



Scout X10 Series



User Manual X10-EN



4102967B

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1 Foreword

1.1 This user manual

The user manual for this powered wheelchair consists of three parts.

- The general user manual (this part)
- The user manual for the seating system (Agilo)
- The user manual for the controller

Read the entire user manual carefully before taking the product into use. The information provided by this manual is essential for the safe use and proper care (cleaning) of the wheelchair.

For detailed information regarding vehicular transportation and for more pre-sale information for this wheelchair, please consult our website : www.scoutmobility.nl.

This general user manual will refer, where necessary, to one of the other user manuals. This is indicated as follows:

- **GENERAL**
- **CONTROLLER**: Refers to the user manual for the controllers.
- **AGILO**: Refers to the user manual for the Agilo Seating System.
- **DAHL** : Refers to the user manual for the Dahl Docking Station

1.2 Symbols used in this manual



Warning symbol

Follow the instructions next to this symbol closely.

Not paying careful attention to these instructions could result in physical injury or damage to the wheelchair or the environment.



Reference symbol

The symbol refers to a separate user manual. This reference will indicate the specific user manual and the section to which is being referred.

1.3 Visual impairment

If you have a visual impairment you can find a digital (PDF) version of this user manual at www.scoutmobility.nl. You can also request a large-print paper version by contacting Scout Mobility or your local dealer. Contact information can be found on the back of this user manual.

1.4 Incident reporting

Notice to the user and/or patient : Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

2 Safety

Follow the instructions carefully next to these warning symbols! Not paying careful attention to these instructions could result in physical injury or damage to the wheelchair or the environment. Wherever possible, safety information is provided in the relevant chapter.

The wheelchair is electrically powered and a failure can have the wheelchair come to a sudden stop.



Safety information is indicated with the warning symbol.

2.1 Temperature



- Avoid physical contact with the wheelchair's motors at all times. Motors are continuously in motion during use and can reach high temperatures. After use, the motors will cool down slowly. Physical contact could cause burns.
- If you do not use the wheelchair, ensure that it is not exposed to direct sunlight for lengthy periods of time. Certain parts of the wheelchair, such as the seat, the back and the armrests can become hot if they have been exposed to full sunlight for too long. This may cause burns or allergic reactions to the skin.

2.2 Moving parts



A wheelchair has moving and rotating parts. Contact with moving parts may result in serious physical injury or damage to the wheelchair. Contact with the moving parts of the wheelchair should always be avoided.

Keep away from the following components when using the wheelchair :

- Wheels (drive and castor)
- Electric tilt in space adjustment
- Electric high/low option
- Electric backrest adjustment
- Swing-away controller holder
- Powered Leg Rests

2.3 Electromagnetic radiation



The standard version of your electric wheelchair has been tested on the applicable requirements with respect to electromagnetic radiation (EMC requirements) In spite of these tests:

it cannot be excluded that electromagnetic radiation may have an influence on the wheelchair. For example:

- mobile telephony
- large-scale medical apparatus
- other sources of electromagnetic radiation

it cannot be excluded that the wheelchair may interfere with electromagnetic fields. For example:

- shop doors
- burglar alarm systems in shops
- garage door openers

In the unlikely event that such problems do occur, we request that you notify your dealer immediately.

2.4 Using a (vehicle mounted) wheelchair lift

Wheelchair lifts are used in vans, buses and buildings to help you move from one level to another.



- Ensure that the user and all carers fully understand the lift manufacturer's instructions for using the wheelchair lift.
- Never exceed recommended safe working load and load distribution guidance
- Always turn off your wheelchair when you are on the lift

- Always make sure the wheelchair is in drive mode when using a wheelchair lift. The wheels need to be locked.

2.5 Lifting the wheelchair



Do not lift the wheelchair by any (seating) parts that are removable, doing so may result in damage to the chair or injury to the user or attendant.

2.6 Bag hook

The wheelchair can be equipped with a bag hook for easy transport of a bag with groceries and other material.



Maximum load for this bag hook is 7 kg. Remove all loads from the bag hook when the wheelchair is used as a seat or just transported in a vehicle.

2.7 Sunlight / UV radiation



Do not expose the wheelchair for a longer period of time to direct sunlight, contact surfaces can become more than 42°C.
UV radiation can influence material characteristics such as discolouring and strength of plastic parts.

2.8 Cushion Covers

In case cushion covers are used over the standard cushions, always make sure these covers are flame retardant acc. To EN1021-1&2

2.9 Markings and instructions on the wheelchair



The signs, symbols and instructions affixed to the wheelchair comprise part of the safety facilities. They must never be covered or removed. They must remain present and clearly legible throughout the entire lifespan of the wheelchair.

Replace or repair all illegible or damaged signs, symbols and instructions immediately. Please contact your dealer for assistance.

See figure 2.1

1. Check manual before using.
2. Battery charging connection.
3. Danger for crushing!

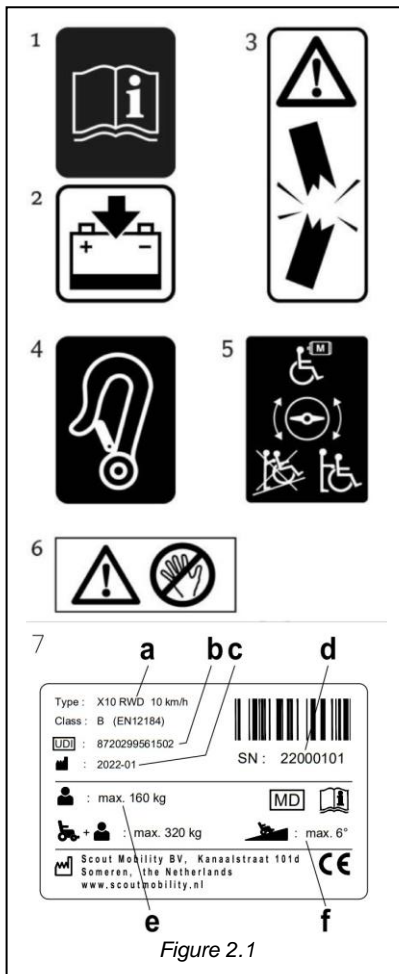


Use caution when swinging the controller aside to avoid getting anything crushed.

4. Attachment point of the tie-down system for transportation in a vehicle.
5. Motor freewheel switch



Don't put the freewheel switch in 'Push' mode on a slope



3 General description of the wheelchair

CE declaration



The product is in conformity with the provisions of the Medical Devices Regulation (MDR) 2017/745 Class 1 and thus has CE marking

3.1 Configurations

Generally speaking, the Scout X10 is comprised of an undercarriage with a seating system on top. This special undercarriage makes it possible for you to configure a Scout X10 as a front wheel, rear wheel or midwheel (respectively FWD or RWD/MWD).

The Scout X10 is standard available in a range of different speeds up to a maximum of 10 km/h.



- The technical specifications may not be changed.
- Do not make any changes to the electrical circuit.
- Any modifications to the wheelchair or any parts hereof are not permitted.

Main components basic model

- A. Drive wheels
- B. Castors wheels
- C. Freewheel switch
- D. Controller

Seating System

- E. Seat cushion
- F. Backrest
- G. Armrest
- H. Legrest with footsupport

3.2 The user

Driving an electric wheelchair requires cognitive, physical and visual skills. The user must be able to estimate and correct the results of actions when operating the wheelchair.

The wheelchair can not transport more than 1 person at a time. The maximum

user weight is 160 kg. unless otherwise indicated on the identification plate. Additional weight, such as rucksacks, accessories or medical apparatus must be added to the user's weight to determine the maximum weight, which cannot be exceeded.

The user must be informed of the contents of this user manual before driving the wheelchair. In addition, the user of the wheelchair must be given thorough instruction by a qualified specialist before he or she participates in traffic. The first sessions in the wheelchair should be practiced under supervision of a trainer/advisor.

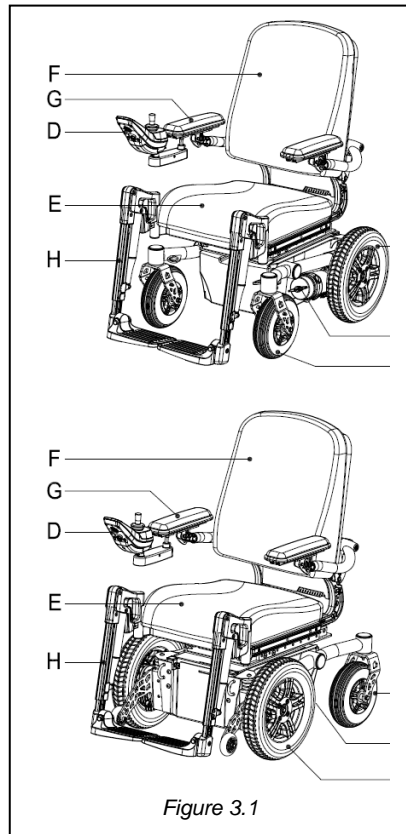


Figure 3.1



The user of the wheelchair is at all times completely responsible for complying with the applicable local safety regulations and guidelines.

- If you are under the influence of medicines that can have an effect on your ability to drive, you are not permitted to drive a wheelchair.
- Adequate vision is required in order to safely operate a wheelchair in the user situation concerned.
- Not more than one person at a time can be seated in the wheelchair.
- Do not allow children to ride in the wheelchair unsupervised.

3.3 Intended use and operating environment

This wheelchair has been designed to provide a means of transportation for people who cannot walk over longer distances or cannot walk at all. The wheelchair is designed to accommodate both indoor and outdoor use (EN12184 (2014) class B). It is sufficiently compact and manoeuvrable for indoor environments and capable of negotiating some outdoor obstacles. When driving the wheelchair outdoors, drive only on paved roads, pavements, footpaths and bicycle paths.

The speed must be adapted to suit the environment. With all adjustment options set to neutral (table 3.1), it can be assumed that when using an RWD/MWD Scout X10, a slope of $\leq 6^\circ$ belongs to a normal user environment with no danger of instability. In the technical specifications, you will find this under 'maximum safe slope'.



- A wheelchair should be regarded as a replacement for the walking function. Users must therefore travel among pedestrians and not on streets with traffic.
- The use of the wheelchair on walk ways and roads may be subject to the applicable legal requirements of National Road Laws or Road Traffic Laws.
- Drive carefully on slippery roads resulting from rain, ice or snow!
- Prevent the wheelchair from coming into contact with sea water: sea water is caustic and may damage the wheelchair.

- Prevent the wheelchair from coming into contact with sand: sand can permeate into the moving parts of the wheelchair, causing extensive wear on these parts.
- You are required to turn on the lights in case of limited visibility.
- When driving at higher speeds you must be extra careful. Select a lower maximum speed indoors, on the pavement and in pedestrian areas.
- Do not drive off high obstacles.
- Do not use the wheelchair if temperatures are below: -10°C or above +50°C.
- Do not attach a weight to the wheelchair without the approval of a qualified specialist. This may negatively affect the stability of the product.
- Do not push and/or tow any objects with the wheelchair.
- Do not open doors using the legrests.
- Do not drive through puddles of water.

3.4 Indications

The X10 Series wheelchairs can be used by those who cannot walk or have limited mobility because of :

- Paralysis
- Loss of extremity (leg amputation)
- Extremity defect deformity
- Joint contractures/joint injuries

3.5 Contraindication

The wheelchair shall not be used in case of :

- Perception disorders
- Imbalance
- Seating disability

3.6 Adjustment options

The Scout X10 is available with the following electrical and/or mechanical adjustment options:

Adjustment	Neutral position
Powered tilt in space	The entire chair upright
Powered seatlift	The chair in the lowest position
Powered backrest recline	The backrest as upright as possible
Powered (or mechanical) elevating legrests	The legrests are positioned as closely as possible to the chair.

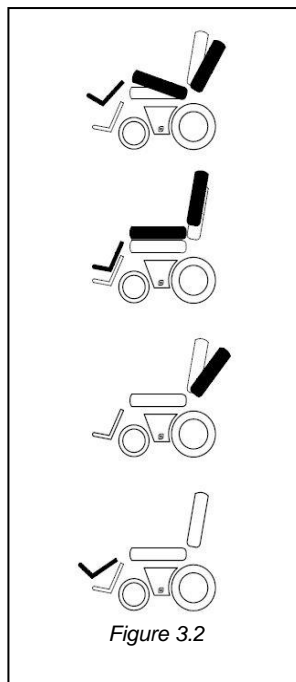


Figure 3.2

Table 3.1: Powered options and their neutral position



- Use of the electrical adjustment options may influence the centre point of gravity. These adjustments should only be made when the wheelchair is stationed on a flat surface.
- Electrical adjustment options are linked to moving and/or rotating parts. Contact with these moving parts may result in serious physical injury or damage to the wheelchair. Contact with the moving parts of the wheelchair must be avoided.

4 Wheelchair settings

The average wheelchair user does not exist. This is why Scout Mobility B.V. wheelchairs can be adjusted according to the specific needs of the user.

In this, we make a distinction between wheelchair settings and wheelchair adjustment options. Settings are carried out only once and must be executed by qualified specialists, unless explicitly stated otherwise. Adjustment options can be carried out by the user. These adjustment options do not require the use of tools.



Only to be carried out by qualified specialists.

Adjusting the seating system

The extensive settings with respect to the seating system allow for optimum support of the body. The following setting options are possible:

Seating system AGILO

- Depth, width of the seat
- Backrest angle
- Armrest height
- Lower leg length
- Angle of the footplate

4.1 Seat angle, seat height

Depending on the specific circumstances of the user of the wheelchair the seat height can be set. Every optional seat heights stay within the 6° maximum safe slope of according to EN12184 (2014) ClassB. Lowering the seat height has a positive influence on the (dynamic) stability.



Enlarging the seat height has a negative influence on the (dynamic) stability, because the centre point of gravity gets higher.

4.2 Seat position and centre point of gravity setting

The seat position and centre point of gravity can be adjusted. For this purpose there are 3 positions in the seat slide.

The wheelchair is designed and tested to be used in the standard position (middle hole). Only change the seat position and centre point of gravity to compensate specific user circumstances. For example: when a user has no legs.



Changing the seat position and centre point of gravity:

- Will have a negative influence on the driving characteristics of the wheelchair if used wrong.
- Will have a negative influence on the (dynamic) stability of the wheelchair if used wrong.

In case of doubt contact Scout Mobility B.V.technical support for advice.

4.3 Height and depth of the controller

See **AGILO**

4.4 Programming of the control system



Only to be carried out by qualified specialists. Incorrect setting of the parameters of the control system could lead to very dangerous situations and injuries to the user!.

5 Checking the wheelchair before putting into use

Be careful! Check the following before driving:

- Are the tyres sufficiently inflated (Ch.8.3).
- Are the batteries sufficiently charged? The green lights on the battery indicator must be on. **CONTROLLER**
- Are the lights on the direction indicators functioning properly? **CONTROLLER**
- Ensure that the free wheel switch has been set to 'drive'.



When operating the wheelchair, ensure that your clothing does not hamper the wheelchair (i.e. too long). Before use, always check if your clothing or accessories do not come into contact with the wheels or and other moving and/or rotating parts in which they could become entangled.

In winter, batteries have a reduced capacity. During a period of light frost, the capacity is roughly 75% of the normal capacity. At temperatures below -5°C this will be roughly 50%. This will reduce your range of action.

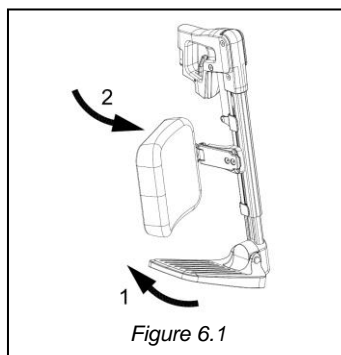
6 Use of the wheelchair

6.1 Getting in and out of the wheelchair

Getting in and out of a wheelchair is sometimes called making a transfer.

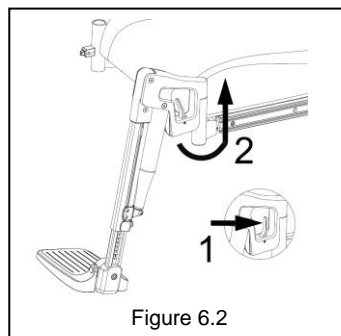
Be careful! Before a transfer is made, ensure that:

- The controller has been switched off **CONTROLLER**
- That the freewheel switch has been switched to 'drive' (ch. 6.6)
- Do not stand on the foot-plates. These have not been designed to accommodate the full weight of a person. In addition, this could cause the wheelchair to topple over.



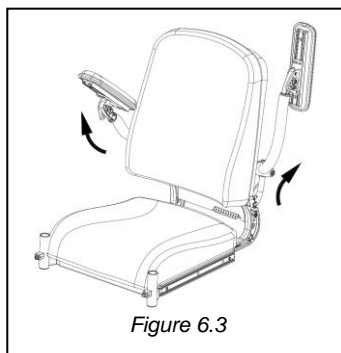
Forward transfer

- Flip the footplates up (fig 6.1). Swing the calf plates to the side (if applicable) (fig 6.1).
- If possible, swing the legrests to the side (fig 6.2).
- Seat yourself in the chair.



Sideways transfer

- Take the armrest out or flip it up (fig 6.3). Seat yourself in the chair.



6.2 Driving the wheelchair



As a wheelchair user, you are vulnerable in traffic. Keep in mind that other participants in traffic may not always notice you. Keep to the applicable traffic regulations.

Avoid out-of-the-way routes so that help can be quickly on its way when needed.

Adapt your driving style and speed to the circumstances.

Electric wheelchairs are driven by means of a controller. The controller has its own user manual **CONTROLLER**, which has been included with this wheelchair.

- Switch on the controller **CONTROLLER**
- Set the maximum speed limit **CONTROLLER**
- Move the joystick into the direction you would like to go
- Moving the joystick even further forwards will cause the wheelchair to move faster

6.3 Curves

- Never take curves at full speed. Decrease your speed before taking a curve.
- Use the indicators when changing direction.

6.4 Braking/Emergency stop

The best way to stop the wheelchair is to release the joystick. This will stop the wheelchair in a controlled manner.

An emergency stop can be made by :

- Pulling the joystick rearward.
- Switching off the control system



Switching off the control system is only to be used in an emergency situation as the stopping action is very abrupt and can cause a risk of wheelchair tipping.

6.5 Driving on a slope

With all adjustment options set to the neutral position (table 3.1), it can be assumed that when using an FWD/RWD/MWD Scout X10, a grade of $\leq 6^\circ$ belongs to a normal user environment with no danger of instability. In the technical specifications, you will find this under 'maximum safe slope'.

Slopes steeper than the normal user environment

Driving on slopes whose grade is steeper than the maximum safety limit can lead to safety risks with respect to stability. This requires great care and complete control of the user. Always drive carefully and never take unnecessary risks! Follow the instructions next to the warnings carefully!



The stability and performance of a wheelchair depend on a number of variables. Wheelchairs are adapted according to the needs of individual users. This is why variables will differ from wheelchair to wheelchair. Ask your dealer to inform you about the instructions for use and the specific settings and adjustments that can influence the driving characteristics of the wheelchair.

Driving on a slope

- When driving on a slope, always drive carefully and with the utmost concentration.
- Keep in mind that the braking distance on a slope is longer than on flat surface.
- Avoid sudden and jerky movements.
- Avoid making emergency stops on a slope.
- Avoid changing direction on a slope whenever possible.
- Do not turn on a slope.
- Only drive up a slope with all the adjustment options set to the neutral position.
- Driving on a slope in reverse can be extremely dangerous.
- Do not drive on slopes with loose gravel or a sandy surface, as one of the driving wheels could slip/spin.
- Driving on a slope too long can cause overheating of the motor.
- When driving down a slope forwards in a FWD wheelchair, we always recommend using an anti-tip.

Uphill

- If you notice a strong decrease in speed when driving up a slope, take a less steep route.

Downhill

- Never drive downhill at maximum speed, always use a lower speed setting for driving downhill.
- Prevent the wheelchair from gaining too much speed.

6.6 Obstacles

Driving up a kerb

- Choose the place where the kerb is at its lowest (see chapter 10 'climbing capacity for obstacles')
- Drive straight up to the kerb (30 cm in front of the kerb).
- Move the joystick forwards. Drive up the kerb without changing direction.
- As soon as the front wheels are on the pavement, you must maintain speed in order to get onto the pavement with all wheels. If it is impossible to drive onto the pavement, find a lower place where it is possible.

Driving down a kerb

- Choose the place where the kerb is at its lowest. In case of doubt, do not take any risks and find another route or someone to help you.
- Drive with your front wheels straight up to the kerb.
- Move the joystick slowly forwards.
- Drive down the kerb carefully and as slowly as possible, without changing
- direction.



- Never drive down stairs in a wheelchair.
- Do not drive off obstacles higher than 6 cm.

6.7 Adjustment options

Adjustment options are those parts of a wheelchair that can be adjusted by the user without the use of tools. The Scout X10 can be ordered with the following adjustment options:

Mechanical adjustment options

- Comfort legrests **AGILO**
- Swing-away joystick holder **AGILO**
- Headrest **AGILO**

Electrical adjustment options

- Electrical tilt adjustment **CONTROLLER**
- Electrical high/low option **CONTROLLER**
- Electrical backrest adjustment **CONTROLLER**
- Electrical legrests **CONTROLLER**

6.8 Freewheel switch: pushing the wheelchair

The wheelchair can also be moved by pushing. For this purpose, the motors must be disengaged. This is done with a freewheel switch; one for each motor.

The freewheel switch can be set to two positions:

- 'Drive' mode. In this position, the chair can not be pushed (a in figure 6.4).
- 'Push' mode. In this position, the chair can not be driven using the controller (b in figure 6.4).

The automatic parking brake only works if the switch is set to the 'drive' position. The freewheel switch should only be set to 'push' if the chair is to be pushed. When the chair is no longer being pushed, the occupant is left unattended or wants to drive him/herself, the freewheel switch should be set to 'drive' immediately.



- The freewheel switch is a function that was developed especially for wheelchair attendants. The freewheel switch should only be operated by the attendant and never by the user.
- Never set the switch to 'push' on a slope! When the freewheel switch is set to 'push', the automatic parking brake will be deactivated. The wheelchair could then move down the slope.

6.9 Storage after use

If the wheelchair is not in use, it must be stored in a cool place without being exposed to extreme weather conditions. Do not place the wheelchair in direct sunlight. Parts of the wheelchair can become so hot that they could cause burns. The surrounding temperature when stored may not be lower than 20°C or higher than +65°C.

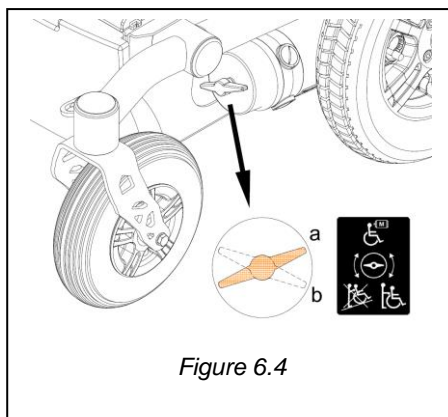


Figure 6.4

7 Transport of the wheelchair

7.1 Transporting the wheelchair

Power wheelchairs are very heavy to lift. Use suitable ramps to wheel the chair in and out of the vehicle. Once the wheelchair is in the vehicle, it must be secured with an ISO 10542 approved tie-down system that is suited to the weight of that particular wheelchair. The wheelchair can only be fastened by securing it to the tie-down points on the wheelchair's frame (fig. 7.1).

The total weight of the wheelchair depends on its composition. The technical specifications (Ch. 10) give insight in several optional items and how they influence the total weight. Always weigh the total weight of the wheelchair to be certain that the correct fastening system is used.

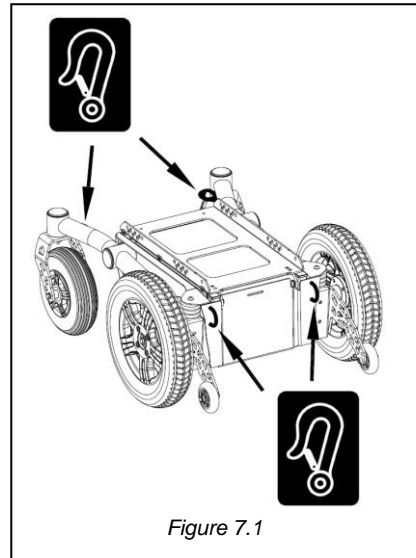


Figure 7.1

- Position the wheelchair in the car never in another way than facing front wards.
- Use an ISO 10542 approved attachment system suitable for the total weight of the wheelchair to secure the wheelchair.
- The wheelchair can only be fastened by securing it to the tie-down points on the wheelchair's frame (fig. 7.1). The wheelchair may not be secured onto any accessories (wishbones, armrests, anti-tip brackets etc.).
- Use all 4 tie-down points (fig. 7.1).
- Make sure that the freewheel levers are set to 'drive' (fig. 6.5).
- It's not allowed to alter the tie-down points on the frame without permission of Scout Mobility.
- If the wheelchair is involved in an accident it needs to be checked and approved by a Scout Mobility expert before it will be used again.
- Only use GEL or AGM batteries.

7.2 Transport of the wheelchair

(no occupant)

When the wheelchair is transported without an occupant, remove the parts that can be taken away.

- Remove the legrests **AGILO**
- Remove the seating **AGILO**
- Remove the backrest **AGILO**
- Remove the headrest (if applicable) **AGILO**
- Store and secure these items in a proper way. It's also possible to flip down the backrest if that is necessary due to lack of space in the vehicle **AGILO**.

The X10 Wheelchair can also be transported by air. For air transportation batteries need to be fully disconnected. For all other transport requirements check with the airline company.

7.3 The wheelchair as seat in a vehicle

The Scout X10 is successfully crash tested according to ISO 7176-19. Even so, a wheelchair is not designed as a car seat and cannot offer the same degree of safety that is offered by standard car seats. Scout Mobility B.V. recommends that wheelchair users transfer to a regular car seat if possible.

It's not possible for every wheelchair user to make a transfer. To optimize the safety of the wheelchair user and other passengers in the vehicle. Follow all the instructions and warnings carefully!



- Always ask for confirmation of the transporter that the vehicle is suitably designed, insured and equipped to transport a person in a wheelchair.

Fixating the wheelchair

- To tie down the wheelchair for transport in the vehicle, follow the instructions of chapter 7.1.



- When the wheelchair is equipped with a table top this needs to be removed during transport. Store these parts securely.

- All adjustment options of the seating system need to be in the 'neutral' position (Ch. 3.4).
- Scout Mobility B.V.recommends that the wheelchair is always equipped with a headrest and that this is used during transport when the wheelchair is used as a carseat.
- Any accessories on the wheelchair need to be removed and need to be stored securely.



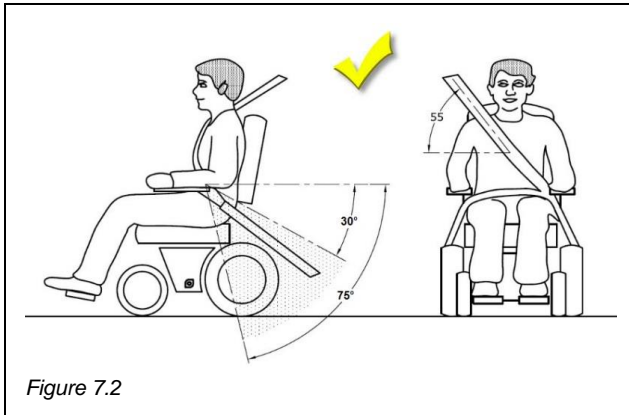
DAHL

The Scout X10 wheelchairs have been successfully crashtested according to ISO7176-19 using Dahl Docking Station. See for details the user manual "X10 with Dahl Docking Station".

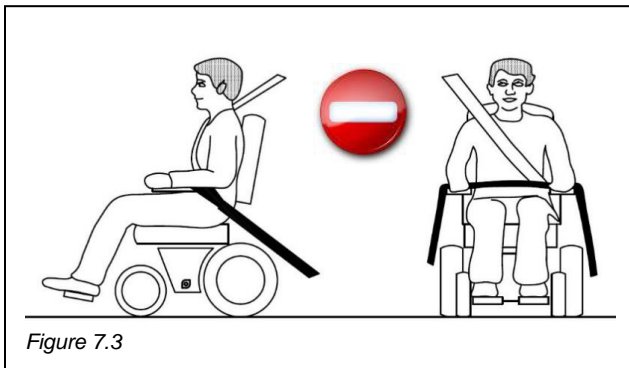
7.4 Securing the occupant



- Use a three-point occupant restraint system to secure the occupant of the wheelchair on the pelvis/hips and shoulder. This three-point safety belt must be secured to the roof and the floor of the vehicle (fig.7.2).
- Position the belt across the hips as tightly as possible at an angle between 30° and 75°.
- The other part of the belt is positioned to sit across the chest and shoulder (fig. 7.2).
- The seat belt should fit as tightly as possible and must not be twisted.
- Ensure that the seat belt is not obstructed from having contact with the body by wheelchair parts, such as armrests or wheels.
- When the wheelchair is equipped with positioning belts: these should never be used as vehicle safety belts.
- Care should be taken when applying the occupant restraint to position the seatbelt buckle so that the release button will not be contacted by wheelchair components during crash.



Belt constraints should make full contact with the shoulder, chest, and pelvis and pelvic belts should be positioned low on the pelvis near the thigh-abdominal



Belt restraints must not be held away from the body by wheelchair components such as armrests or wheels!

8 Maintenance of the wheelchair

When the wheelchair is periodically and correctly serviced it has a expected service life of 5 years. Wear and tear parts such as batteries and tires are excluded.

For information concerning specific settings, maintenance or repair work, please contact your dealer (dealer contact details on the back cover). Make sure you always mention the model, year of manufacture and identification number. This information is provided on the identification plate of the product (fig.

2.2.

We recommend having the wheelchair serviced by your dealer once a year, or in case of intensive use, every six months.

8.1 Cleaning the wheelchair

To clean the seating system, we refer to the user manual for the seating system **AGILO**.



- Ensure that the controller is switched off during cleaning. If the joystick is accidentally touched, the wheelchair can move and the electrical options used accidentally.
- Be careful with water in view of the electronic system.

Removing dry dirt

First, wipe the dirty parts with a wet sponge. Use preferably clean water or soft soapy water. Wipe the parts dry with a soft dry cloth.



- Never use abrasive or aggressive cleaning agents. They can scratch the wheelchair.
- Do not use organic solvents such as thinner, benzene or white spirit.
- Never use a high pressure cleaner for cleaning the wheelchair.

Daily

- Charge batteries after each use (Chapt. 8.2)

Weekly

- Check the tyre pressure and inflate the tyres if necessary (Chapt. 8.3)

Monthly

- Clean the wheelchair (Chapt. 8.1)

Annually Dealer check: including:

- Inspection of the wheels: (tyre pressure, wear and tear).
- Inspection of all the bolt and nut joints.
- Inspection of all electrical parts and components.
- Inspection of the motors and the carbon brushes).
- Inspection of damages to the product that can lead to further damage of the product or injuries of the user when not repaired.

8.2 Batteries

The wheelchair uses 'dry' gel (or AGM) batteries. These batteries are completely closed and maintenance free.



- The use of 'wet' batteries is not permitted.
- In winter, batteries have a reduced capacity. During a period of light frost, the capacity is roughly 75% of the normal capacity. At temperatures below -5°C this will be roughly 50%. This will reduce your range of action.

Charging the batteries

- Check the manual of the battery charger to see if it's suitable for the type of used batteries. Check chapter 10 for the technical specifications.
- First, switch off the wheelchair's controller.
- Put the charge plug of the battery charger in the charge connector of the controller **CONTROLLER**
- Activate the battery charger. This depends on the type of battery charger. Consult the user manual of your battery charger.

If the wheelchair is not being used, we recommend charging the batteries via the battery charger. For normal use, the batteries should be charged every night.

The battery charger's display will indicate when the batteries have been fully charged. Depending on how depleted the batteries are, it may take up to 12 hours before the batteries are once again fully charged.

Note: It takes about 15 full charging cycles before the batteries reach their full capacity.

Maintaining the batteries

Ensure that the batteries are always fully charged. Not using the batteries for a long period of time can damage them.

Do not use the wheelchair if the batteries are almost depleted and never

completely deplete the batteries. This can seriously damage the batteries and you may run the risk of coming to an unintended standstill.

Replacing the batteries

If the capacity of the batteries is continually decreasing so that the wheelchair can only be used for short trips, this will mean that the batteries are the end of their lifespan. The batteries will then need to be replaced. Please contact your dealer for assistance.



- Batteries contain acids. Damaged batteries can cause severe danger to your health. Follow the instructions on the batteries at all times.

8.3 Tyres

- To ensure that your wheelchair functions properly, it is essential that the tyres are kept at the correct pressure. The maximum pressure can be found on the tyre.

Drive wheels OUTDOOR: 14" 3.00-8	Castor wheels OUTDOOR: 9" 2.80/2.50-4
Our advice is 2.5 bar, Max. 3.5 bar	Our advice is 2.5 bar, Max. 3.5 bar

Tyres that are too soft will have a negative effect on the wheelchair's performance. It will also cost more energy to move the wheelchair forward and this will also cause the batteries to be depleted faster. Furthermore, wear on the tyres when driving with soft tyres is unnecessarily high.

Call for a service repair engineer when a pneumatic tyre gets punctured.



- Never exceed the maximum tyre pressure.

Tyre repair of pneumatic tyres.



- Tyres should only be replaced by a qualified specialist. For an extensive description of tyre repairs we would like to refer you to the service manual available to qualified specialists.
- Before tyres are repaired they must first be completely deflated.

8.4 Discarding the wheelchair

The lifespan of a wheelchair is influenced by the extent to which it is maintained. To be able to take maximum advantage of the lifespan of your wheelchair we recommend regular maintenance (see chapter maintenance).

The environment

If your wheelchair has come to be superfluous or needs to be replaced, it can usually be taken back by your dealer in consultation. If this is not possible, please ask your local authority about the possibilities of recycling or environmentally friendly disposal of the materials.

In the production of a wheelchair, many different plastics and materials are



incorporated. Furthermore, the wheelchair is comprised of various electronic components that should be disposed of as electronic waste.

The batteries should be put in the chemical waste bin. No environmental contribution for eventual recycling applies to wheelchairs.

8.5 Long term storage of the wheelchair

When the wheelchair will be stored for a long period of time (> 4 months) the batteries should be disconnected.

Before re-use of the wheelchair it needs to be checked by a certified service engineer.

Do not store the wheelchair in a damp or cold environment or near a source of direct heat.

9 Warranty

9.1 Definitions of terms

- Definitions of terms used in this warranty:
- After sales service part: Part purchased after the initial product that is durable and may be subjected to natural wear and tear or natural contamination during normal operation within the lifetime of the product.;
- Consumable part: Part that is subjected to natural wear and tear or natural contamination during normal operation within the lifetime of the product (section 9 of Scout Mobility's general terms and conditions of sale);
- Client: Those who purchase the product directly from Scout Mobility;
- Corrective action: Repair, replace or refund of the product;
- Dealer: Those who re-sell the product to the User;
- Defect: Any circumstance due to which the product is not sound or fit to use, caused by a lack of quality of the material used to manufacture the product as well as the quality of the manufacturing process;
- Option: An accessory delivered with the initial product by Scout Mobility B.V. to extend the standard product model;
- Product: Product that is delivered according to brochure or contract (e.g. wheelchair, battery-charger etc.);
- Part: Part of product that can be exchanged or replaced. This can be an option, accessory, service part or consumable part;
- Returns: Product or part that needs to be returned;
- RMA-process: Process to return goods, contact your dealer;
- User: Those who use the product;
- Warranty: The rights and obligations set forth in this document;
- Warranty period: The period of time during which the warranty is valid;
- Warranty provider: Scout Mobility B.V., Kanaalstraat 101D, 5711EG, Someren, The Netherlands.

Notwithstanding the rights and obligations of Scout Mobility, Client and User set forth in Scout Mobility's general terms and conditions of sale, the rights of the Client and/or User towards Scout Mobility B.V. in case of defects are limited to the provisions set forth in this warranty. For the duration of the warranty period Scout Mobility B.V. guarantees that the product is without defects.

In case of any defects the User is required –within two weeks after discovery of the defect- to contact the dealer. He has to complete a return form and return the product or part via the RMA- process. Scout Mobility B.V. will, at its sole discretion, take the corrective action it seems fit under the given circumstances within a reasonable period of time (depends on nature of claim) from receipt of the completed return form. The warranty period will not be extended after a corrective action.

9.2 Warranty period table

Power wheelchair

Description	Warranty period	Examples include, but are not limited to the parts mentioned below
Frame	2 year	Weldment / frame
Drive system	2 year	motor, incl. brake
Electronics	2 year	Controller, controlling mechanism, wiring harness, electronic components
After sales service parts	New: 1 year after invoice Repaired: 90 days after invoice	Lighting
Consumable parts	30 days after invoice	Carbon brushes, etc.
Options/ Accessories	2 year	Mirror, mudguards etc. delivered with the initial product

Seating

	Warranty period	Examples include, but are not limited to the parts mentioned below
Frame	2 year	Weldment / frame / armsupport
Electronics	2 year	Electronic components
After sales service parts	New: 1 year after invoice Repaired: 90 days after invoice	Metal parts
Consumable parts	30 days after invoice	Upholstery etc.
Options/ Accessories	2 year	Lap strap, bag brackets etc. delivered with the initial product

This warranty will void in case of:

- The product and/or its parts have been modified;
- Changes in cosmetic appearance by use;
- Failure to observe the instructions for use and maintenance, use other than normal use, wear and tear, negligence, collateral damage by neglect of earlier symptoms, overloading, third-party accidents, non-original parts used and defects not caused by the product;
- Circumstances beyond our control (flood, fire, etc.).

This warranty does not cover:

- Tyres and inner tubes
- Batteries (covered by the battery manufacturer's warranty).

Clients and/or users have legal (statutory) rights under applicable national laws relating to the sale of consumer products. This warranty does not affect statutory rights you may have nor those rights that cannot be excluded or limited, nor rights against the entity from whom the product was purchased. Clients may assert any rights they have at their sole discretion.

10 Technical specifications



This product complies with the regulations and guidelines for medical aids MDR 2017/745 Class 1 and thus carries a CE symbol. The product meets the requirements and standards below. These are checked by independent institutions/notified bodies.

Standard	Definition/description	Weight test dummy
MDR 2017/745 Class 1	Applicable as mentioned in Appendix 1	N/A
NEN-EN 12182 (2012)	The requirements from EN12182 (2012) as mentioned in NEN-EN 12184 (2014): Technical aids for the handicapped - General requirements and test methods - Scout X10 Agilo - Scout X10 S Agilo	160 kg 120 kg
NEN-EN 12184 (2014) Class B	Electric wheelchairs, scooters and accompanying battery chargers - Requirements and test methods April 2014 - Scout X10 Agilo - Scout X10 S Agilo	160 kg 120 kg
ISO 7176-8	Requirements and test methods for impact, static and fatigue strengths July 1998	N/A
ISO 7176-9	Climate tests for electric wheelchairs	N/A
ISO 7176-14	Requirements and test methods for control systems for electric wheelchairs 1997	N/A
ISO 7176-16	Requirements for resistance to ignition of upholstered parts May 1997	N/A
ISO 7176-19	The Scout X10 meets the crash test requirements as described in ISO 7176-19 - Scout X10 Agilo - Scout X10 S Agilo	104 kg 104 kg

Batteries	Max.	Unit
Maximum battery dimensions (Battery Box 275x360x200)	260x172x200 10.25x6.75x8	mm inch
Battery capacity	50 / 60 / 78	Ah
Battery charger	Max.	Unit
Maximum permissible charging voltage	24	V
Maximum charging current	12	A
Connector type	CONTROLLER	
Insulation	Class 2 double insulated	

10.1 Electric wiring diagram

The electric wiring diagram depends on the type of controller used. Relevant information can be found in the user manual of the controller **CONTROLLER**.

10.2 Technical specifications Scout X10 (ISO 7176)

Model:	Scout X10		
Type:	FWD / RWD / MWD		
Class:	B		
Description	Min.	Max.	Unit
<i>Total length including std legrests :</i> FWD / RWD / MWD	1100/1150/1100		mm
Stowage length	1000		mm
Stowage width (X10 S)	620 (540)		mm
Stowage height	700		mm
Total width (14" wheels")	620		mm
Total height (minimal)	1060		mm
Total mass (with 60 Ah batteries, full)	153		kg
<i>Total weight without batteries:</i>	80		kg
Batteries 50Ah AGM (C20)	+ 27		kg
(set of two) Batteries 60Ah	+ 43		kg
GEL (C20) (set of two)	+ 50		kg
Batteries 78Ah GEL (C20)	+ 15		kg
(set of two)	+ 8		kg
Powered	+ 1.5		kg
seatlift	+ 4		kg
option			
Powered	+ 1.2		kg
tilt in	+ 1.9		kg
Transport weight of the heaviest part	95		kg
<i>Maximum safe slope :</i>	6° / 6° / 6°		°
<i>Static stability</i> <i>Downwards / Upwards / Sideways :</i>			
Rear Wheel Drive RWD	12 / 11 / 15		°
Front Wheel Drive FWD	11 / 9 / 13		°
Mid Wheel Drive MWD	15 / 15 / 11		°
<i>Range of action*:</i> Batteries 60Ah	32		km
<i>Dynamic stability uphill :</i> FWD/RWD/MWD	8 / 6 / 8		°
<i>Climbing capacity for obstacles :</i> FWD	60 / 60 / 60		mm
Max. speed forwards	8	10	km/h
Min. braking distance from max. speed	1900	2100	mm

Reversing width : FWD / RWD / MWD)	1200/1250/1150	mm
Turning radius (ISO 7176-5): FWD / RWD / MWD	610 / 890 / 600	mm

* The following aspects have a negative influence on the range of action: Obstacles, rugged terrain, driving on slopes, exposure to temperatures below the freezing point and frequent use of electronic adjustment options.

10.3 Technical specifications Agilo seating system

Seat angle adjustment :			
Mechanical	0° / 3° / 6°		°
Electrical	0° - 45°		°
Effective seat depth	400 - 540		mm
Effective seat width	400 - 540		mm
Seat surface height at front edge	390	465	mm
Backrest angle	88	128	°
Backrest height	480	550	mm
Foot Rest to seat distance	390	500	mm
Leg to seat surface angle*	90*	170	°
Armrest to seat distance	240	385	mm
Front location of armrest structure	300	550	mm

* only possible with center mounted legrest

Seat Height		
Pos 1**	390	mm
Pos 2	415	mm
Pos 3	440	mm
Pos 4	465	mm

** Pos 1 is not possible with 78 Ah batteries

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Dealer contact details:

*If there is no information here you can
contact Scout Mobility B.V. for the
nearest dealer address.*