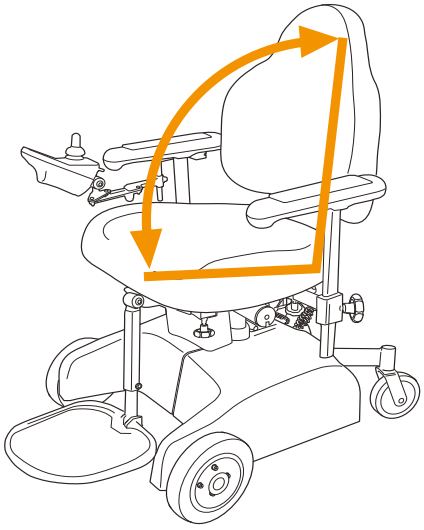
If the seat is equipped with electronic seat angling/tilt, this function is activated via the control box.

LINX REM211:

Select the seat tilt symbol (**7**) by pressing the up or down arrow in the *"seat function"* button cluster (**6**), or by moving the joystick (**5**) to the right or left until the seat tilt symbol light comes on. Move the joystick (**5**) forwards to tilt the seat forwards, and backwards to tilt the seat backwards.

PG R-net:

Press the *"MODE"* button (**6**). Then move the joystick to the right or left until the seat tilt symbol light (**4**) comes on. Move the joystick (**5**) forwards to tilt the seat forwards, and backwards to tilt the seat backwards. Seat angling stops automatically once the end positions are reached. To return to operation mode, press the *"PROFILE"* button (**2**) and the selected operation program will be shown in the display (**4**).



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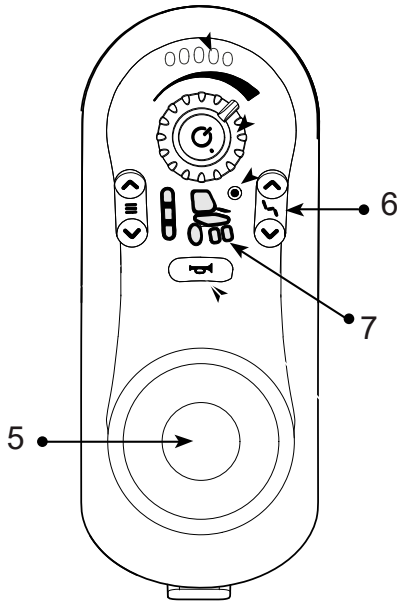
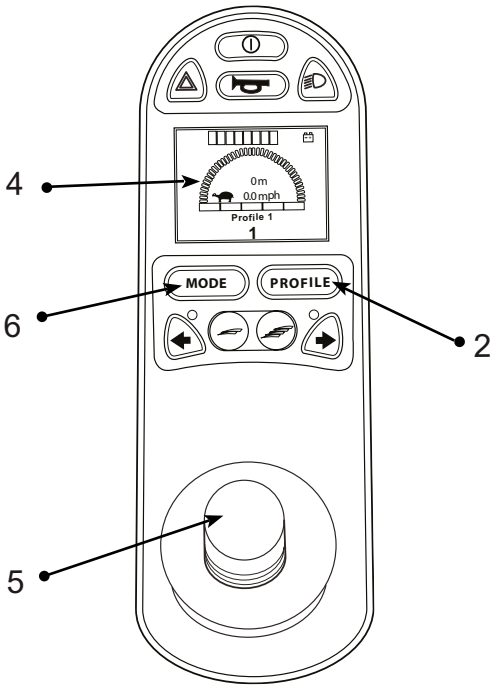


LINX REM211



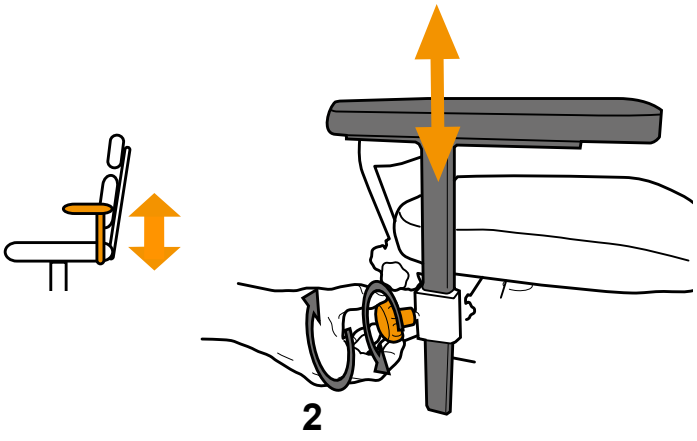
PG R-net

ARMREST - height and width

To adjust the width between the armrests, loosen the wheel (**1**). Adjust to the desired width and tighten the wheel. Repeat the procedure for the other armrest. Adjust armrest height by loosening the lever (**2**). Adjust to the desired height and tighten the lever.

ARMREST - backwards retractable

If the wheelchair is equipped with retractable armrests, they can be folded backwards to facilitate lateral movement and enable the user to get closer to objects, e.g. a table. Press the lever down in the direction of the arrow to retract the armrest backwards. To put the armrest back, lift it by hand to the upright position at which point it will lock automatically.



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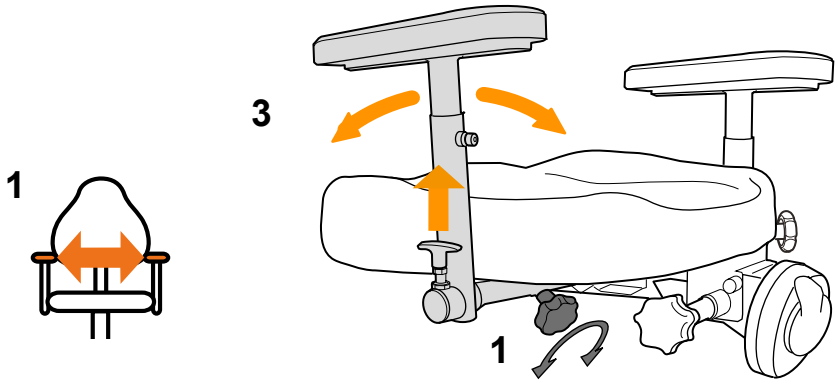
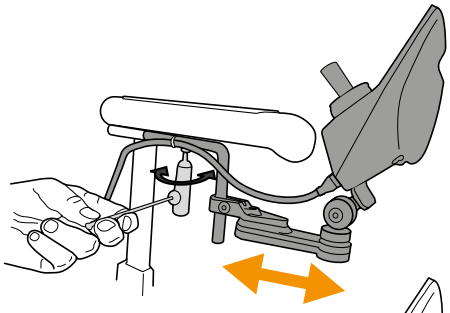


CONTROL BOX – adjustment

The position of the control box can be adjusted by loosening the screws **1**, **2**, and **3** using a 5 mm Allen key. Loosen screw **1** to adjust depth, and screws **2** and **3** to adjust the angle and height of the control box. Set the desired position and tighten the screws. The control box can also be moved to the side and backwards in order to be out of the way when, for example, you want to get near to a table.

WARNING - RISK OF CRUSHING!

1.



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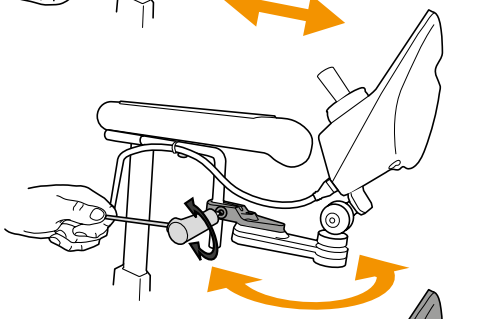

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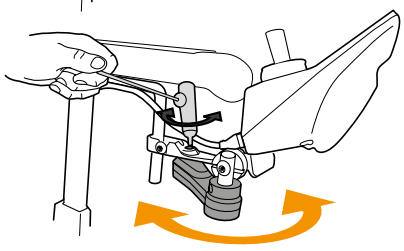


4.

HEAD REST - adjustment

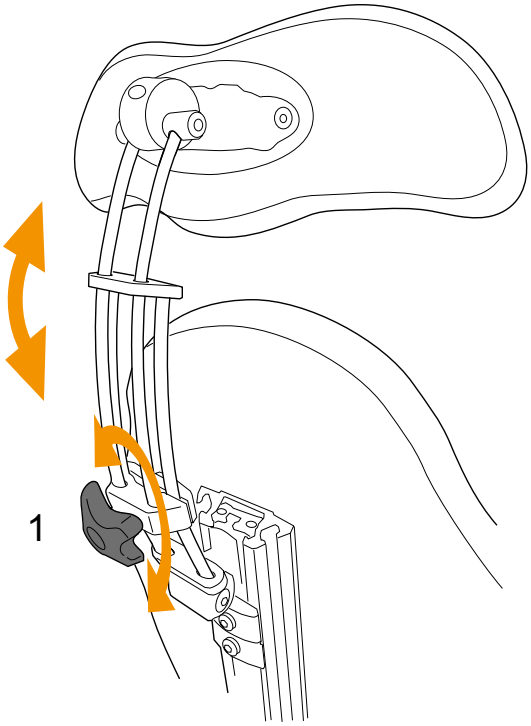
If the chair is equipped with a head rest, its height can be adjusted by loosening the wheel (**1**).

Set the correct height and tighten the wheel.

Warning! Risk of crushing!

When the wheel is loosened, the head rest becomes loose and can quickly fall down. Observe caution when adjusting!

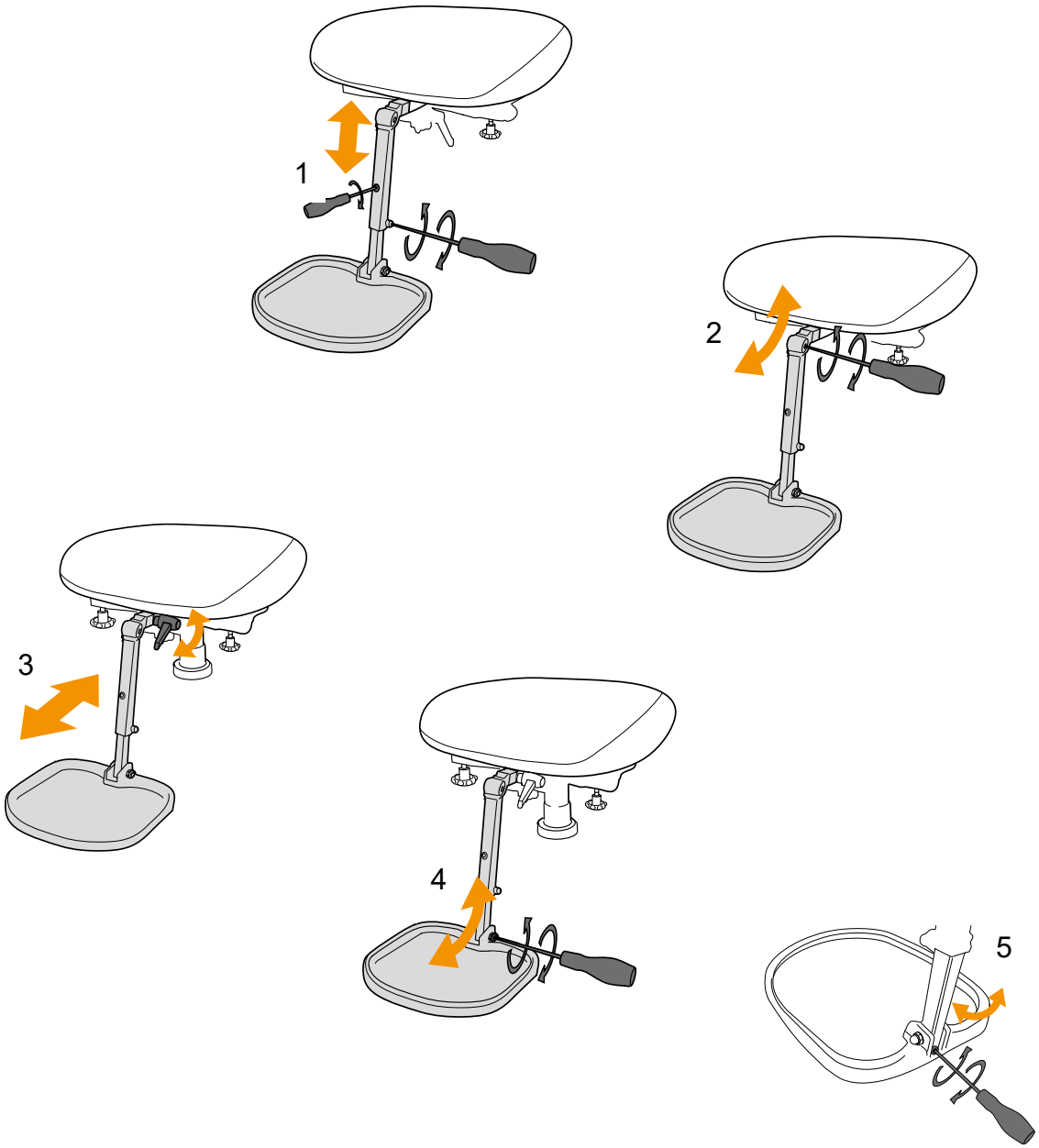
WARNING - RISK OF CRUSHING!



LEG SUPPORT - complete footplate

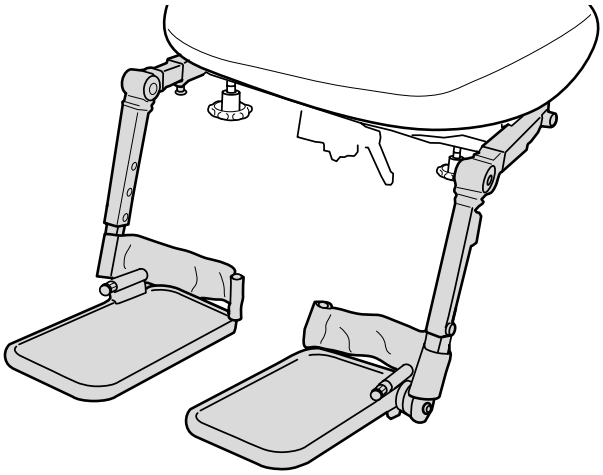
If the chair is equipped with a full footplate, its height and lower leg angle can be adjusted by loosening screws (**1** and **2**) using a 5 mm Allen key. Adjust to the desired position and tighten. To adjust depth and footplate angle, loosen screws (**3** and **4**).

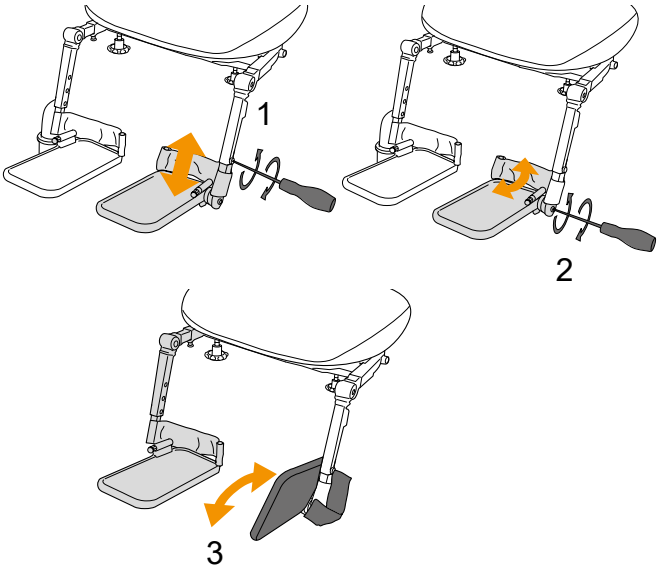
Set the desired position and tighten. The footplate can also be folded up to make it easier to get in and out of the chair.



LEG SUPPORT - bifurcated footplates

If the chair is equipped with bifurcated footplates, their height and lower leg angle are adjusted by loosening screws (**2**) using a 5 mm Allen key. Adjust to the desired position and tighten. To adjust depth and footplate angle, loosen screws (**2**). Set the desired position and tighten. To adjust lateral footplate position, loosen the knob. Set the desired position and tighten the knob (**3**). The footplate can also be folded up to make it easier to get in and out of the chair.





LEG SUPPORT, electric - tilt adjustment

LINX REM211:

Select the leg support symbol (**7**) by pressing the up or down arrow in the *"seat function"* button cluster (**6**), or by moving the joystick (**5**) to the right or left until the leg support symbol light comes on. Then move the joystick (**5**) forwards to angle the leg support downwards, and backwards to angle the leg support upwards.

PG R-net:

Press the *"MODE"* button (**6**). Then move the joystick to the right or left until the leg support symbol light (**4**) comes on. Move the joystick (**5**) forwards to lower the leg support, and backwards to raise the leg support.

LEG SUPPORT - length adjustment

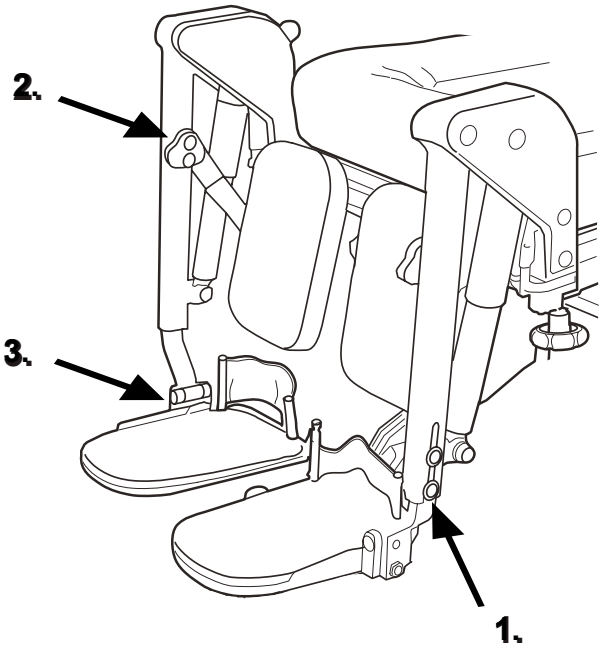
To adjust the length of the leg support, loosen the screws as shown in the figure (**1**). Pull the leg support out to lengthen, or press in to shorten. Tighten the screws.

LEG SUPPORT - Footplate tilt adjustment

Loosen the screws (**3**). Adjust the angle of the plates and tighten the screws.

CALF SUPPORT - height and depth setting

Loosen the screws (**2**), set the calf support to the desired height and depth, and then tighten the screws.



OPERATION

Turn on the main power and sit comfortably in the chair, allowing the arm with which you shall control the chair to rest on the armrest so that your hand has a comfortable grip of the joystick (**5**). Start the wheelchair electronics by pressing the button (**1**); wait a couple of seconds until the battery indicator light (**3**) stops flashing.

LINX REM211 / PG R-net

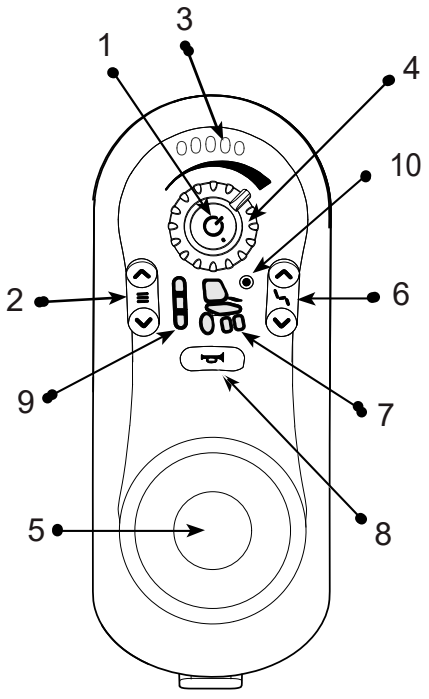
Select the required operation program using the button (**2**). Press the up arrow (*"Profile"* PG R-net button) one or more times to increase speed, or the down arrow to reduce speed. The more green lamps lit on the display (**9**) (**4** PG R-net), the quicker the wheelchair will move. To make fine adjustments to wheelchair speed, turn the knob (**4**) or press the button (**9**) PG R-net). Move the joystick in the direction you want to travel, and the wheelchair will act accordingly.

During operation, you must not

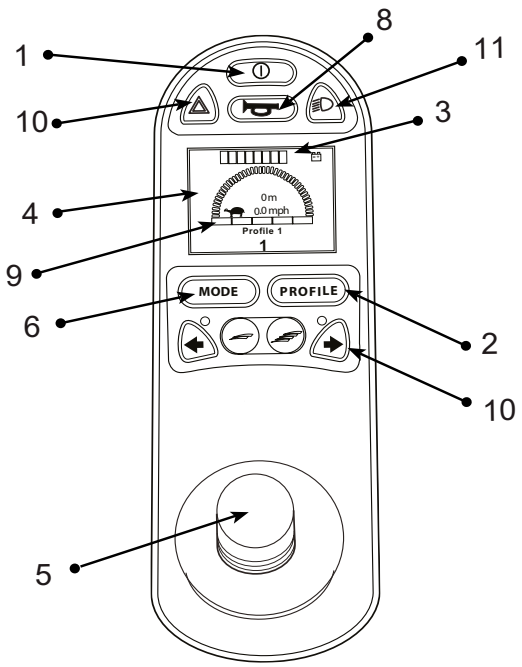
- press the on/off button!
- suddenly start moving the chair in the opposite direction!

RISK OF INJURY!

NB! Make sure that there is plenty of space around the wheelchair when operating it for the first time. Practise reversing, turning, and driving at different speeds to get used to how the wheelchair behaves in different situations. Be careful when passing obstacles such as thresholds or suchlike.



LINX REM211



PG R-net

OPERATION TRAINING

It is important that you learn how your electric wheelchair works in different situations. Practise is the key to developing your skill in operating the wheelchair. Ideally, do not practise alone.

- Practise starts. In the beginning, it may be difficult to start moving the wheelchair smoothly. Take your time and learn to drive the chair easily. Doing this makes things more comfortable and reduces the risk of you hitting things. Try to keep your hands/wrists soft. Rest your entire forearm on the armrest.
- Practise braking so that the procedure becomes smooth. Quick braking is not difficult, simply let go of the control lever. Learn how much distance your wheelchair requires to brake before it comes to a stop in a comfortable, controllable way.
- Practise driving over thresholds Low thresholds (5-15 mm). Make sure that the wheels are pointed directly at the obstacle and pass over it carefully. You might need to approach high thresholds (15-30 mm) at an angle.
- Practise turning right and left. Note how much floor space is required to turn the chair a full turn.
- Practise reversing Reverse gently and slowly. Note how the wheelchair reacts in a completely different way when you turn. Release the control lever if you lose control of the wheelchair and start again. Lean slightly forward when reversing over a threshold.
- Practise using the wheelchair in narrow corridors Practise going through doorways from the side and straight on. Also practise reversing into tight spaces.
- Brake. Put the control lever in neutral.
- Emergency stop. Release the control lever. Stopping distance at 5km/h = approx.1 m

NOTE! A raised seat lift and angled seat tilt or back tilt changes the centre of gravity and increases the risk of the chair flipping over! Only use seat functions on flat ground and always drive with great care and at low speed!

NB Remember, surfaces with a camber can affect steering

OPERATION across inclined and uneven surfaces.

NB Make sure that the seat lift is always in its lowest position before operating the wheelchair on an inclined surface!

NB Do not turn or cross-brake the wheelchair on an inclined surface!

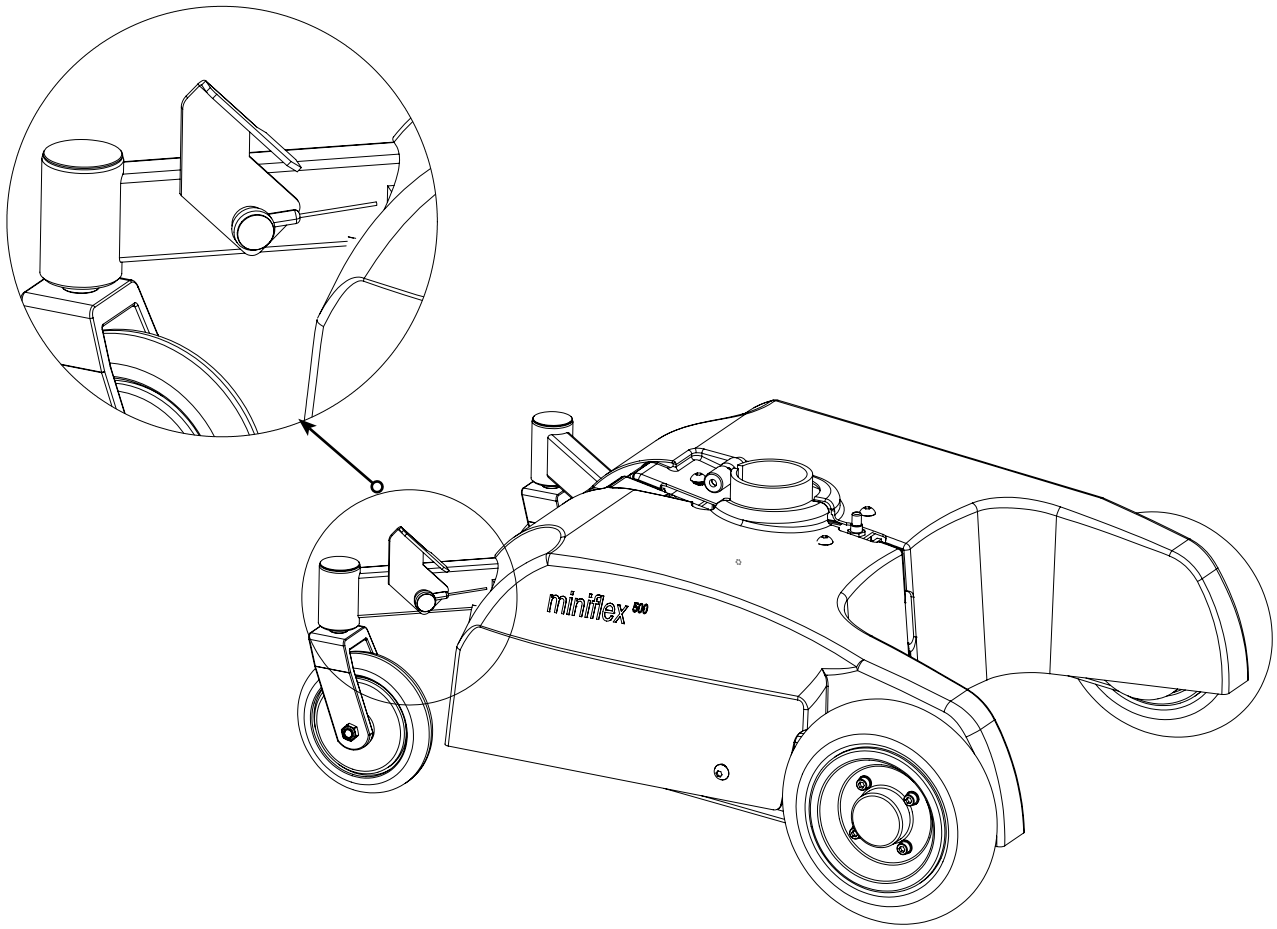
NB the height for a threshold going both forwards and backward is 30 mm.

This wheelchair is only designed to be used indoors and is built to handle obstacles of up to 30 mm. These obstacles should be driven over at an angle or perpendicular to the obstacle.

RELEASING THE BRAKES

To transport the wheelchair on its wheels with the electronics switched off, the brakes/motors must be disconnected. This is done by switching off the electronics and *moving the red lever by the chassis leg adjacent to the rear swivel wheel forwards until the lever . locks itself in the forward position* (**1**). The chair can now be transported without the motors braking. To return to operation, *press the red lever out of the notch* and start the electronics. If the electronics are started while the brakes are disengaged, an error message will be shown on the control box. Switch off the electronics, engage the brakes and restart the chair, and the error message will disappear.

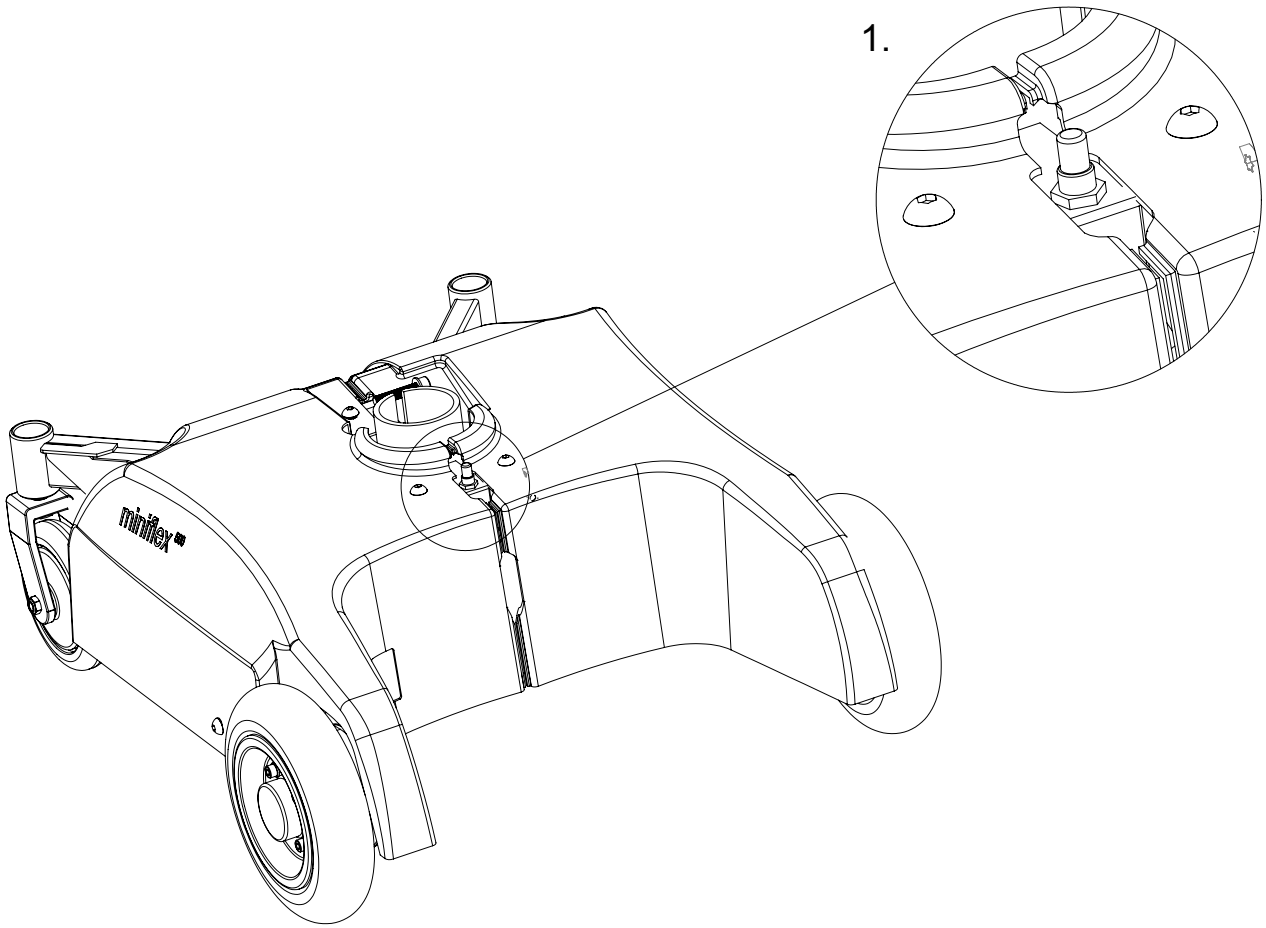
NOTE! Make sure the wheelchair is on level ground when the brakes are disconnected. Otherwise, the wheelchair may roll away.



CIRCUIT BREAKER

The circuit breaker is located between the protective covers under the seat (**1**). The circuit breaker trips if a serious electrical fault occurs in the wheelchair. The button travels out about 8 mm and a white line becomes visible. The circuit breaker also acts as a main power switch. If the wheelchair is to be put into storage for any extended period of time, the circuit breaker should be put in the tripped position.

NB When charging the batteries for maintenance, the circuit breaker must be pressed in! When transporting the chair by air, it is usually a requirement that the batteries are disconnected. The circuit breaker can be used for this purpose - set it to the tripped position.



CHARGING BATTERIES

To maintain the full battery performance for as long as possible, it is important that they are charged regularly; if the chair is used every day, the batteries must be charged daily. Do not interrupt the charging process before it is finished. Do not charge in confined, unventilated areas as there is a risk of gas build-up. Whilst the chair is in storage, the batteries should be charged about once a month to prevent them from discharging to the critical level where the charger can no longer start the charging process. Do not leave the chair charging for long periods of time as this has a detrimental effect on battery life.

Battery indicator:

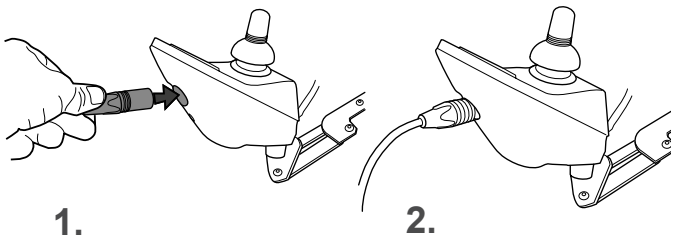
The last yellow LED goes out = max 12 mins remaining operating time (approx. 700 m).
A flashing red LED = wheelchair must not be used and must be charged immediately.

NB If the batteries are damaged, avoid all contact with them to prevent burn injury. Contact your local authorised workshop immediately!

Only use the included original batteries from Eurovema Mobility AB (Yuasa NPC2412V 24Ah).

1. Connect the charger's contact to the control unit on the chair. It is located on the front of the control unit. See Figure 1.
2. Connect the charger wall plug.
3. Check charging has started with the help of the charger's indicator lights. Information about the charger is enclosed with the charger.
4. Once charging is complete, the charger must be turned off or the plug removed from the wall socket, then charge the contact from the control box.

Used batteries should be handed in for recycling.



CARE AND MAINTENANCE

You will get more enjoyment from your electric wheelchair if it is cared for correctly. The batteries must be charged, the chair must be washed and dried, the tyres must be checked regularly, and the chair may require a drop of oil in the joints in order to prevent them seizing. It's a good idea to keep a Service Log!

CLEANING

Covers and upholstery: Normal cleaning, wash the surfaces of the wheelchair with a lightly moistened cloth or brush dipped in a mild detergent and lukewarm water. Wipe off any excess water/detergent residues using a clean and dry cloth. Repeat this procedure to remove heavy staining or dirt. If necessary, the covers may be machine washed at 60° Celsius.

Metal and plastic parts: For normal cleaning, use a lightly moistened cloth or sponge dipped in a mild detergent and lukewarm water. Wipe the surfaces and dry metal and plastic surfaces using a clean, soft cloth. If necessary, wipe surfaces with a pH neutral disinfectant. Never use solvents or abrasive kitchen cleaner or other aggressive chemical cleaners or cleaning fluids. These will damage surfaces and the structure of the material.

NB Never use a high pressure washer or steam washer when cleaning. These can cause damage to surfaces and inside materials, and may also damage the chair's electronics.

FUNCTION

Every day, check that the electric wheelchair stops automatically when the control lever is released. If you find loose screws or loose parts in any part of the chair, or you notice any changes in the way the chair behaves, these issues must be addressed immediately because as they may impact safety. If you need to repair your wheelchair, your first port of call is always the Assistive Device Centre. Make sure that all knobs and screws are tightened after making seat adjustments.

STORAGE

If the wheelchair is to be put into storage for a longer period of time without being used (a month or more), it should be stored in a clean, dry, room temperature space. The batteries should be charged about once a month to prevent them from discharging to the critical level where the charger can no longer initiate the charging process.

TRANSPORT OF MINIFLEX

When transporting the Miniflex in motor vehicles, it is important that the brakes are engaged. See section *"Releasing the brakes"*. The chair should be strapped in place with straps. As an accessory, special attachment lugs are available in which attachment straps can be fitted.

NOTE! The wheelchair is not designed to allow the user to sit in the chair whilst it is being transported. You can reduce the transport dimensions of the chair by removing the back support, armrests and leg supports.

The batteries in the wheelchair are sealed units, GEL/AMG type, and approved for transport by air A battery flight certificate can be downloaded from www.eurovema.se.

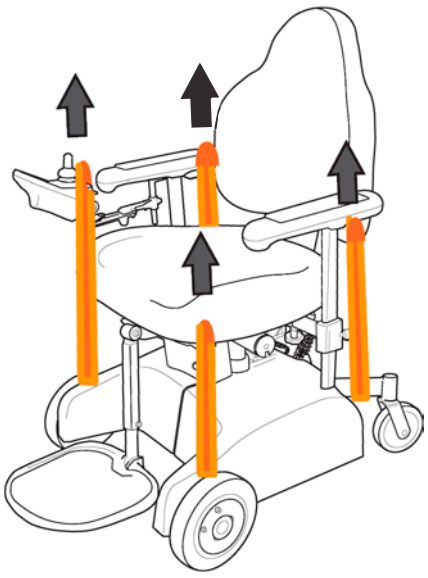
Minimum transport dimensions:

	Miniflex Standard	**Miniflex Junior**
Length	74 cm	74 cm
Width	58 cm	47 cm
Height	55 cm	55 cm
Weight	63 kg	62 kg

Component weights

Back support	5 kg
Armrest	2 kg
Seat	9 kg
Footplate	3 kg

Lifting and attachment points



Attach on both sides!

Technical facts	Data
Class	A
tested standard	SS-EN 12184:2009
test date	14.05.2014
chassis	Miniflex
max. user weight (kg)	150
drive	front wheel operation
length (mm)	740
length with footplate (mm)	920
width (mm)	580
weight (kg)	62
max. range, fully charged (km)	22
max. speed (km/h)	4.5
braking distance, forwards (cm)	100
braking distance, reverse (cm)	100
turning circle 180° (cm)	100
ground clearance (mm)	60
obstacle handling, forwards (mm)	40
obstacle handling, reverse (mm)	40
max. height safe speed reduction (mm)	50
static stability	10° / 10° / 8°
dynamic stability, upwards	6°
dynamic stability, upwards	6°
dynamic stability, lateral	6°
drive wheel, size (mm)	200 x 50Solid / Solid
link wheel, size (mm)	125
max operation time (hours)	8.5
batteries	2x12V-18Ah Yuasa AMG
charging time (hours)	6-8
charger	ECB-401 Easy Buddy 4A
control system	LiNX or PG-Rnet
seat height 180mm actuator	44 – 69*
seat size, width x depth (cm)	40x40, 40x45, 45x45, 45x50, 50x50
seat height 250mm actuator (cm)	52 – 77*
Seat size, child, width x depth	29x32, 32x36, 36x40, 40x40, 40x45
seat width between armrests (cm)	36-54
seat depth (cm)	29 – 54
seat tilt, forwards - backwards	-20 - +16°
back support, size, width x height (cm)	37x43, 47x47
back support, angle adjustment -8° - +32°	
seat and leg support tilt	97° to 168°
elec. / manual	80° to 180°
back support, child, size x height, cm30x37, 37x43	
head rest, size (cm)	25 x 8
armrest, height adjustment (cm)	0-30
armrest plate, size (cm)	31 x 8
cover, colour	black

**+ 6cm fill*

TROUBLESHOOTING

Problem?	Remedy!
Does the wheelchair refuse to start?	
Has the automatic circuit breaker tripped?	Check the automatic fuse - see manual!
Are the batteries flat?	Charge the batteries - see manual!
Are the cables loose?	Contact the Assistive Device Centre!
Are the batteries not charging?	
Has the circuit breaker tripped?	Check the circuit breaker - see manual!
Are the batteries completely discharged?	Contact the Assistive Device Centre!
Is the charger faulty?	Contact the Assistive Device Centre!
Does the battery level indicator fall quickly even though the batteries have only just been charged?	
Are the batteries becoming worn?	Contact the Assistive Device Centre!
Is there a fault in the electronics?	Contact the Assistive Device Centre!
Is the status LED on the control box flashing?	
Have the electronics been started when the brakes on the chair were disconnected?	Switch off and engage the brakes - see manual
Is there a fault with the wheelchair?	Contact the Assistive Device Centre!
Is the wheelchair moving slowly?	
Has the correct operation program been selected?	Choose a faster run program - see manual!
Is the wheelchair unable to drive or move over obstacles?	
Has an operation program that is too slow been selected?	Choose a faster run program - see manual!

Fault and diagnostic codes, LINX

If there is a fault in the system when it is started, the status light will flash red. You can diagnose the fault using the following troubleshooting guide. The number of flashes indicate the type of fault. The electronic drive system must be turned on before you start troubleshooting.

Light code	Fault	Action
1	Fault in operation box	• Check cables and connections. • Contact your supplier
2	Network or configuration fault	• Check cables and connections. • Charge the batteries. • Check the charger. • Contact your supplier
3	Fault in left hand motor	• Check cables and connections. • Contact your supplier.
4	Fault in right hand motor	• Check cables and connections. • Contact your supplier.
5	Fault in left hand magnetic brake	• Check cables and connections. • Check that left hand magnetic brake is activated. • See the chapter "RELEASING BRAKES" in the manual. • Contact your supplier.
6	Fault in right hand magnetic brake	• Check cables and connections. • Check that right hand magnetic brake is activated. • See the chapter "RELEASING BRAKES" in the manual. • Contact your supplier.
7	Module fault	• Check cables and connections. • Check the modules. • Charge the batteries. • If the wheelchair has stopped, you can reverse or remove the obstacle. • Contact your supplier.

FAULT CODES, PG-Rnet

In the event of operational disruption, the LEDs in the battery indicator (3) will start to flash. The number of flashing segments provides an indication of the possible source of the fault. If the fault cannot be rectified and the chair can no longer be operated, please contact your Assistive Device Centre.

1 segment flashes: Battery voltage too low.	Charge batteries immediately. Check battery connections.
2 segments flash: Contact with left hand motor is interrupted.	Check motor cable and contact, as well as the motor itself.
3 segments flash: Electric cable to left hand motor is broken.	Check motor cable and contact, as well as the motor itself.
4 segments flash: Contact with right hand motor is broken.	Check motor cable and contact, as well as the motor itself.
5 segments flash: The electric cable to right hand motor is broken.	Check motor cable and contact, as well as the motor itself.
6 segments flash: Operation lock is activated.	The start lock is an electronic safety device that prevents operation whilst the battery charger is connected.
7 segments flash: There is a fault in the system or joystick. – Activating the joystick during connection or the control box test phase will also produce this error message.	The control or power module is defective.
8 segments flash: The control box or electronics are defective, or there is also a system fault.	Check cables and contacts.
8 segments and LEDs illuminate in the wheelchair symbol: A setting has been incorrectly adjusted.	If two different adjustments are being made, you must check which works and the cable connections at this time.
9 segments flash: Fault in motor magnetic brakes. – This error message may also be displayed if the release lever is in the released position.	Move the lever to operation position.
10 segments flash: Battery voltage too high (chair run on downward slope).	Run the chair slowly on downward slopes. Check battery connections.

Reconditioning and reusing the wheelchair

This wheelchair is suitable for reconditioning and reusing. This means that if the wheelchair is no longer used by the original user, it can be renovated for use by another user. If you can no longer use the wheelchair, we strongly recommend that you contact your local authorised supplier to have the chair collected for refurbishment and reuse.

NOTE! Reconditioning of the wheelchair must only be carried out by an authorised individual!

The electric wheelchair must be reconditioned in accordance with the dealer's reconditioning instructions. This includes replacing all upholstery, complete disinfection of all parts of the product, and a complete technical examination of the wheelchair and all its accessories.

Warning! Hazardous products
Disinfectants may only be used by authorised personnel. All parts of the wheelchair may be cleaned using disinfectant.

Scrapping the wheelchair

If you are no longer using your wheelchair, contact your authorised dealer who will take care of recycling your wheelchair.

If you want to take care of the recycling yourself, ask you local municipal waste management company about the rules that apply in your location.

Materials and source separation

1. Metals

- chassis
- swivel wheels
- seat cross
- lift actuator
- armrest tube
- joystick holder
- leg support
- head rest
- back support
- protective plate, chassis
- electronics plate
- free-wheel brake plate
- rim
- axles
- bearings
- brake wires
- spacer washers
- washers
- bolts, screws, and nuts

2. Combustible Material

- fabric cover
- cellular plastic
- swivel wheels
- drive wheel
- adjustment knob
- rubber bushings
- protective battery cover
- cable protectors
- straps and belts
- grommets
- armrest plates

3. Wood

- plywood seat
- plywood back support

4. Electronics

- power module
- control box
- actuator
- drive motors
- lift motor
- circuit breaker
- hour counter
- cables

5. Hazardous waste

- batteries

Eurovema