

Magix II

User Manual



Magix II

User Manual

Electric wheelchair

Serial number:

Date of purchase:

Your specialist

Introduction

Dear User,

We thank you for the trust you place in us by opting for the *Magix II*. This electric wheelchair of innovative design with six-wheel drive was born from the lived experience of users to best meet their needs.

Inside, its small footprint and the "turn on yourself" allows you to easily access cramped places such as bathroom, elevators, ...

Outdoors, the 6-wheel drive gives you optimal traction on uphill, downhill, wet roads and over obstacles (curbs). You can drive, brake and negotiate obstacles safely and comfortably.

We hope that this wheelchair will bring you a lot of satisfaction and help to significantly increase your independence and freedom of movement.

They will be your faithful companion for a long time if some *Magix II* elementary rules regarding its use are respected. Take care of your chair, it will give it back to you by contributing daily to your autonomy. Adapt you're driving to the situations and the world around you, read and respect the recommendations of this manual.

Maintain your chair

- Keep your chair clean
- Have your chair serviced at least once a year by your dealer
- Perform the daily and weekly checks described in Chapters 12.1 and 12.2

Monitor tire pressure and omnidirectional wheel cleanliness

- The right tire pressure will guarantee optimal performance of your chair (2.8 to 3 bar)
- With underinflated tires, the risk of punctures is increased, and the distance traveled by the chair is reduced
- If any, remove gravel stuck in the front or rear wheels that impair comfort and may cause damage
- Refer to Chapter 16.1 for more information.

Water Warnings

- Never ride in river, stream or sea waters (nor showers and saunas!)
- The Joystick is not waterproof, protect it with a waterproof bag in case of driving in the rain
- If your chair is wet, let it dry in a warm place

Take care of your battery

The battery is an essential and expensive element of the chair

- Fully charge it every day
- Recharge your battery if you plan to store your chair for an extended period of time, and recharge it once a quarter
- Use exclusively the charger provided by NEW LIVE Mobility for Lithium battery
- Refer to Chapter 13 and 14 for more information

Importance of security

- Never travel alone when taking an unknown route and/or without dwellings
- Always communicate your itinerary to someone
- If possible, unite from your phone and use geolocation apps

Technical and security guidelines for users



Read the instructions for use carefully and follow the safety guidelines before putting your wheelchair into service. The most recent version of this manual can be downloaded from www.newlive.fr

Directives

The following guidelines serve both the personal safety of users and the safety of the product and its surroundings.



Warning:

1. The maximum user weight of 140 Kg is the maximum weight that can be transported by the chair. The weight of any luggage such as handbag or other, reduces the maximum weight of the person who uses the chair.
2. Danger of crushing injuries! During transfers the chair must be turned off, it is mandatory to turn off the electric control before settling in the chair and before leaving it!
3. Danger of injury from the winding of clothes!
4. It is forbidden to hang objects on the back of the backrest or chair, risk of tipping
5. Danger of crushing injuries, always put your feet on the pallet(s) before starting the chair!
6. It is forbidden to stand on the pallet(s) if it does not rest on the ground. Risk of deterioration of the chair with danger of injury by falling or tipping!
7. Never drive the chair with a pallet placed on the floor, risk of deterioration of the chair and risk of degradation of the floor covering.
8. Do not rotate on site on the lawn. Risk of pulling the grass and risk of deterioration of the chair.
9. Soft ground should be avoided (fine sand, mud etc.). Danger of bogged down and / or tipping and deterioration of the chair.
10. The wheelchair cannot be used on stairs, risk of tipping over and serious and irreversible injuries.

11. Nothing should hinder the rotation of the chair. Risk of deterioration of the chair and its environment in case of blockage against external elements.
12. Riding on nails, spikes or sharp objects can cause punctures and damage to bandages, risk of immobilization of the wheelchair.
13. When an LED flashes or an orange turtle is displayed (seat height above 57 cm), the wheelchair should only be used on horizontal terrain, and it is forbidden to cross obstacles or go down a sidewalk. Failover hazard
14. Do not move with the chair, in lost places or on delicate terrain, or in temperatures above +40 ° or below -15 °, or in large puddles, without the presence of a third person who can help in case of bog down or breakdown.
15. If the wheelchair is to be used in the rain it is imperative to cover the control element with a waterproof bag. Risk of failure due to humidity!
16. Do not turn off the control element while the chair is in motion. Danger of falling and crushing injuries!
17. Do not place hands in places marked with a yellow triangle, and never under the seat plate. Danger of injury with risk of finger shear!
18. The wheelchair must not be lifted on the backrest, arm rests, clothing guards or leg/footrest(s)!
19. In case of travel in a vehicle, the use of a headrest provided by NEW LIVE Mobility and authorized for transport by car is mandatory, as well as a 3-point seat belt fixed in the vehicle. The wheelchair restraint belt should not be used for car travel!
20. For safety reasons it is mandatory to respect the defined relationships between the weight of the user and the minimum adjustment of the seat depth
21. The side seat plates must not exceed the central plate by more than 14.5cm, which is equivalent to a maximum seat width of 59 cm
22. Before folding the armrest, it is imperative to check that nothing hinders its pivoting. Danger of injury and shear at the hinge of the armrest!
23. If clothing protectors are used as a transfer aid, they must not exceed the front of the seat and the load of supports must not exceed 80 kg. Danger of fall and injury.

24. If the chair is used as a passenger seat or driver's seat in a car, the use of a headrest provided by NEW LIVE Mobility and authorized for transport by car is mandatory.
25. The headrest should be adjusted to the height of the user's ears. In the event of a collision, improper adjustment of the headrest can lead to serious and irreversible injuries.
26. Activating the electric leg rest using the joystick carries the risk of pinching. Be careful to ensure that no objects get stuck between moving parts. Risk of serious injury!
27. It is forbidden to stand on the pallet(s) footrest(s) if they are not placed on the ground. Risk of falls and serious injuries.
28. Never drive the chair with a pallet placed on the floor, risk of deterioration of the chair and risk of degradation of the floor covering.
29. Never place objects in the space occupied by the elevation system. Make sure that no one, especially children, has their feet, hands or other parts of the body below the seat!
30. If you don't see under the seat, turn the wheelchair once on its axis before lowering the seat, to make sure no one is in the danger zone!
31. Take care not to jam an electrical cable when folding and putting back in place the backrest and check that the butterfly screws are tight before using the chair. Risk of wheelchair deterioration and injury.
32. For transport make sure that the vehicle is equipped with standardized inking points. When moving, the chair must always be attached to the vehicle at the 4 anchor points of the chair. Danger of crushing and irreversible injury in the event of an accident.
33. Danger of falling and crushing injuries! It is mandatory to turn off the electrical control before settling in or leaving the chair and check that the motors are not disengaged. The chair must not be on free wheels!
34. For transfers requiring more than 80 kg of support on the garment protector, it is imperative to rest the outer end of the garment protector on the transfer point or use a transfer board.
35. If you do not have sufficient muscle strength and/or balance, it is imperative to call on other people to help you make the transfer.

36. When the engines are disengaged the brakes are inactive. There is a danger of an involuntary rolling of the chair! Never put the chair in freewheel mode in a slope or hill. Risk of loss of control and serious injury. Always make sure that the engines are engaged when the chair is stationary!
37. The first exercises must be done in the presence of an accompanying person and at reduced speed, until you get used to the electric wheelchair. For the learning of the crossing of obstacles the presence of an accompanying person with the ability to hold the wheelchair in case of tipping is mandatory!
38. To overcome obstacles more than 6 cm in height, the adjustment of the seating angle shall be less than 10° and the backrest angle less than 100° to the seat plate.
39. To climb and descend slopes greater than 6 ° and to overcome obstacles with a height greater than 12 cm, the presence of an accompanying person with the ability to hold the wheelchair in case of tipping is mandatory!
40. The descent of obstacles must be done at reduced speed, with the seat in a low position. Never lower an obstacle forward with the seat tilted forward!
41. Never cross an obstacle more than 6 cm high without having stopped with the front wheels in contact with the obstacle. Risk of wheel bursting and immobilization of the wheelchair.
42. Never descend an obstacle or sidewalk with the seat tilted forward. Risk of tipping over and falling.
43. For safety reasons it is forbidden to use liquid acid batteries on the wheelchair!
44. The Magix2 cannot be carried with its battery in a plane carrying passengers! It is necessary to provide for the sending of the battery separately by a means and labeling adapted to Lithium batteries.
45. Never lift the battery by a single handle, risk of crushing injuries and deterioration of the battery.
46. When replacing the batteries, it is necessary to check that the connection of the cables corresponds to the wiring diagram.
47. After access to the battery using the release strap, it is necessary to check before using the chair that the axis of the cylinder is well locked. Risk of falls and serious injuries.

48. Never use a cracked or impact-damaged battery. Risk of an internal electronic defect that could cause a fire
49. It is forbidden to replace a fuse without informing the dealer and without his authorization. Risk of deterioration of the electrical and/or electronic parts of the wheelchair, and risk of fire.
50. For safety reasons, always leave the chair and check that it is turned off before charging it.
51. If a charging problem occurs as a result of batteries that are too discharged or old, please inform your dealer immediately to avoid possible wheelchair failure.
52. It is forbidden to use a charger other than the one supplied with the Magix2. Risk of battery failure that can lead to fire. Damage caused by the use of another charger is not covered by the warranty. Please get an original New Live Mobility charger from your retailer (contact details see first page)
53. The connected charger must always receive enough air at the level of the cooling slats. The connected charger should not be covered, placed in a box or near a heat source. Danger of overheating and risk of fire.
54. When traveling outdoors, regularly monitor battery charges and make sure you always have enough reserves for the return trip. If necessary, reduce your travel so as not to run out of batteries.
55. It is forbidden to clean the wheelchair with a high-pressure device or with a garden hose!
56. Always make sure that no dirt (earth, gravel, wood, etc.) is stuck in the wheels. Risk of wheel lock-up, engine damage and immobilization of the chair
57. If an object (gravel, piece of wood, etc.) or dirt gets stuck between the wheels of the wheels, remove it as soon as possible. Objects or dirt in the wheels can cause a break and immobilize the wheelchair.
58. For the transport of the wheelchair, it is necessary to ensure that the vehicle attachment system for the wheelchair is sized for a wheelchair weighing 140 kg. (Empty weight from 130 to 140 kg) *Magix II*

59. For any transport and movement in a car the attachment of the wheelchair is mandatory. It is forbidden to fix the wheelchair in a vehicle other than by the attachment points or lashing station recommended by New Live. Danger of tearing can cause serious injuries or lead to death in the event of a traffic accident!
60. If the wheelchair is used as a passenger seat or driver's seat in a car, it is mandatory to put the seat in a horizontal position and lower its height to the low stops and turn off the wheelchair control before attaching the mandatory 3-point belt of the car.
61. If the chair is used as a passenger seat or driver's seat in a car, the use of a headrest provided by NEW LIVE Mobility and authorized for transport by car is mandatory, as well as a 3-point seat belt fixed in the vehicle. The wheelchair restraint belt should not be used for car travel!
62. The headrest should be adjusted to the height of the user's ears. In the event of a collision, improper adjustment of the headrest can lead to serious and irreversible injuries.
63. For transport, as far as possible, it is preferable to install the wheelchair user on a seat of the vehicle and store the wheelchair in the trunk.
64. During transport in a vehicle, it is necessary to remove all the additional and removable components of the wheelchair, such as therapeutic tablets, canes, ...
65. No modification or substitution shall be made to the anchor points or structural components of the chair without first seeking the opinion of the manufacturer.
66. In the event of an accident or impact, the chair should be inspected by a NEW LIVE Mobility dealer before reusing it.
67. For carriage in a vehicle, with a 4-point lashing system, the angles of inclination of the lashing straps shall be within the ranges recommended in paragraph 18.5.2.
68. For carriage in a vehicle, with a 4-point lashing system, the vehicle's 3-point restraint belt must be used and put in accordance with the instructions in paragraph 18.5.3. Never use the belt or other restraint system attached to the wheelchair for transportation.
69. For transportation in a vehicle, it must be ensured that the vehicle and the wheelchair lashing system meet all the requirements for a wheelchair weighing 140 kg. (Empty weight of Magix2 130 to 140 kg depending on options)

70. Do not de-scramble the wheelchair engines while in a vehicle
71. For transport, the wheelchair seat shall be in a horizontal position and lowered to a low stop before attaching the wheelchair and positioning the vehicle's 3-point restraint belt.
72. For transport in a vehicle, the distance from the front of the seat plate to the front of the garment protectors on which the anchorage points are fixed shall not exceed 6 cm.
73. When the wheelchair is attached in the vehicle, the angles of inclination of the lashing straps and the 3-point restraint belt of the vehicle must be within the recommended ranges
74. The DAHL lashing system can only be used on vehicles approved by DAHL ENGINEERING.
75. The DAHL docking station must be assembled by authorized and qualified personnel from an approved vehicle adaptation company! A defect in assembly can lead to serious and irreversible injuries.
76. Do not drive with the vehicle if the anchorage of the chair is not locked and if the green LED is not lit. Risk of serious and irreversible injury in the event of an accident.
77. Once the chair is locked in the vehicle, it is mandatory to place the seat horizontally and lower the lift to a low stop before positioning the 3-point restraint system of the vehicle.
78. With the Dahl lashing station, the vehicle's 3-point restraint belt must be used and put in accordance with the instructions in paragraph 18.6.1. Never use the belt or other restraint system attached to the wheelchair for transportation.
79. If the lock or unlock fails, contact the adapted vehicle company that fixed the lashing station in your vehicle. Only authorized and qualified persons may intervene on the DAHL lashing device.
80. With the use of double rail ramps, it is necessary to ensure that they are wide enough and located under the anti-rocker castors. Danger of tipping if the castors cannot lean on the ramps!
81. It is strongly discouraged to use removable ramps to mount a wheelchair with its user in a vehicle.

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1. General guidelines

**The company NEW LIVE Mobilité declines all responsibility or guarantee for any attempt not taking into account the conditions mentioned in this manual and causing occasional damage to the wheelchair, its user or its entourage!
The company NEW LIVE Mobilité has the possibility to choose a court if necessary.**





1.1 Armchair identification plat

The armchair identification plate is his identity card. It is glued to the chassis at the front of the battery.

The following important information can be found:

- The armchair model
- The serial number of the chair. This number is to be communicated for any problem or maintenance intervention
- The maximum user weight. This information corresponds to the maximum weight that can be transported by the chair. The weight of any luggage such as handbag or other, reduces the maximum weight of the person who uses the chair
- The maximum safety slopes
- A reminder to read the content of the user manual

- The product complies with the CE standards in force

Fabricant Hersteller Manufacturer	NEW LIVE MOBILITE SAS 2, rue de Soufflenheim 67660 Betschdorf - France		
Model: Magix2	Numéro de série / Serial number: 00000001		
Date de production / Prod. date (yyyy mm dd):	2021 09 01		
Poids maxi utilisateur Maximale zuladung Maximum user weight	140 Kg 309 Lbs	Pente maxi Steigfähigkeit Maxi slope	6°
 Magix200000001		  	



1.2 User

The is an autonomous wheelchair powered by electric motors. It is used for medical purposes to allow people with reduced *Magix II* mobility, with the required abilities, to gain autonomy.

Indications:

The *Magix II* can be used by people who cannot walk or whose mobility is limited due to:

- Paralysis
- Amputation or deformation of the lower limb
- Contractures or joint injuries
- Diseases such as muscular, cardiac, circulatory deficiencies, balance disorders, etc.

Contraindications:

The wheelchair must not be used in case of:

- Insufficient cognitive abilities
- Perception disorder
- Inability to sit
- User weight greater than 140 kg

Caution:



The maximum user weight of 140 Kg is the maximum weight that can be transported by the chair. The weight of any luggage such as handbag or others, reduces the maximum weight of the person who uses the chair.

1.3 Wheelchair use

The wheelchair must carry only its user. It is forbidden for any third party to play with the wheelchair inappropriately (e.g., children) or to climb on the footrest(s), the back of the wheelchair, the wheels or the mudguards. Clothing, bags or the like shall not hang and shall be attached to the wheelchair with a sufficient safety distance to the wheels and other movable parts.

It is forbidden to hang objects (e.g., bags) on the back of the backrest or on the back of the chair. The extra weight could cause the chair to tilt backwards when climbing or overcoming an obstacle.

Always put your feet on the footrest(s) before starting the chair, risk of injury by crushing when moving the chair! It is forbidden to stand on the pallet(s) if it does not rest on the ground. Risk of deterioration of the chair with danger of injury by falling or tipping!

Adaptations of driving parameters can be performed by your dealer (only). Improper conduct can be dangerous. All of them are equipped, at the time of sale, with *Magix II* standard driving parameters that do not represent any danger to the driver. For any changes to your dealer, please contact your dealer. (Contact details on page 1).

Caution:



Danger of injury from the winding of clothes!



It is forbidden to hang objects on the back of the backrest or chair, risk of tipping!



Danger of crushing injuries, always put your feet on the pallet(s) before starting the chair!



It is forbidden to stand on the pallet(s) if it does not rest on the ground. Risk of deterioration of the chair with danger of injury by falling or tipping!

1.4 Usage environment

The wheelchair *Magix II* is a wheelchair for indoor and outdoor use, it is an all-road wheelchair, but not off-road.

- The chair can be used on hard terrain such as roads and paths. It can be used on a dry and mowed lawn while avoiding rotations on site (caterpillar effect, with tearing of the grass and risk of deterioration of the chair).
- Soft ground should be avoided (fine sand, mud, gravel tank, wet lawn, etc.). Swerving, tipping and deterioration of the chair. Journeys and especially. ep turns can be dangerous (danger of overturning!). The maximum safety slope of 6° must be respected at maximum speed and the maximum weight of the user must not exceed 140 kg. At reduced speed (less than 5 km/h) a slope of 6 to 10 ° can be climbed and lowered
- The wheelchair cannot be used on stairs, risk of tipping over and serious and irreversible injuries.
- The wheelchair must be used in places adapted to its size and nothing must hinder its rotation. Risk of deterioration of the chair and its environment in case of blockage against external elements.
- Riding on nails, spikes or sharp objects can cause punctures, damage bandages and immobilize the wheelchair.
- When on the control element a flashing LED or an orange turtle is displayed (seat height above 57 cm), the wheelchair should only be driven on horizontal terrain, and it is forbidden to cross obstacles or go down a sidewalk. Danger of failover.
- Temperatures above +40°C and below -15°C can affect the permanent operation of the wheelchair. If it is used in such temperatures, its safety cannot be guaranteed, and possible malfunctions cannot be excluded. These temperatures are allowed in case of storage, during a shipment or on short journeys.
- High air humidity particularly harms electronic components (control). This results in condensed water that can appear when the wheelchair is often exposed to temperature changes. Therefore, it is necessary to avoid exposing the wheelchair while running to very high air humidity (e.g., holidays in humid regions). Puddles deeper than 6 cm should be diverted. If they cannot be avoided (water at the level of the batteries), malfunctions cannot be excluded. For this reason, the wheelchair must be stopped at the first opportunity and the dealer must be notified immediately.
- If the wheelchair is to be used in the rain, the control element must be covered with a waterproof bag. Risk of failure due to humidity!

Mise in warning:

Do not rotate on site on the lawn. Risk of pulling the grass and risk of deterioration of the chair.



Meuble terrain should be avoided (fine sand, mud, etc.). Danger of bogged down and / or tipping and deterioration of the chair.



The wheelchair cannot be used on stairs, risk of tipping over and serious and irreversible injuries.



Nothing should hinder the rotation of the chair. Risk of deterioration of the chair and its environment in case of blockage against external elements.



Rolling on nails, spikes or sharp objects can cause punctures and damage the bandages, risk of immobilization of the wheelchair.



When an LED flashes or an orange turtle is displayed (seat height above 57 cm), the wheelchair should only be used on horizontal terrain, and it is forbidden to cross obstacles or go down a sidewalk. Danger of failover.



Do not move with the chair, in lost places and / or delicate terrain, or in temperatures above +40 ° or below -15 °, or in large puddles, without the presence of a third person who can help in case of immobilization of the chair or breakdown.



If the wheelchair is to be used in the rain it is imperative to cover the control element with a waterproof bag. Risk of failure due to humidity!

1.5 Control element

The wheelchair control does not require maintenance. Any attempt to open electrical or electronic components (control element, actuator, electronic box, etc.) is prohibited.

At the slightest doubt as to the proper functioning of the wheelchair, the dealer will be informed immediately, and the wheelchair will no longer be used in the meantime.

For any signaling of a problem, the dealer will be informed immediately. He will be able to repair it with in hand the service documents and / or the assistance of a NEW LIVE Mobility technician. It is not recommended to use a wheelchair that has a faulty control.

1.6 Cutting off the control element

Cutting off the control element during rolling causes the wheelchair to stop unexpectedly. This may lead, if necessary, to the fall of the driver. The joystick must be released, and the wheelchair must be stationary before turning off the control element.

Caution:



Danger of injuries by fall and crushing! Do not turn off the control element while the chair is in motion.

1.7 Electromagnetic fields

This electric chair has been successfully tested, in accordance with international standards, for its electromagnetic compatibility. Intense electromagnetic fields that are generated by radiant devices in a certain proximity, (e.g., large emitting installations) can cause disturbances on the *Magix II*.

1.8 Risks of pinching and shearing

There is a risk of pinching and shearing of the fingers in the following places:

- Support of arm rests and control element, parallelogram
- Leg rest mechanism
- Seat lifting and tilting mechanism
- All mechanisms under the seat plate

Caution:



Do not place your hands in places marked by this triangle, and never under the seat plate. Danger of injury with risk of finger shear!



The wheelchair must not be lifted on the backrest, arm rests, clothing guards or leg/footrests!

2 Warranty conditions

The following warranty offer takes effect from the date of ex-works delivery:

- Electrical and electronic parts (e.g., control/cylinders/motors): 2 years
- Mechanical defects (material and manufacturing defects): 2 years
- Lithium batteries (70% capacity): 3 years

The warranty applies only to the free replacement of parts with a manufacturing defect. The working time carried out is the responsibility of the reseller. The spare parts again become the property of the Company NEW LIVE Mobility.

Other claims are excluded, in particular those concerning reductions, indemnities or prohibitions.

Warranty claims are to be made to the dealer who sold this wheelchair (contact details see first page).

Disclaimer of Warranties

The following damages are excluded from the warranty:

- Damage that was not immediately reported to NEW LIVE Mobility
- Damage caused by abuse, improper use, maintenance, or control
- Damage caused by failure to follow the instructions for use (e.g., inadequate connection to the charger, failure to comply with battery charging recommendations, etc.)
- Damage that may result from product modifications
- Damage that may result from the non-use of the original NEW LIVE Mobility spare parts or original NEW LIVE Mobility accessories, as well as improper assembly
- Wear parts apply to tires, wheel rollers, brake linings, toothed belts, engine brushes, seat and backrest coverings, etc.

NEW LIVE Mobility grants itself the right to refuse possible warranty requirements after a detailed verification.

3 Life Span

NEW LIVE Mobility estimates the lifespan for this product at 5 years, provided that:

- The wheelchair is used in strict accordance with the use for which it is intended as described in this document
- All maintenance and service requirements are met.

The estimated service life may be exceeded if the product is used carefully and properly maintained, provided that technical and scientific progress does not lead to technical limitations.

The service life can also be significantly reduced in case of extreme or incorrect use.

The fact that we estimate the lifespan of this product does not constitute an additional guarantee.

4 Delivery – purchase of wear parts

The delivery and commissioning of the electric wheelchair with the seat settings is done only by the dealer. The delivery must include the following elements:

- Chair in running order with the seat set to the size of the user (equipped with any options according to command)
- A head rest with its fixation
- A shoulder restraint belt
- An electric seat lifts
- A road lighting kit
- A battery charger for connection to the 100 to 240 v grid.
- Instructions for use

You can order wear and spare parts from your dealer (contact details see the first page).

5 Accessories and special equipment

For any accessory or special equipment, your dealer is at your disposal for the appropriate information (contact details see first page).

Notes: The chair is equipped with a mandatory headrest when traveling in a vehicle. For your safety the chair is equipped with a seat belt. It is strongly recommended to wear the restraint belt that provides stable support in case of descent or sudden braking. However, the wheelchair retention belt must not be used when travelling by car and does not replace the mandatory 3-point seat belt in cars!

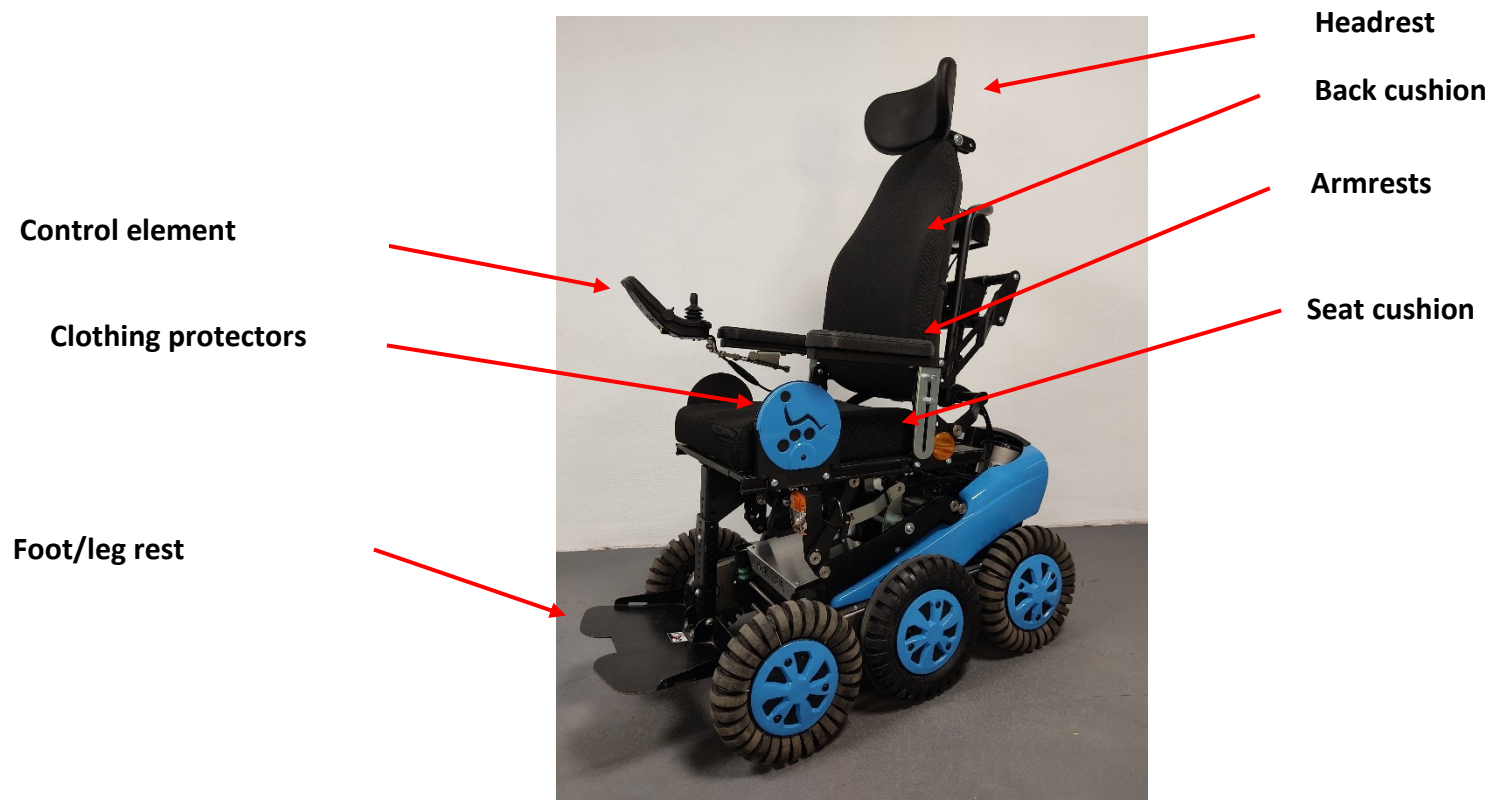
Caution:



In case of travel in a vehicle, the use of a headrest provided by NEW LIVE Mobility and authorized for transport by car is mandatory, as well as a 3-point seat belt fixed in the vehicle. The wheelchair restraint belt should not be used for car travel!

6 Seat settings

The wheelchair offers you a multitude of adjustment possibilities so that you can find the ideal sitting and driving position. *Magix II*



6.1 Depth of the seat

For safety reasons it is mandatory to respect the relationship between the user's weight and the minimum seat depth adjustment defined below:

- Seat depth adjustment less than 400mm = Maximum user weight 75 kg
- Seat depth adjustment from 400mm to 450mm = Maximum user weight 100 kg
- Seat depth adjustment from 450mm to 550mm = Maximum user weight 140 kg



To adjust the seat depth, it is necessary to:

- Loosen the 2 screws on each side by 2 turns
- Hold the backrest and slide it forward or backward at the desired distance
- Check that the 2 sides are at equal distance from the back of the seat
- Tighten the screws

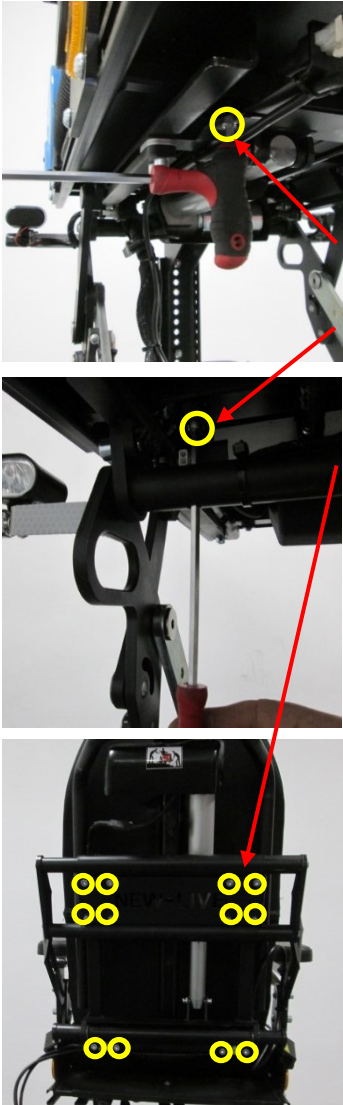
Note: The armrest attachment plate must not exceed the end of the rail.

Caution:



For safety reasons it is mandatory to respect the defined relationships between the weight of the user and the minimum adjustment of the seat depth

6.2 Seat plate width



To adjust the width of the seat plate you must:

- Put the seat in a horizontal position
- Loosen the 2 left and right sided point screws at the back under the seat with a BTR 5 wrench
- Loosen the 2-point screws on the left and right sides at the front under the seat by passing a BTR 5 key through the tube openings under the seat (the seat plate must be in a horizontal position)
- Loosen the 12 BTR screws on the backrest
- Slide the left and right seat plates to the desired measurements
- Check that the two plates are parallel and at equal distances from the central plate
- Tighten the 4 sharp screws under the seat
- Check the centering and verticality of the folder (correct if necessary)
- Tighten the 12 BTR screws on the back of the backrest

Caution:



The side seat plates must not exceed the central plate by more than 14.5cm, which is equivalent to a maximum seat width of 59 cm.

6.3 Armrests

The wheelchair is equipped with armrests that can be lifted, adjustable in height, inclination, depth and width. *Magix II*

To raise the armrest, pull the front of the armrest upwards and rotate it backwards. Conversely for the fold.

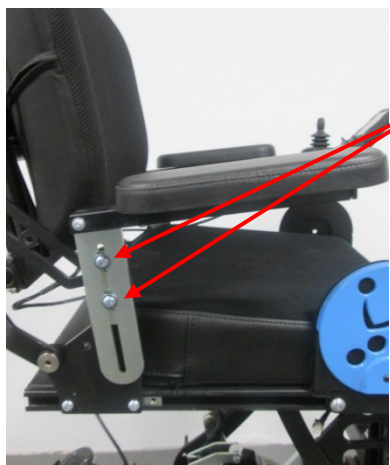
Be careful before folding the armrest check imperatively that nothing hinders its pivoting. Danger of shear at the hinge of the armrest!

Caution:



Before folding the armrest, it is imperative to check that nothing hinders its pivoting. Danger of injury and shear at the hinge of the armrest!

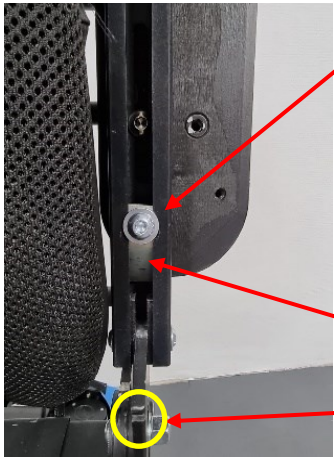
Adjustment of the height of the armrests:



To adjust the height of the armrests it is necessary to:

- Loosen the 2 screws on the armrest pillar
- Slide to the desired height
- Tighten the 2 screws

6.3.1 Adjusting armrest tilt



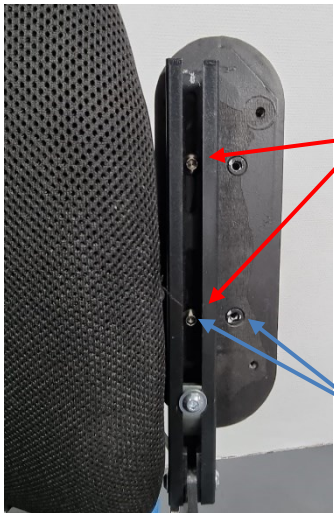
To adjust the inclination of the armrests it is necessary to:

- Loosen the screw under the armrest
- Slide the metal pad with the screw forward to lower the front of the armrest or backwards to raise the front of the armrest.
- Tighten the screw

It is possible to block the armrest at 90 ° in relation to its support, for this it is necessary:

- Loosen the screw
- Flip the threaded wafer (part folded forward)
- Lowering the armrest
- Move the pad back into the notch of the pillar
- Tighten the screw

6.3.2 Deep and wide adjustment of armrest cuffs



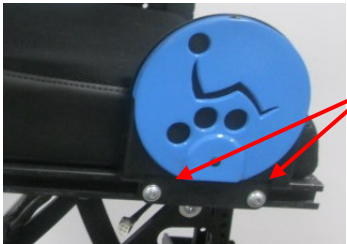
To move forward or backward the cuff of the armrest it is necessary to:

- Loosen the 2-armrest cuff fixing screws
- Slide the cuff forward or backward to the desired position
- Tighten the screws 2

To change the wide position of the armrest cuff, you must:

- Unscrew and remove the 2 fixing screws of the armrest cuff
- Shift and/or flip the cuff to fit the desired position relative to the threaded inserts
- Screw the 2 screws in the inserts corresponding to the desired position
- Tighten the 2 screws

6.4 Clothing protectors



To change the position of the clothing protectors it is necessary

- Loosen the 2 screws
- Slide to the desired location
- Tighten the 2 screws



The clothing protectors can be folded outwards and serve as a cup holder and *Magix II* transfer aid up to a maximum load of supports of 80 kg.

If clothing protectors are used as a transfer aid they must not protrude beyond the front of the seat.

To fold down the clothing protector, you must:

- Pull the garment protector upwards
- Turn outwards and rotate it to the horizontal position



To raise the clothing protector, it is necessary to:

- Lift the garment protector to the outside and then rotate it inwards to the vertical position
- Push the garment protector down to block it

Caution:



If the garment protectors are used as a transfer aid, they must not exceed the front of the seat and the load of supports must not exceed 80 kg. Danger of fall and injury.

6.5 Headrest



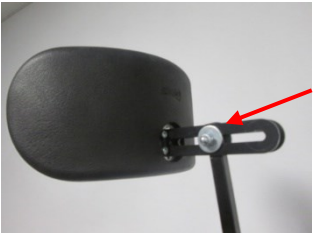
Note: If the chair is used as a passenger seat or driver's seat in a car, the use of a headrest provided by NEW LIVE Mobility and authorized for transport by car is mandatory.

The headrest should be adjusted to the height of the user's ears. In the event of a collision, improper adjustment of the headrest can lead to serious and irreversible injuries.



To adjust the height of the headrest, you must:

- Loosen the butterfly screw on the backrest
- Adjust the headrest to the desired height
- Tighten the butterfly screw



To adjust the depth and inclination of the headrest, you must:

- Loosen the screw
- Adjust the headrest to the desired depth and inclination
- Tighten the screw

Caution:



If the chair is used as a passenger seat or driver's seat in a car, the use of a headrest provided by NEW LIVE Mobility and authorized for transport by car is mandatory.



The headrest should be adjusted to the height of the user's ears. In the event of a collision, improper adjustment of the headrest can lead to serious and irreversible injuries.

6.6 Foot / leg rest

For ease of transport and transfers, the wheelchair is equipped with a lifting monobloc footrest pallet or two lifting half pallets (optional), adjustable in different positions. *Magix II*



To raise the one-piece footrest pallet, you must lift the front of the pallet and bring it up and backward. Conversely for the fold.



To raise the half pallets, it is necessary to lift the front of each of the pallets and bring it back up and backward. Conversely to fold them down.

6.6.1 Settings of the pallet or pallets footrest:



Adjustment of the tilting of the monobloc footrest pallet:

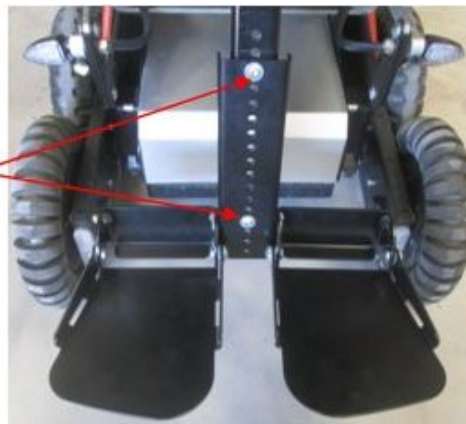
To change the inclination of the footrest pallet it is necessary to screw or unscrew the 2-pointed screws.



Adjustment of the inclination of the half pallets footrests:

To change the inclination of the half pallets footrests it is necessary:

- Loosen the screws 1
- Place the pallet at the desired inclination
- Tighten the screws 1



Height adjustment of the footrest pallet(s):

To change the height of the pallet(s), you must:

- Unscrew the screws 1 (hold the nuts at the back of the stem)
- Place the pallet holder at the desired height
- Screw the screws 1

6.6.2 Electric leg rest (optional)

To access the control of the functions of the electric leg rest, refer to chapter 8 of the user manual.

Function descent and ascent of the pallet(s):

Pushing the joystick backwards, the paddles descend to the ground on an 11cm stroke. This makes it possible to place the pallet on the ground to facilitate transfers when the seat is in a low position.

By pushing the joystick forward, the footrest goes up.

Note: By pushing the joystick forward when the paddle(s) footrest arrives in the high position we switch to the leg rest function.



Leg rest function:




By pushing the joystick forward, the leg rest raises the legs forward.

By pushing the joystick backwards, the footrest returns to the back.

Note: By pushing the joystick back when the paddle(s) footrests arrive in the rear position, we switch to the descent and ascent function of the paddle(s).



Caution:

-  **Activating the electric leg rest using the joystick carries the risk of pinching. Be careful to ensure that no objects get stuck between moving parts. Risk of serious injury!**
-  **It is forbidden to stand on the pallet(s) footrest(s) if they are not placed on the ground. Risk of falls and serious injuries.**
-  **Never drive the chair with a pallet placed on the floor, risk of deterioration of the chair and risk of degradation of the floor covering.**

6.7 Seat height

The seat height is controlled using an electric actuator. Refer to chapter 8 of the user manual according to the control equipping the chair.

Caution:



Never place objects in the space under the seat. Make sure that no one, especially children, has their feet, hands or other parts of the body below the seat!



If you don't see under the seat, turn the wheelchair once on its axis before lowering the seat, to make sure no one is in the danger zone!

6.8 Seat tilt

For the electric adjustment of the seat inclination, refer to Chapter 7 of the user manual.

6.9 Backrest tilt

For the electric adjustment of the inclination of the backrest, refer to Chapter 7 of the user manual.

6.10 Folder failover (optional)

To allow occasional transport in a low vehicle, the wheelchair *Magix II* may have the possibility of folding the backrest on the seat.



To fold down the file it is necessary to :

- Raise the armrests
- Necessary remove the cushion and fold the clothing guards back inside
- Unscrew and remove the butterfly screw at the bottom of the armrest on each side of the chair
- Fold the backrest on the seat, taking care not to jam an electrical cable

To put the file back in place, it is necessary to:

- Raise the backrest to the left and right stops, taking care not to jam any cable electrical
- Replace the 2 butterfly screws
- Tighten the butterfly screws sharply



Caution:



Take care not to jam an electrical cable when folding and putting back in place the backrest and check that the butterfly screws are tight before using the chair. Risk of wheelchair deterioration and injury.



For transport make sure that the vehicle is equipped with standardized inking points. When moving, the chair must always be attached to the vehicle at the 4 anchor points of the chair. Danger of crushing and irreversible injury in the event of an accident.

7 Control elements

7.1 R-Net CJSM-LED control element



The R-Net CJSM-LED control element is equipped with a standard joystick. If the control element is on, you can roll the wheelchair in all directions. The wheelchair always follows the direction that is given by the joystick. If the joystick is moved forward, the wheelchair moves forward. If you move to the left, the wheelchair will turn left. The same thing on the right and back.

The user can juggle between 5 driving speed profiles. Each driving profile can be set individually by the dealer. In case of wish for changes, you must contact the reseller (contact details see first page).

In case of failures one or more leds flashing indicating an error code. This informs of the location of the error. This error information (combination of flashing LEDs) must be communicated immediately to your dealer in order to initiate the necessary measures. You can find a list of error codes in section 20.



Road equipment keys

By pressing the keys of the road equipment, traffic lights, turn signals or warning, the desired functions will be started or stopped.

On/Off key



Press the Power button to turn on the control element when it is turned off.

Press the Power button to turn off the control element when it is turned on.

Mode key



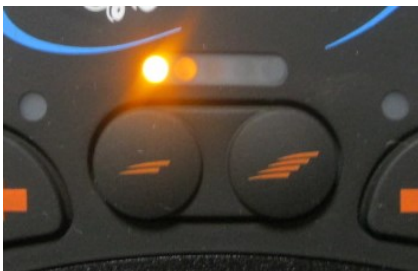
Press the Mode button to access the seat's electrical function settings

By a brief push of the joystick to the left or right you switch from one function to another.

When the desired function is selected, push the joystick forward or backward to reach the desired position.

Press the Mode button to return to driving mode.

Speed keys



The control has 5 preset speed profiles.

Press the left speed key to lower the speed and the right speed key to increase the speed.

If necessary, each profile can be set up individually by your reseller with appropriate software.



Battery charge indicator

The charge indicator informs the user about the state of charge of the battery. It is recommended to make sure that the load indicator does not fall into the last 3 red bars, so that the wheelchair does not stop unexpectedly.



Recharging batteries

The socket for connecting the charger is located on the underside of the control box. More information on charging and batteries under points 14 and 15.

Command lock function

The wheelchair has a control lock function to prevent unintentional use of the wheelchair.

To lock the command:

- 1 Turn off the control element by pressing the power button and continue pressing until you hear "beep"
- 2 Push the joystick forward until you hear "beep"
- 3 Push the joystick back until you hear "beep"

To unlock the command:

- 1 Turn on the control element
- 2 Push the joystick forward until you hear "beep"
- 3 Push the joystick back until you hear "beep"

7.2 R-Net CJSM-SW control element



The R-Net CJSM control element is equipped with a joystick. If it is on, the wheelchair can be steered in all directions. The wheelchair always follows the direction that is given by the joystick. If the joystick is moved forward, the wheelchair moves forward. If moved to the left, the wheelchair will turn left. The same thing on the right and back.

The *Magix II* comes with standard driving programs that can be chosen with the profile key. Each individual driving program can be set by the dealer so that it corresponds to the customer. These driving programs can only be individually adapted by a specialist. If you wish to make changes, please contact the dealer (contact details see first page).

In case of failure an error code is indicated on the display. This indicates where the error is located. Upon this information, please inform the dealer immediately so that he can take the necessary measures. You can find a list of error codes in section 20.



On/off key

Warning key

Horn key

Traffic lights button

Lcd

MODE key (back and forth between driving and seat settings)

PROFILE button (to select the driving profile)

Left flashing key on the left and right flashing button on the right

Speed adjustment keys - / +**Road equipment keys**

By pressing the keys of the road **equipment**, traffic lights, turn signals or warning, the desired functions will be started or stopped.

Command lock function

The wheelchair has a control lock function to prevent unintentional use of the wheelchair.

To lock the command:

4 Turn off the control element by pressing the power button and continue pressing until you hear "beep"

5 Push the joystick forward until you hear "beep"

6 Push the joystick back until you hear "beep"

To unlock the command:

4 Turn on the control element

5 Push the joystick forward until you hear "beep"

6 Push the joystick back until you hear "beep"



MODE KEY

Press the MODE button, you will access the control menu of all the electrical functions of the seat. La première fonction qui s'affiche est le réglage de la hauteur du siège (LIFT).

By a brief push of the joystick to the left or right, you switch between the different electrical functions of the seat.



When the desired setting function is selected, push the joystick forward or backward to reach the desired position.



Press the **MODE** button to exit the menu and return to driving mode.



PROFILE key

By pressing the PROFILE button, you select one of the driving profiles. The profiles can be individualized by the dealer with appropriate software.



By pressing these keys, you have the possibility in each of the profiles to adjust the speed. Slower with the left key and faster with the right key.





Electrical functions and safety

When you use the electrical functions, from a certain height of the seat, a certain angle of the seat or backrest, appears an orange turtle and then in the extreme positions a red turtle.

The orange turtle tells you that the speed of the chair is reduced for safety reasons. For the same reason, the red turtle signals that the chair can no longer move at all.



To regain the normal use of the chair, it is necessary to lower the height of the seat or reduce the angle of the seat or reduce the angle of the backrest.



Battery charge indicator

The charge indicator informs the user about the state of charge of the battery. It is recommended to make sure that the load indicator does not fall under the last 3 red bars, so that the wheelchair does not stop unexpectedly.



Recharging batteries The socket for connecting the charger is located on the underside of the control box. More information on charging and batteries under points 14 and 15.

7.3 R-Net CJSM2 control element

If your chair is equipped with the CJSM2 control element, please consult the user manual of the control attached with your chair, which can also be downloaded from the "newlive.fr" website.

8 Transfers

To reduce the risk of injury, it is recommended that you be assisted by an experienced companion while you learn how to get on and off the chair safely.

Before proceeding with a transfer, you must:

- Check that the engine brakes are engaged and that the chair is not coasting (see Chapter 10). Risk of moving the chair with risk of falling.
- Obligatory turn off the electric control of the chair. Danger of falling and crushing by involuntary displacement of the chair

Caution:



Danger of injuries by fall and crushing! It is mandatory to turn off the electrical control before settling in or out of the chair and check that the motors are not disengaged. The chair must not be on free wheels!

8.1 Lateral transfer

1. Place the wheelchair as close as possible next to the seat where you want to make the transfer (chair, bed etc.)
2. Using the lift function, if necessary, adjust the height of the seat.
3. Turn off the command.
4. If necessary, raise the footrest.
5. Raise the armrest
6. Rabatte-protects it clothing. To do this, pull the garment protector upwards, then outwards to rotate it.
7. You can transfer yourself by sliding on the clothing protector (maximum load at the end of the garment protector 80kg).

Caution:

For transfers requiring more than 80 kg of support on the garment protector, it is imperative to rest the outer end of the garment protector on the transfer point or use a transfer board.

8.2 Front-end transfer

1. Place the wheelchair in front of the seat where you want to make the transfer.
2. With the help of the lift function, if necessary, adjust the height of the seat.
3. Turn off the command.
4. If necessary, raise the footrest.
5. You can transfer yourself by leaning on the arm rests.

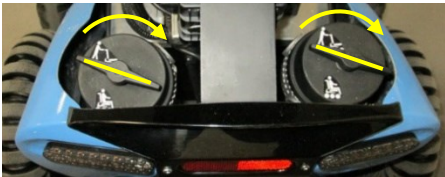
Caution:

If you do not have sufficient muscle strength and/or balance, it is imperative to call on other people to help you make the transfer.

9 Push in free wheels

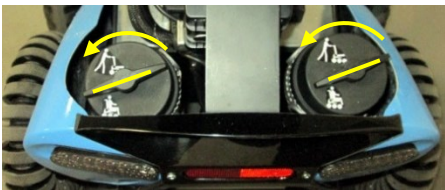
The wheelchair motors are equipped with brakes that prevent the wheelchair from rolling unchecked when the manipulator is stationary. To push the wheelchair by hand to freewheel s, these brakes must be disengaged.

On the top of each motor is a lever to disengage or clutch the respective engine. The levers must be operated only by an accompanying person. The engines must never be disengaged by the user! This ensures that the brakes are disengaged only in the presence of an assistant to secure the wheelchair and prevent it from accidentally rolling.



Disengage the engine:

Turn the lever on the engine clockwise to the stop. The engine is disengaged.



Clutch the engine:

Turn the lever on the engine counterclockwise, the engine is engaged.

Note: To run both engines must always be engaged.

If the chair is on and at least one motor is in coasting mode, the chair controls are disabled and a warning light or a "Brake error» message is displayed on the control element. This feature is intended to enhance security. It is necessary to clutch the motors after manually positioning the chair. Turnoff the chair and then on again to make the error message disappear.

Never rider in freewheel mode without being accompanied. Never put the chair in freewheel mode in a slope/hill. Risk of loss of control and serious injury.

Never try to get on and off the chair when it is in freewheeling mode. It could move with risk of falling.

Caution:



**When the engines are de-brayed the brakes are inactive. There is a danger of an involuntary rolling of the chair!
Never put the chair in freewheel mode in a slope or hill. Risk of loss of control and serious injury.
Always make sure that the engines are engaged when the chair is stationary!**

10 Lighting

The chair is equipped with an LED lighting kit, for optimal visibility and safety in road traffic.

To activate the lighting and signalling functions, refer to Chapter 7 of the user manual.

If a direction indicator fails, an error message will appear on the control element, or the diode on the steering control button on the failed side will flash faster.

11 Seat and backrest trim

The cushion that comes with the chair is held at the seat by a Velcro band. The cover can be removed and washed with warm water.

The covers of the elements of the backrest cannot be removed. Their surface can be cleaned only with fresh water or warm soapy water.

Do not machine wash cushion or backrest elements!

12 Pre-use checks

12.1 Daily checks

Verify that the battery is charged.

Check that there are no foreign bodies stuck between the castors of the front and rear wheels.

Before turning on the control, check that the joystick is not damaged and that it returns to the center when you release it.

Check that the bellows of the joystick is not torn or cracked, which may allow water to pass through. If the joystick bellows tears or cracks, replace it immediately.

12.2 Weekly checks

Test the electric brakes by following the procedure below with at least 1 m of clearance around the chair:

Turn on the control system and wait for the charge indicator to indicate the charge level

Push the joystick slowly forward until you hear the electric brakes activate. It is possible that the chair starts to move forward

Release the joystick immediately. You need to be able to hear each electric brake activate after a few seconds

Repeat this test three times, by operating the joystick backwards, left and right respectively

Verify that the tire pressure matches the values set out in Section 17.1

Inspect the condition of the tires. Inspect the chassis and positioning mechanisms to eliminate any foreign objects.

13 Wheelchair driving

Before driving the wheelchair, these instructions should be read carefully.

Practice first in a familiar place with enough space. The first exercises must be done in the presence of an accompanying person and at reduced speed, until you get used to the electric wheelchair. For the learning of the crossing of obstacles the presence of an accompanying person with the ability to hold the wheelchair in case of tipping is mandatory!

The wheelchair can safely cover climbs up to 6°. It also remains efficient, safe and stable on slopes. A short climb or descent steeper than 6° can be covered but only at reduced speed and only in the presence of an accompanying person with the ability to hold the wheelchair in case of tipping!

Obstacles up to 6 cm in height must be crossed at reduced speed and can be crossed in all directions.

Obstacles over 6 cm in height must be crossed in forward motion and at right angles. To overcome obstacles more than 6 cm in height, the adjustment of the seating angle shall be less than 10° and the backrest angle less than 100° to the seat plate. The wheelchair can safely overcome obstacles up to a height of 12cm.

Depending on the weight, size and capacities of the user heights up to 15 cm can be crossed. However, heights greater than 12 cm must not be crossed without the presence of an accompanying person with the ability to hold the wheelchair in case of tipping!

The descent of obstacles (e.g., sidewalks from top to bottom) must be done at very low speed, with the seat in a low position. To descend from large obstacles forward, it is advisable to tilt the seat backwards. Never lower an obstacle forward with the seat tilted forward!

Caution:



The first exercises must be done in the presence of an accompanying person and at reduced speed, until you get used to the electric wheelchair. For the learning of the crossing of obstacles the presence of an accompanying person with the ability to hold the wheelchair in case of tipping is mandatory!



To overcome obstacles over 6 cm in height, the adjustment of the seating angle shall be less than 10° and the backrest angle less than 100° to the seat plate.



To climb and descend slopes greater than 6 ° and to overcome obstacles with a height greater than 12 cm, the presence of an accompanying person with the ability to hold the wheelchair in case of tipping is mandatory!



The descent of obstacles must be done at reduced speed, with the seat in a low position. Never lower an obstacle forward with the seat tilted forward!

13.1 Obstacle crossing

Obstacles up to a height of 6 cm can be crossed and lowered at reduced speed without stopping.

To overcome an obstacle more than 6 cm high:

1. Make sure the footrest pallet is high enough, otherwise raise the seat so that the footrest pallet passes just above the obstacle.
2. Gently move the wheelchair forward to the perpendicular of the obstacle until you touch the obstacle with the front wheels.
3. Stop.
4. Adjust the seat inclination below 10° and raise the backrest below 100° from the seat.
5. Accelerate until the rear wheels have passed the obstacle.
6. Only let go of the joystick when the rear wheels are on the obstacle.

Note: If you are unable to overcome the obstacle and the wheelchair is blocking in the middle of the crossing, you must gently descend from the obstacle in reverse and look for another passage.

Move down an obstacle of more than 6 cm:

1. Move the wheelchair to the perpendicular as close as possible to the obstacle and stop.
2. Adjust the height of the seat to the lowest.
3. Check that the seat is not tilted forward, if necessary, bring the inclination back.
4. Move down the obstacle at a reduced speed.

Caution:



Never cross an obstacle more than 6 cm high without having stopped with the front wheels in contact with the obstacle. Risk of wheel bursting and immobilization of the wheelchair.



Never descend an obstacle or sidewalk with the seat tilted forward. Risk of tipping over and falling.

14 Batteries and fuses

14.1 Batteries

The wheelchair is equipped with a Lithium battery. Only original NEW LIVE Mobility batteries are allowed. The battery requires no maintenance. It is forbidden to use liquid acid batteries on the wheelchair!

Be careful, airlines do not accept large capacity Lithium batteries on passenger flights. NEW LIVE Mobility advises to send the battery separately from the chair by a suitable means to the place of destination and to present the chair without battery at boarding. Ditto for the return.

NEW LIVE Mobility can offer a loan and battery package to your holiday destination. To do this, contact your dealer.

If the wheelchair is not used for a long time, the battery must be fully charged, and the power connector must be disconnected from the power module (see Chapter 14.1.1). Once a quarter, a charge will be required to avoid a battery **failure**.

Note: For air travel, the airline must be notified in advance of the transport of the wheelchair. Airlines do not accept high-capacity Lithium batteries on passenger flights and the chair will be accepted in the hold only without the battery.

Caution:

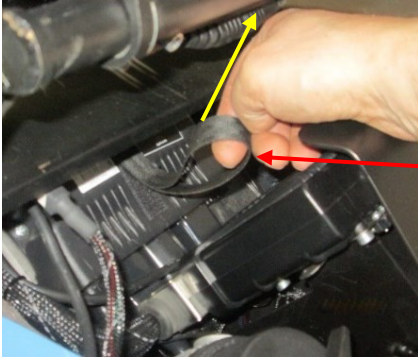


For safety reasons it is forbidden to use liquid acid batteries on the wheelchair!



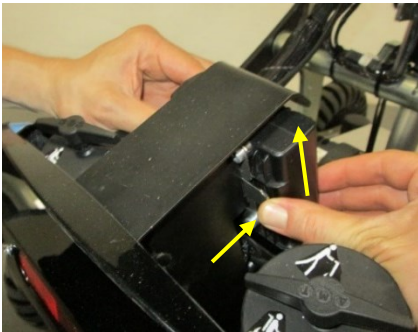
The *Magix II* cannot be carried with its battery in a plane carrying passengers! It is necessary to provide for the sending of the battery separately by a means and labeling adapted to Lithium batteries.

14.1.1 Battery replacement

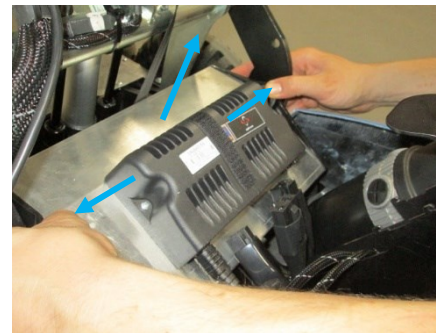
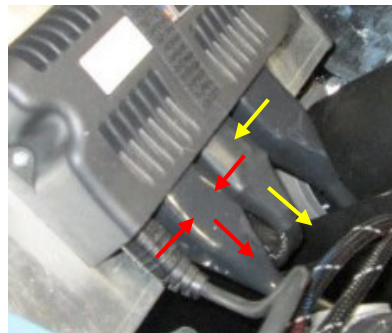
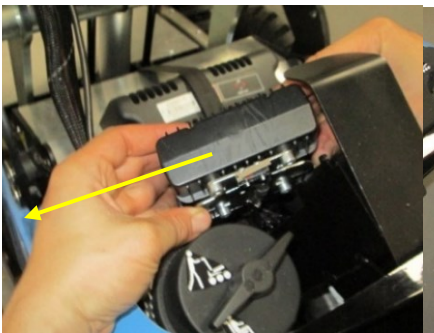


To access the battery, you must:

- Raise the seat of the chair to the maximum with the electric control.
- In the event of a cylinder failure, pull the strap on the control module sharply upwards the rear of the seat, being careful not to tilt your head over the seat. Risk of injury.
- Detach the module from the equipment by pressing the 2 metal tabs located at the back of the module and pushing it at the same time upwards, then release the module to the side of the chair.



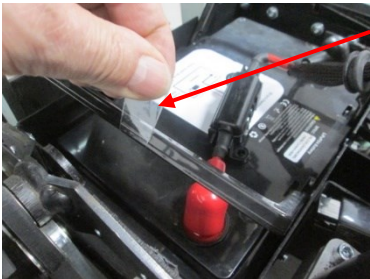
- Detach the cables from the motors and battery from the motor control module. For this it is necessary press the sides of the left and right connectors of the motors and pull the connector simultaneously to the back. For the center connector, press the top and pull it back simultaneously.
- Push out the black plastic tabs on each side of the lid and then remove it too the top with the control module.



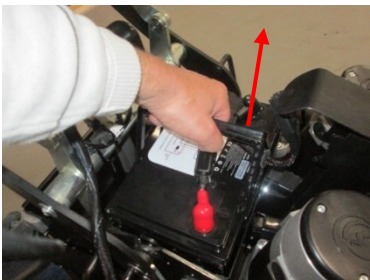


To remove the battery, you must:

- Take out the pass son of son housing



- Lift the handles to the sides using the tabs.



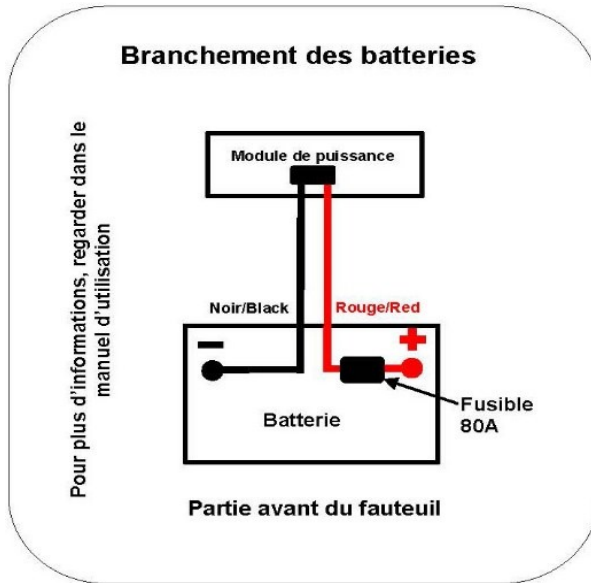
- Take the battery up using the two handles. Never lift the battery by a single handle, risk of crushing injuries and battery deterioration.

Caution:



Never lift the battery by a single handle, risk of crushing injuries and battery deterioration.

Battery connection



When replacing a battery, the original connection harness must be kept and mounted on the new battery.

To do this, it is necessary to:

- Lift the protective caps of the terminals of the old battery
- Unscrew the terminal screws and remove the battery harness
- Place the harness on the new battery respecting the connection scheme, cable red + on the terminal + of the battery and black cable – on the terminal – of the battery
- Thread the screws into the lugs and screw them onto the battery terminals
- Tighten the screws and replace the protective caps on the terminals



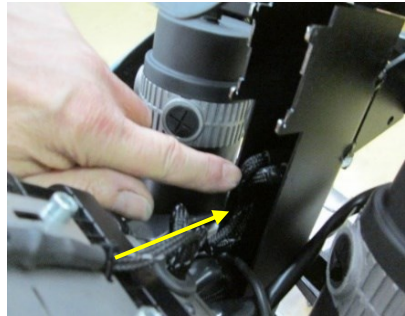
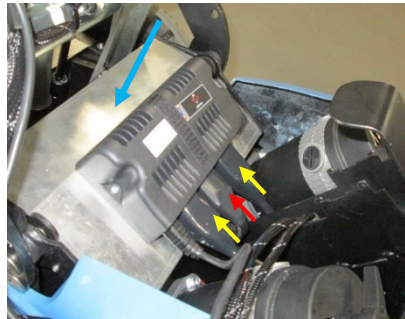
Verify that the cable connection matches the wiring diagram.

Reassembly of the battery



To reassemble the battery, it is necessary to:

- Place the battery in its tray, making sure that the terminals are bound towards the back of the chair
- Correctly reposition the battery harness wire pass in its housing on the back of the tray
- Replace the cover with the motor control module
- Reconnect the motors and battery connector (left motor on the left side, right motor on the right side and battery cable in the center). Connectors have a plug-in sense and cannot not be caught up in a bad way.
- Slide excess cables inside the bracket between motors
- Fit the accessory module on the hooks of the support
- Push the module back and down simultaneously until you hear a click.
- If the lift cylinder has been unlocked with the strap, turn on the control and activate the cylinder as for mount the seat by guiding the descent of the cylinder rod in its attachment between the two gas cylinders.
- Press the seat to engage the axis of the cylinder stem in its attachment
- Replace the cylinder release strap on the control module
- Check that the cylinder axis is properly engaged by lowering the seat using the control.



After access to the battery using the release strap, it is necessary to check before using the chair that the axis of the cylinder is well locked. Risk of fall and serious injury.

14.1.2 Battery recycling

The Lithium battery is taken over by NEW LIVE Mobility for *Magix II* recycling. In any case, the battery must always be recycled according to the regulations in force.

Caution:

 **Never use a cracked or impact-damaged battery. Risk of an internal electronic defect that can cause a fire.**

14.2 Main fuse

The chair is equipped with a main fuse calibrated to guarantee optimal operation and electrical safety. This fuse is placed in the battery compartment and can be replaced in case of interruption (overheating or overcharging of current etc.).

To replace the fuse, you must:

- Remove the battery cover (see chapter 14.1.1).
- Open the door-fuse that is located on top of the battery.
- Replace the fuse with an original New Live fuse.
- Move the chair up in the opposite direction (see Chapter 14.1.1).

Note: Any electrical problem must be reported to your dealer. In case of a fuse cut please contact your dealer to let him know the circumstances. It is forbidden to replace a fuse without having informed your dealer and without having had his authorization (contact details on the first page). Otherwise, any subsequent electrical and/or electronic damage would be excluded from the warranty.

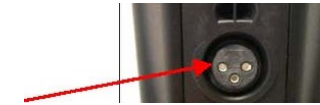
Caution:

 **It is forbidden to replace a fuse without informing the dealer and without his authorization. Risk of deterioration of the electrical and/or electronic parts of the wheelchair, and risk of fire.**

15 Charger and autonomy of the chair

15.1 Charger

The comes with its specific charger *Magix II* for the Lithium battery that equips it. Always leave the wheelchair before charging it and check that it is turned off. One cable of the charger is to be connected to the network 110 to 240 v; the other cable is to be connected to the control of the wheelchair. The catches cannot be confused. Always connect the charger to the wheelchair before connecting it to the mains.



The charging socket is located under the control element

As soon as the charger is connected to the chair and the network, the battery charge light appears on the charger. An orange LED indicates the charge level of the batteries. A green LED indicates that the batteries are charged.

To always have the maximum autonomy of the wheelchair, it is imperative to recharge the battery every night even when it is only slightly discharged. Charging stops automatically when the battery is full. The Lithium battery that equips it *Magix II* allows partial recharges during the day.

In case of heavy discharge, it is imperative to connect the charger immediately after using the wheelchair. Risk of immobilization of the chair. Always recharge the battery before a long period of non-use of the wheelchair.

If the batteries are very discharged, the charging time can reach 8 hours.



For safety reasons, always leave the chair and check that it is turned off before charging it.



If a loading problem arises as a result of a batterie that is too unloaded or old, please inform your dealer immediately in order to avoid a possible failure of the wheelchair.



It is forbidden to use a charger other than the one supplied with the *Magix II*. Risk of battery failure that can lead to fire. Damage caused by the use of another charger is not covered by the warranty. Please obtain a new live mobility exclusively original charger from your dealer (contact details see first page).



The connected charger must always receive enough air at the level of the cooling slats. The connected charger should not be covered, placed in a box or near a heat source. Danger of overheating and risk of fire.

15.2 Wheelchair autonomy

The autonomy of the chair depends strongly on the topography. Depending on the motorization, in the heart of the flat outdoor terrain, it is possible to reach 25 to 35 km. On hilly terrain about 15 to 25 km. In case of climbs about 8-15km. It is recommended to take several small breaks in case of strong climbs to avoid overheating of the engines. About 10 minutes per break so that the engines can cool. Indoor use with frequent starts, stops and small rotations reduces range in distance.



When traveling outdoors, regularly monitor battery charges and make sure you always have enough reserves for the return trip. If necessary, reduce your travel so as not to run out of batteries.

16 Cleaning

Normal dirt is to be cleaned with a damp cloth and dried with a dry cloth.

For stubborn dirt it is allowed to use a mild and diluted cleaning product (soap). Under no circumstances should furniture products, solvents or cleaning products containing alcohol be used! It is forbidden to clean the wheelchair with a high-pressure device or with a garden hose.

Note: Before each use, and after each passage on the spot where the wheels can cause dirt, it is necessary to ensure that no dirt (earth, gravel, wood, etc.) is stuck in the wheels. Risk of wheel lock-up, engine damage and immobilization of the chair.

Caution:



It is forbidden to clean the wheelchair with a high-pressure device or with a garden hose!



Always ensure that no dirt (soil, gravel, wood, etc.) is locked in the wheels.

17 Maintenance

The wheelchair does not require special maintenance on the part of the user. To ensure ideal functioning, the wheelchair should be handed over to the dealer approximately once a year.

Please pay attention to the following:

- keep the wheelchair clean
- store the wheelchair only in dry rooms
- monitors cable connections
- monitor the joystick bellows
- monitor battery charge
- report any failure of electrical functions or order to your dealer

17.1 Tires and bandages

The ro-rochair is equipped with 2 standard tires and 4 omnidirectional wheels.

For tires, it is necessary to check once a month the air pressure which must be between 2.8 and 3 bar. Inflation is done by an automobile-type valve and can be done at each gas station. Too low tire pressure affects comfort, performance, range and can damage the rims. When the tire is old it is possible that it will disintegrate. In this case, the dealer must be informed immediately.

The omnidirectional wheels are equipped with a bandage consisting of 30 solid castors. For good wheelchair mobility, the wheels must always be as clean as possible. If an object (gravel, piece of wood, etc.) or dirt gets stuck between the wheels of the wheels, remove it as soon as possible. Objects or dirt in the wheels can cause a break and immobilize the wheelchair.

Caution:



If an object (gravel, piece of wood, etc.) or dirt gets stuck between the wheels of the wheels, remove it as soon as possible. Objects or dirt in the wheels can cause a break and immobilize the wheelchair.

18 Carrying the chair in the car

18.1 Summary of applicable standards

1. EN 12184:2009 on wheelchairs

Since March 2010, the revision of the EN 12184:2009 standard on wheelchairs has entered into force. This standard states that the manufacturer of a wheelchair may only allow the transport of his wheelchair in a vehicle if the wheelchair has passed a crash test in accordance with ISO 7176-19.

2. ISO 7176-19 standard for crash tests

The crash test for wheelchairs takes up the crash test principles already applied in the automotive industry. Wheelchairs are subjected to crash tests at a speed of 48 km/h and an impact deceleration of 20 g. The anthropomorphic mannequin has a maximum weight of 75 kg (54 kg for children). To date, only frontal impacts have been simulated for wheelchairs.

3. Wheelchair attachment system and occupant restraint system in accordance with ISO 10542-2

There are different versions of wheelchair attachment systems and occupant restraint systems that comply with ISO 10542. The chair is secured by means of straps, hooks, carabiners, quickeners and other anchoring devices. The wheelchair attachment system and the occupant restraint system are also subject to crash tests. To do this, a so-called "substitute" chair is used. With this system, particular attention is paid to the weight to be retained (weight of the chair + weight of the occupant). Ensure that the wheelchair attachment system is sized for a wheelchair weighing 140 kg. (Unladen weight of the *Magix II* 130 to 140 kg)



For the transport of the wheelchair it is necessary to ensure that the vehicle attachment system for the wheelchair is sized for a wheelchair weighing 140 kg. (Unladen weight of the *Magix II* 130 to 140 kg)

18.2 Transport of the chair in a vehicle and safety conditions

The Wheelchair is approved for transport in accordance with *Magix II* ISO 7176-19, ISO 10542-1

Here you will find information about the wheelchair *Magix II* that has been subjected to crash tests. You will also find information on the transport of people in their wheelchair in a vehicle, information on the fastening systems used during crash tests, as well as the floors of the anchor points on the chair. The anchorage devices (hooks, straps, carabiners, quick attachments, etc.) of a wheelchair attachment system shall be inserted on the anchorage points indicated on the wheelchair.

The wheelchair has been tested in accordance with ISO 7176-19 and ISO 10542-1, *Magix II* using an anthropomorphic dummy of 75 kg Hybrid 2, in the direction of movement of the vehicle, with a frontal impact, with a wheelchair attachment system (4-point anchorage system and a DAHL «Docking station» quick lashing system), as well as a 3-point restraint system for the occupant (lap and chest belts in accordance with ISO 10542). During testing, the product has not been modified and does not include spare parts or accessories.

The results obtained following the tests carried out reveal that our product resists the strong impacts produced during crash tests, in accordance with ISO 7176-19. And therefore, it can serve as a seat in a vehicle.

The wheelchair may be carried with its occupant, if the vehicle is equipped with a wheelchair attachment and occupant restraint system that complies with the requirements of ISO 10542. To determine if the system you are using meets these requirements, please contact the manufacturer of the wheelchair attachment and occupant restraint system. *Magix II*

Since crash tests can in no way include all real road traffic situations and represent a fictitious test carried out in the laboratory, we always **recommend, as far as possible, to install the wheelchair user on a seat of the vehicle and to store the wheelchair in the trunk.** By design, the vehicle seat offers the highest level of safety as it is anchored to the chassis and is designed for this purpose. If wheelchairs were to be manufactured in accordance with vehicle seat requirements, they would no longer be able to fulfil their role of ensuring the mobility of persons with disabilities.

18.3 Conditions of carriage

Make sure the vehicle is properly equipped to carry a passenger in a wheelchair. The vehicle must have the necessary ground resistance to support the combined weight of the occupant, wheelchair and accessories.

For any transport and movement in a car the attachment of the wheelchair is mandatory. It is forbidden to fix the wheelchair in a wheelchair other than through the attachment points or lashing station recommended by New Live. Danger of tearing can cause serious injuries or lead to death in the event of a traffic accident!

If the wheelchair is used as a passenger seat or driver's seat in a car, it is mandatory to put the seat in a horizontal position and lower to the height to the low stops, then turn off the wheelchair control, before attaching the mandatory 3-point belt of the car.

If the wheelchair is used as a passenger seat or driver's seat in a car, the use of the headrest supplied with the wheelchair and authorized for transport by car is mandatory as well as a 3-point seat belt fixed in the vehicle. The wheelchair restraint belt must not be used for car travel.



For any transport and movement in a car the attachment of the wheelchair is mandatory. It is forbidden to fix the wheelchair in a vehicle other than by the attachment points or lashing station recommended by New Live. Danger of tearing that can cause serious injury or death in the event of a traffic accident!



If the wheelchair is used as a passenger seat or driver's seat in a car, it is mandatory to put the seat in a horizontal position and lower to the height to the low stops and turn off the wheelchair control before attaching the mandatory 3-point belt of the car.

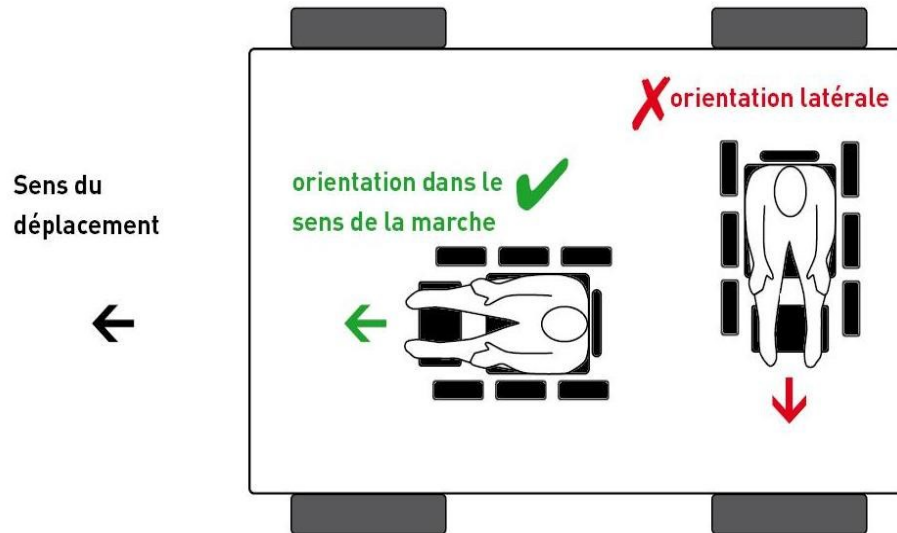


If the chair is used as a passenger seat or driver's seat in a car, the use of a headrest provided by NEW LIVE Mobility and authorized for transport by car is mandatory, as well as a 3-point seat belt fixed in the vehicle. The wheelchair restraint belt should not be used for car travel!



The headrest should be adjusted to the height of the user's ears. In the event of a collision, improper adjustment of the headrest can lead to serious and irreversible injuries. (See Chapter 6.5)

For transport, as far as possible, it is preferable to install the wheelchair user on a seat of the vehicle and store the wheelchair in the trunk



If the person is to be carried in the vehicle in his or her wheelchair and not in the seat of the vehicle, the following recommendations should be followed:

If the person is seated in his or her wheelchair, it must be forward-facing, in the direction of travel and must be secured using a wheelchair attachment system and an occupant restraint system (the systems must comply with the requirements of ISO 10542 or SAE J2249). The fastening system and the restraint system must be installed in accordance with the instructions issued by their manufacturer, as well as the instructions of the wheelchair manufacturer.

The test standard in accordance with ISO 7176-19 only provides for the transport of wheelchairs positioned in the direction of travel. Thus, the transported chairs should never be oriented laterally.

For transport, all additional and removable components of the chair must be removed and stored safely. Examples include:

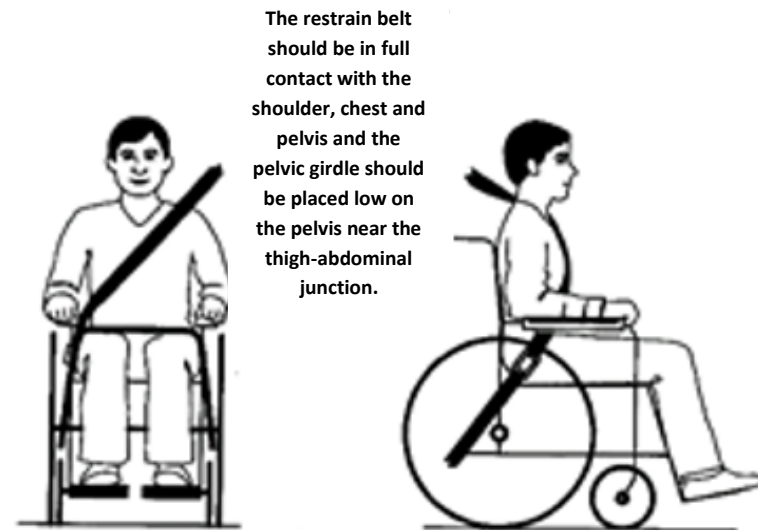
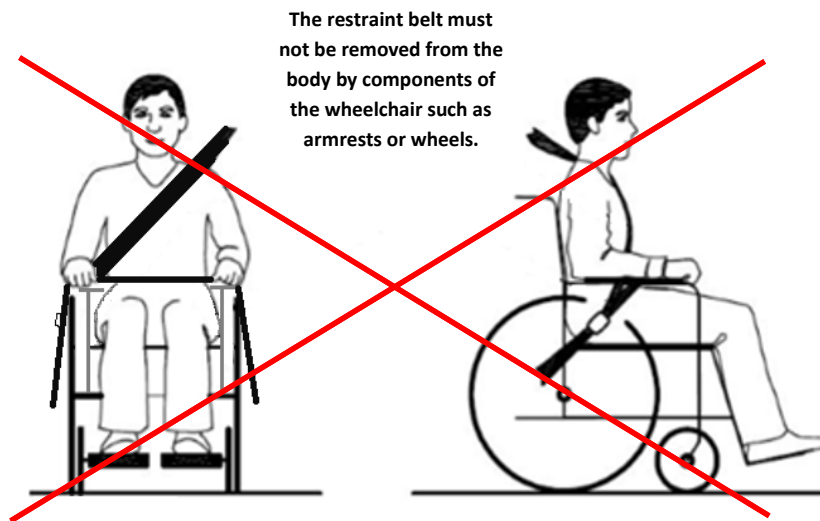
- Canes
- Therapeutic tablets

No modification or substitution shall be made to the anchorage points or structural components of the wheelchair without first seeking the opinion of the manufacturer, at the risk of rendering the wheelchair unfit for carriage on board a vehicle and rendering the manufacturer's warranty null and void.

In the event of an accident or impact, the chair should be inspected by a New Live dealer before reusing it.

18.4 Seat belt

- Belts or other occupant restraints attached to the wheelchair, i.e. holding belts, harnesses, or postural supports (lap straps, lap belts) may not be used for the restraint of occupants in a moving vehicle, whether labelled ISO 7176-19, SAE J2249, ISO 10542-1 or any other. It is mandatory to have an occupant restraint system attached to the vehicle and certified.
- A belt for pelvic and upper torso restraint, type 3 points attached to the vehicle, shall be used to restrain the occupant to reduce the possibility of shocks to the head and chest with the components of the vehicle.
- The upper torso restraint belt must fit above the midpoint of the shoulder and on the chest and must come into full contact with the shoulder, chest and pelvis.
- The pelvic girdle should be positioned low on the pelvis near the thigh-abdominal junction (in accordance with the requirements specified in ISO 7176-19:2008).
- The restraint belt shall be adjusted as closely as possible according to the comfort of the user.
- The restraint belt must not be twisted when in use.
- Care must be taken to position the 3-point seat belt buckle so that the release button is not in contact with wheelchair components while driving or in an accident.
- The restraint belt must not be removed from the body by components of the wheelchair such as armrests or wheels.



18.5 Use of the 4-point fastening system with lashing straps

To secure the wheelchair in the *Magix II* vehicle, it is necessary to use a wheelchair and occupant restraint system in accordance with ISO 10542-1, rated for the total weight of the wheelchair, including all options (130 to 140 kg). If you are using a 4-point fastening system, attach the wheelchair with 2 straps at the front and 2 straps at the back and respect the recommended inclination of the straps.

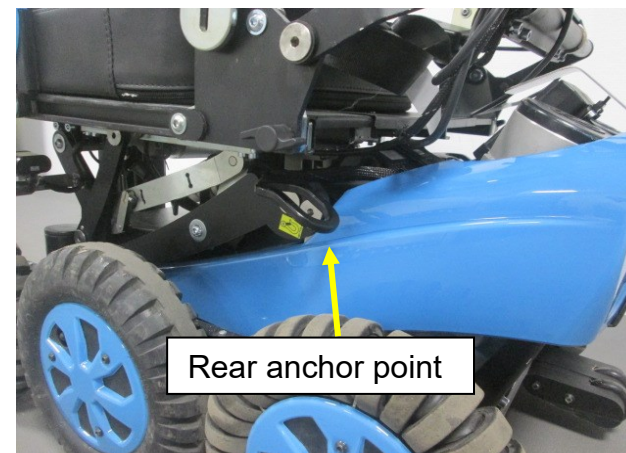
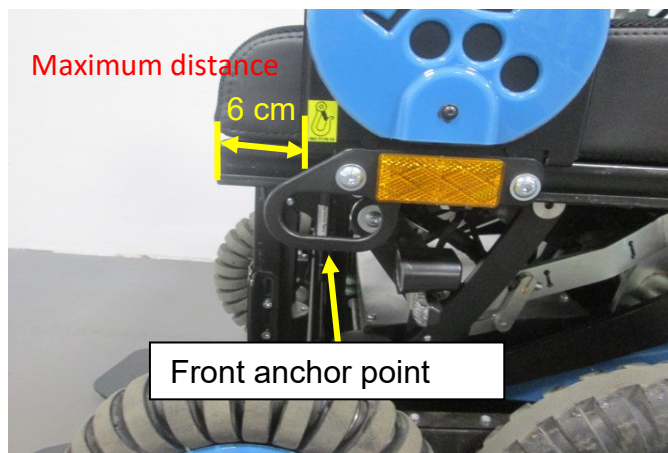
- Never use equipment that is not ISO 10542 labelled.
- Do not release the brakes from the wheelchair engines while in a vehicle.
- During transport in a vehicle, touch all the additional and removable components of the chair, such as tablet, cane, etc ...
- For transport, the seat of the wheelchair must be in a horizontal position and lowered to a low stop before attaching the wheelchair and positioning the 3-point seat belt of the vehicle.

18.5.1 Anchorage points of the 4-point fastening system



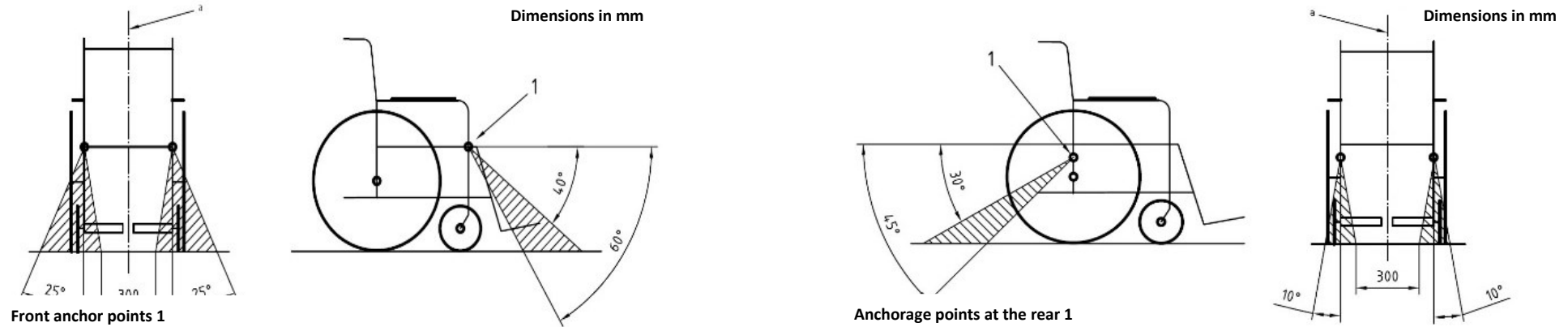
To be transported in a car, the wheelchair is equipped with four anchorage points in *Magix II* accordance with ISO 7176-19, indicated by this yellow checkmark. At the front at the level of the clothing protectors, at the rear above the rear wheels. These attachment points are used to safely lock the wheelchair in the event of an accident. It must be ensured that the vehicle used has all the required requirements.

If the *Magix II* is used as a seat in a vehicle, the distance from the front of the seat plate to the front of the garment protectors on which the anchorage points are fixed shall not exceed 6cm.



18.5.2 Recommended angles of the tie down straps

When the chair is attached to the vehicle, the lashing straps shall be located at the angles indicated below.



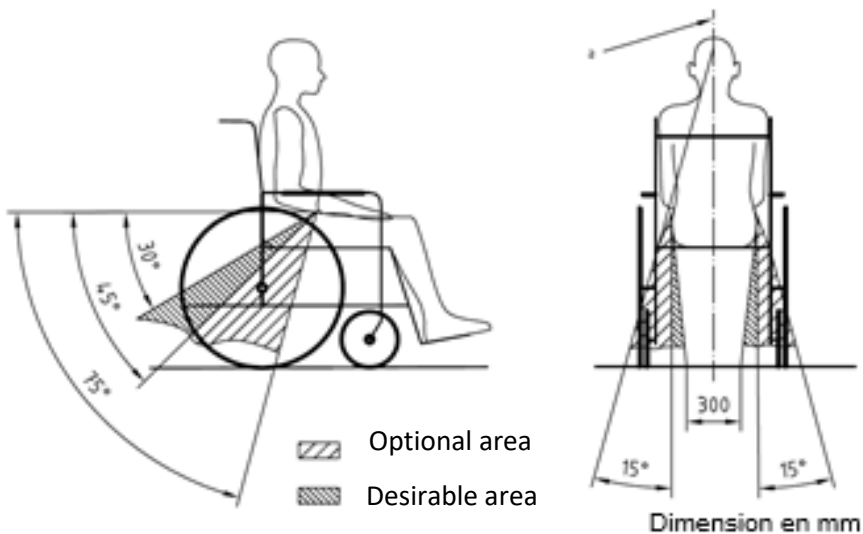
18.5.3 Positioning the 3-point occupant restraint when using it with a 4-point strap type tie down system











The pelvic restraint belt must be worn low on the front of the pelvis so that the angle of the pelvic girdle is within the area to be respected from 30° to 75° from the horizontal. It is desirable that the angle is more pronounced (larger) in the area from 45° to 75°, that is, it is closer to 75° without exceeding them.

The seat belts should never be routed over the armrests of the chair, so as to remain as close as possible to the body.

The chest belt should pass over the shoulder and not over the neck and descend diagonally through the torso.

The chest belt and the lap belt must be tightly tightened, without disturbing the user.



-  **The strap of the restraint belt shall not be twisted during use. For transport, as far as possible, it is preferable to install the wheelchair user on a seat of the vehicle and store the wheelchair in the trunk.**
-  **During transport in a vehicle, all additional and removable components of the wheelchair, such as therapeutic tablets, canes etc., must be removed.**
-  **No modification or substitution shall be made to the anchorage points or structural components of the chair without first seeking the opinion of the manufacturer.**
-  **In the event of an accident or impact, the chair should be inspected by a NEW LIVE Mobility dealer before reusing it.**
-  **For carriage in a vehicle, with a 4-point lashing system, the angles of inclination of the lashing straps shall be within the ranges recommended in paragraph 18.5.2.**
-  **For carriage in a vehicle, with a 4-point lashing system, the vehicle's 3-point restraint belt must be used and put in accordance with the instructions in paragraph 18.5.3. Never use the belt or other restraint system attached to the wheelchair for transportation.**
-  **For transport in a vehicle, it must be ensured that the vehicle and the wheelchair lashing system meet all the requirements for a wheelchair weighing 140 kg. (Unladen weight of the Magix2 130 to 140 kg depending on options)**
-  **Do not de-scramble the wheelchair engines while in a vehicle**
-  **For transport, the seat of the wheelchair shall be in a horizontal position and lowered to a low stop before attaching the wheelchair and positioning the 3-point seat belt of the vehicle.**
-  **For transport in a vehicle, the distance from the front of the seat plate to the front of the garment guards on which the anchorage points are fixed shall not exceed 6 cm.**

18.6 Use of the DAHL docking station wheelchair securement system

The chair was tested using a DAHL docking system according to **ISO 7176-19** and **ISO 10542-1 SWM**. It is turned forward in the direction of the vehicle.

This quick securement system without the help of a third party makes it easier for the vehicle occupants to secure the chair, but also allows the wheelchair user to get into the vehicle's driving position (**Only if the vehicle is compatible with a DAHL docking system**). The system is equipped with a self-locking and can be released for some time at the touch of a button

Only professional companies in the business of converting or building wheelchair accessible vehicles can order the docking system from Dahl Engineering. A qualified and experienced technician must carry out the installation. Dahl Engineering can provide vehicle specific installation instructions for a large range of vehicles, which must be respected by the fitter. Please contact Dahl Engineering for further information about approved vehicles and fitting positions. Dahl Engineering contact details are available at: www.dahlengineering.dk

DAHL docking station under the chassis of a chair



Docking station mounted in a vehicle

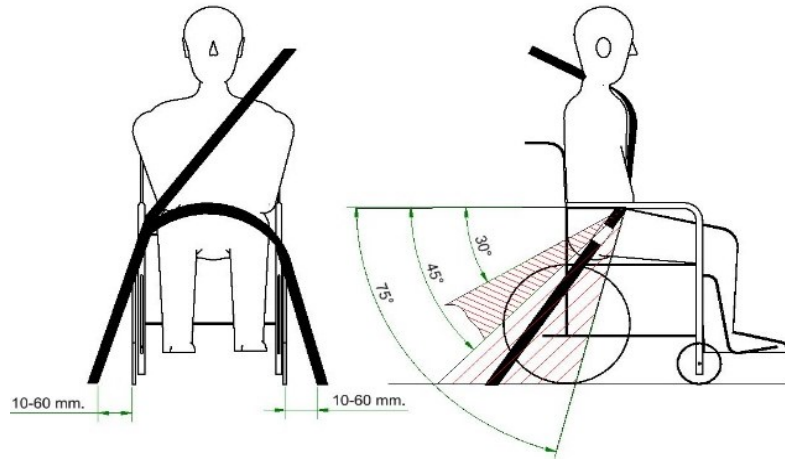


The DAHL docking system can only be used in vehicles approved by DAHL ENGINEERING!





The DAHL docking station must be assembled by authorized and qualified person from an approved vehicle adaptation company! Faulty installation can lead to serious and irreversible injuries.

18.6.1 Positioning of the occupant restraint when using it with the DAHL docking systems only



When using Magix 2 wheelchair with Dahl Docking systems, the floor anchorage points for the occupant restraint system shall be located 10-60 mm outside wheels, on each side. The pelvic belt must be worn low across the front of the pelvis so that the angle of the pelvic belt is within the optional or preferred zone of 30° to 75° as shown. A steeper (greater) angle within the preferred zone, 45° to 75° is desirable i.e. closer to, but never exceeding 75° degrees.

The chest belt and the lap belt must be tightly tightened, without disturbing the user. The strap of the vehicle's 3-point restraint belt shall not be twisted during use

 Optional area
 Desirable area



The 3-point belt of the vehicle must pass under the armrests and bypass the supports of the armrests from the front.

18.6.2 Contents of DAHL docking station kits

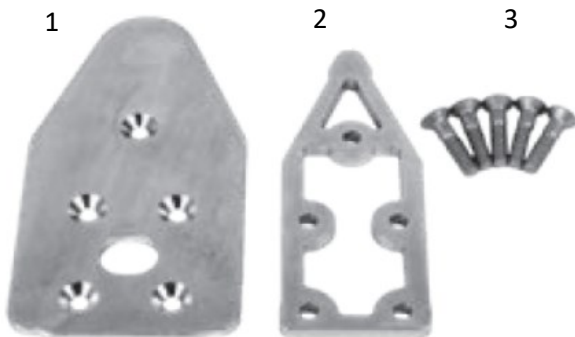
Kit Dahl Mk. II #501750



Kit Dahl VarioDock #503600



Dahl locking plate

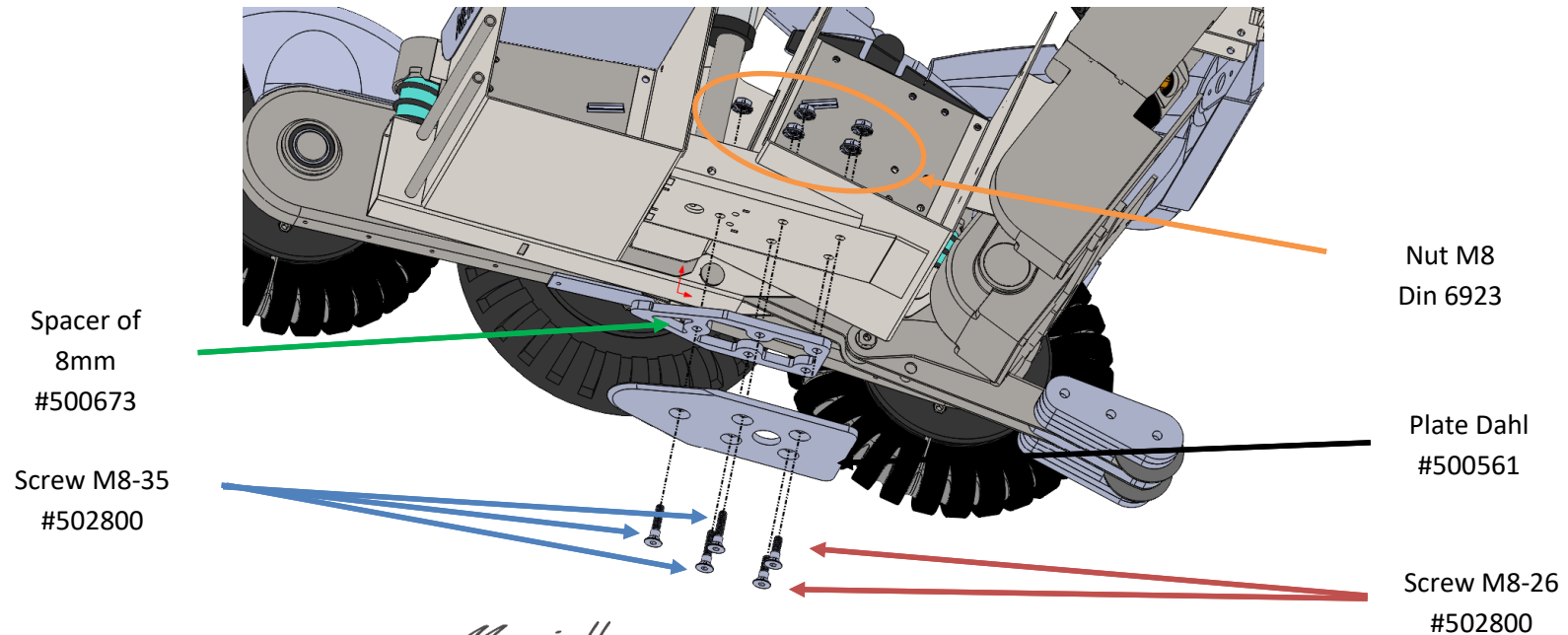


The Locking plate is identical for the docking station Dahl Mk. II and Dahl VarioDock™.

The Dahl Kit N°503125 (Supplied by Dahl Engineering) contains a locking plate (1), an 8mm spacer plate (2), 5 M8x30 screws (3) quality 14.9, torx key size 27.

Art. No. 503125

18.6.3 Mounting the DAHL lock plate on the underside of the Magix2 wheelchair



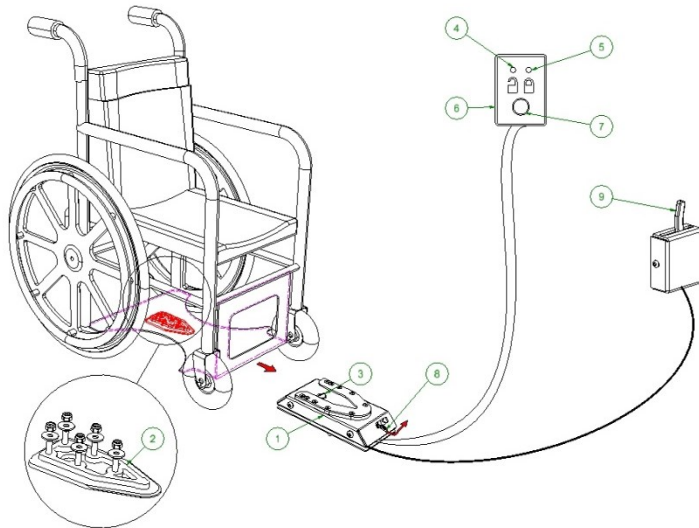
To attach the Dahl lock plate under the wheelchair *Magix II* you must:

1. Shorten 2 of the 5 M8x30 screws to 26mm.
2. Place the locking plate with the 8mm spacer under the chair as on the mounting diagram
3. Apply Loctite 243 (or an equivalent product) to the 5 screws
4. Place the 3 M8x35 long screws in the three holes on the front of the plate and the 2 short screws M8x26 on the back
5. Screw the 5 M8 DIN 6923 nuts (supplied by NEW LIVE Mobility) onto the screws inside the chair
6. Tighten the nuts to the torque of 16-18 Nm.



Do not use any other bolts than those supplied from Dahl Engineering (part #502800 which is quality 14.9, torx key size 27). Standard countersunk M8 bolts will not be strong enough in the event of a collision.

18.6.4 Description of how the Dahl Docking system Mk II. functions



- (1) Dahl Docking station
- (2) Lock plate and spacer
- (3) Lock pin
- (4) Red LED
- (5) Green LED
- (6) Control panel
- (7) Release button
- (8) Manual emergency release lever
- (9) manual operating lever

Securing the wheelchair in the docking station

1. Maneuver the wheelchair slowly and in a uniform direction over the docking station. The lock plate under the wheelchair helps to guide the wheelchair into place in the docking station. When the lock plate is fully engaged in the docking station, a spring-action locking pin automatically secures the lock plate.
2. The docking station is equipped with a control switch that indicates whether the lock plate is correctly secured in the docking station. As soon as the lock plate comes into contact with the locking pin, a warning tone will sound (a high-pitched howl), and the red diode/lamp (LED) in the control panel will light up until the lock plate is either fully engaged or else the wheelchair is removed from the docking station.
3. As an indication that the wheelchair is properly secured, the warning tone will cease, the red lamp (LED) in the control panel will go out and the green lamp (LED) will light up.
4. Do not forget to buckle up for driving.

Do not move the vehicle:

- Whilst the wheelchair is being maneuvered into position in the docking station
- If the wheelchair and user are not correctly secured.
- If the warning tone sounds and/or the red warning lamp (LED) in the control panel flashes or is lit!

Always check if the lock plate is properly engaged in the docking station by trying to reverse the wheelchair out of the docking station before moving the vehicle. (It must not be possible to reverse out of the docking station without pressing the red release button in the control panel).



Do not drive with the vehicle if the seat anchor is not locked and the green LED is not lit. Risk of serious and irreversible injury in the event of an accident.



The locked chair, it is mandatory to place the seat horizontally and lower the lift in low stop before positioning the 3-point restraint belt of the vehicle.



It is mandatory to use the 3-point belt of the vehicle and put it on according to the instructions in paragraph 18. 6.1, never use the belt or other restraint system attached to the wheelchair for transport in a vehicle.



If the lock or unlock fails, contact the adapted vehicle company that fixed the lashing station in your vehicle. Only authorized and qualified persons may intervene on the DAHL docking stations.

18.6.5 Release from the docking station

When the vehicle has been brought to a halt, remove the safety belt.

To unlock commence by driving the wheelchair forward to release pressure on the lock pin.

Press the red release button in the control panel. The locking pin will be triggered/ released for approx. 5 seconds, after which the locking pin is automatically locked/activated again. Move the wheelchair away from the docking station within this 5-second period. Do not attempt to reverse out of the docking station until the red LED on the control module, which indicates the unlock position, has been illuminated.

Attempting to reverse the wheelchair before the red LED has been illuminated will result in blocking the docking stations locking mechanism, which makes it impossible to reverse. If this happens repeat above unlocking procedure.

18.6.6 Manual release in case of electric failure



A manual emergency release is located at the front edge of the docking station.

Move wheelchair forward to remove the pressure on the lock pin and push the red release arm to one side and hold it there while the wheelchair moves away.

A cable-activated manual operating lever can also be fitted (accessory). The red release arm is also pushed to one side and should be held there whilst the wheelchair moves away.

If the described manual release procedures fail, an emergency release tool made from red plastic comes with each docking station.



1. Move wheelchair forward to remove the pressure on the lock pin
2. Place the emergency release tool in the gap between the locking plate and the docking station.
3. Push the release tool and wheelchair forward until the locking pin has been forced down - after which the wheelchair can reverse out of the docking station.

Dahl Engineering offers two docking systems, the Mk II, and a new power height adjustable called Dahl VarioDock. Please also refer to Dahl Engineering instructions for installation, use and maintenance for the system used.

18.7 Passenger weighing less than 22 kg

If the user to be carried is a child weighing less than 22 kg and the vehicle used has fewer than eight (8) seated passengers, it is recommended to transfer the child and use a child restraint system in accordance with UNECE Regulation 44. This type of restraint system is a more effective means of restraint than three-point devices. Some child restraint systems also provide additional postural support to maintain the child's position while sitting.

The parents or any other person responsible for the child may, as the case may be, decide to leave the child in his or her wheelchair during transport due to the level of posture control and the level of comfort provided by the wheelchair settings.

In this case, we invite you to carry out a risk assessment by the health professional who follows the child or by any person competent in this field.

18.8 Use of loading ramps :

Double rail ramps are not recommended for loading the *Magix II*. However, in the case of use of double rail ramps, it must be ensured that they are wide and close enough for the anti-rocker castors to support them. In the mount There is a danger of tilting backwards if the anti-tilt castors cannot lean on the ramps.

It is strongly discouraged to use removable ramps to mount a wheelchair with its user in a vehicle.

Caution:



If double rail ramps are used, they must be wide enough for the anti-tilt castors to support them. Danger of tipping if the castors cannot lean on the ramps!



It is strongly discouraged to use removable ramps to mount a wheelchair with its user in a vehicle.

19 Recycling

The wheelchair is not an ordinary waste and must be recycled by a specialized sector. At the end of its life, it can be taken back free of charge, by the reseller and / or by NEW LIVE Mobility to be recycled in accordance with the national rules in force.

20 Error identification

Every problem has its origin. The table below will help the user analyze them and possibly remedy them before seeking the reseller's help:

20.1 Wheelchair error table

Trouble	Description	Solution and/or cause
	Control element cannot be turned on	<ol style="list-style-type: none"> 1. The main fuse is out of circuit 2. Completely discharged battery 3. Connection cable to the power module or control element is defective or incorrectly connected
Wheelchair not working	The control element may be on, but the wheelchair does not work	<ol style="list-style-type: none"> 1. Charger is plugged in 2. Engines are coasting (see point 10.0) 3. The control element is in immobilizer mode (see Chapter 7 or 8) 4. The seat adjustment method is pre-selected on the control element (see Chapter 7 or 8) 5. The lift is in the maximum high position and/or the seat or backrest is too inclined backwards in relation to height. Lower the lift a little and or bring the inclination of the seat or backrest forward. 6. The backrest is folded down on the seat and attachment of the back cylinder and tilted backwards. Tilt the lower attachment of the backrest cylinder forward (see Chapter 6.12)
	The wheelchair does not follow the movements of the joystick. He does what he wants.	Stop using the wheelchair and inform the dealer immediately
The wheelchair rolls but very slowly	The wheelchair is idling, at reduced speed	<ol style="list-style-type: none"> 1. The height of the seat is set too high, lower the seat lower. 2. The seat or backrest is tilted too far backwards, bringing the inclination of the seat and/or backrest forward.
The wheelchair rolls but no longer has power	The wheelchair momentarily has trouble moving forward and turns with difficulty	<ol style="list-style-type: none"> 1. The electronics reduce the amperage of the motors to spare them during an abnormal use of the chair such as blocking against an obstacle, circulation in a soft ground, a continuous and prolonged rotation, etc ... 2. Wait 1 to 2 minutes without turning off the chair to return to normal operation. 3. Comply with the terms of use of the user manual.

20.2 Table error codes of the R-Net- CJSM-SW and CJSM2 command

Error code	Translation	Solution and/or cause
Joystick Error	Joystick error	Do not move the joystick during ignition
Low Battery	Discharged battery	Check batteries and cables / optionally replace batteries
High Battery	Battery too charged	Let the batteries rest
M1 Brake Error	Engine 1 brake defective	Check cable fittings /motor off
M2 Brake Error	Engine 2 brake defective	Check cable fittings /motor off
M1 Motor Error	Faulty Engine 1	Check cable fittings /motor off
M2 Motor Error	Faulty Engine 2	Check cable fittings /motor off
Inhibit Active	Active blocking	Choose other seat settings to resolve installation blockage/control
Jstick Cal Error	Joystick calibration error	Repeat joystick calibration / off
Latched Timeout	Reset	Clear info with a new startup
Left Lamp Short	Short circuit left light	Check cable fittings
Right Lamp Short	Short circuit straight light	Check cable fittings
L Ind Lamp Short	Left flashing short circuit	Check cable fittings
R Ind Lamp Short	Right flashing short circuit	Check cable fittings
Over-current	Overcurrent	Check cable connections to cylinders
Overtemp. (Acts)	Warm-up (movement)	Let the ISM cool / check the installation of the cylinders, too much current consumption
Overtemp. (Lamps)	Heating (lighting)	Let the ISM cool / check the lighting installation, too much current consumption
Memory Error	Memory error	Restart until the modules disconnect and the error clears
PM Memory Error	Electronic memory error	Reprogram electronics
Bad Cable	Cable connection error	Check cable fittings
Bad Settings	Incorrect programming	Check pc for programming errors
Module Error	Module error	Check cable fittings /module off
System Error	System Error	Restart until the modules disconnect and the error clears
User Switch Detached	Unplugged additional switch	Control cable fittings and auxiliary switch.
Gone to Sleep	Standby mode	Restart

20.3 Table error codes of the CJSM-LED command

Number of flashing diodes on the charge indicator	Cause	Solution
1	Discharged batteries or poor connection	Check batteries and cables / optionally replace batteries
2	Left motor connector error	Control connectors
3	Left motor short circuit	Control connectors
4	Right motor connector error	Control connectors
5	Right motor short circuit	Control connectors
6	Active security	Choose other seat settings to unlock/control the installation
7	Joystick error	Check the cable connections and that the joystick is centered/restart
8	Internal command error	Restart until the modules disconnect and the error clears
9	Left and/or right brake error	Control motor connections
10	Battery charge too high	Let the batteries rest
7 and speed diodes	Communication error	Check that the joystick cable is properly plugged in and not damaged
Cylinder Diodes	Short circuit actuators	Check cable connections to actuators

20.4 Table loader error codes

Errors	Cause	Solution
Only the orange diode is lit	The charger is not connected to the batteries	Check connection
Red diode flashes	Poorly connected batteries (reverse polarity)	Plug in the batteries in the right direction
Red diode stays on	Voltage too low, faulty batteries	Replace batteries

21 Technical data

Maximum occupant mass (ISO manikin mass): 140 kg

The chair *Magix II* complies with the following standards:

- Requirements and test methods for static strength, impact resistance and fatigue strength according to 7176-8.
- Electric wheelchair feeding and control systems – requirements and test methods according to ISO 7176-14.
- Climate testing in accordance with ISO 7176-9.
- Requirements for ignition resistance of padded parts in accordance with ISO 7176-16.

Model / designation	MAGIX 2
Class of use:	B
Distance:	environ. 25 - 30 km on flat route
Speed:	6 km/h ou 10 km/h
Up/down:	6° (safety slope at 10 km/h)
Weight:	130 à 140 kg (depending on equipment)
Size:	
Minimum length with folded footrest	910 mm
Minimum length with unfolded footrests	1040 mm
Largeur totale	580 à 750 mm
Hauteur totale avec dossier	980 à 1080 mm (seated at the bottom)
Minimum height folded backrest	690 mm
Dimensions of the seat:	

Seat height	400 à 800 mm (without cushion)
Seat width between armrests	250 à 590 mm
Seat depth	250 à 550 mm
Seat tilt angle	Depending on the variant, possible between -10° and +37°
Backrest tilt	Depending on the variant, possible between 90° and 160°
Armrest height	225 à 335 mm (from the seat plate)
Backrest height	400 à 700 mm next backrest (from the seat plate)
Mini turning radius with footrest	520 cm
Ground clearance	75 mm
Central wheels	
	A tyre 2.5-6, pressure between 2.8 and 3 Bar
Front and rear wheels	
	Omnidirectional, diameter 28 cm with severed polyurethane bandage
Batteries, operating temperatures	
	1x 24 V DC 60Ah, maintenance-free LFP Lithium type, -15 °C to + 40° C
Light bulbs, Headlights and Flashinglights	
	LED 24 V
Drive motors	
	AMT Schmid GmbH & Co. KG 24 VDC with electromagnetic brake 6 km/h = 300 Watt 3000 tr/min 23.8/1 10 km/h = 350 Watt 4800 tr/min 23.8/1
Brakes	
	Power outage electromagnetics
Element of commande	
	PG Drives Technology LTD R-Net 120A