decon mobility



E-WALK

E-Walk User manual

2026001-604_Rev2.0

2026-01
Original manual EN

EU Declaration of Conformity • EU-Konformitätserklärung • Déclaration de conformité UE

decon

The undersigned, representing the following manufacturer

Decon Wheel AB
Org. No. 556618-9006
SRN SE-MF-000046289
Södra Ekeryd 119, 314 91 Hyltebruk
Sweden,

hereby declares that the product **E-Walk**

with the basic UDI-DI 735001014MCGB3

and the following references MCG4055
MCG4755

is in conformity with the Medical Device Regulation (EU) 2017/745 as a class I medical device based on Annex VIII; and the Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Intended purpose: E-walk is an electrically powered, assistant-controlled drive unit intended to be mounted onto compatible manual wheelchairs to provide powered assistance and braking support during propulsion of individuals who are unable to walk or who have limited walking ability.

This EU declaration of conformity is issued under the sole responsibility of the manufacturer.

Hyltebruk, 2026-01-29

Mattias Lundin
CEO

MADE BY DECON SINCE Creating Freedom 1989 POWERED BY YOU

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Intended Purpose

Intended use

E-walk is an electrically powered, assistant-controlled drive unit intended to be mounted onto compatible manual wheelchairs to provide powered assistance and braking support during propulsion of individuals who are unable to walk or who have limited walking ability.

Indications for use

E-Walk is indicated for individuals who use a manually propelled wheelchair when powered propulsion assistance is needed to support mobility, particularly during demanding tasks such as negotiating slopes or longer distances.

Intended patient population

The intended patient population is individuals of any age, including children, who use a manual wheelchair and require powered assistance due to limited or absent self-propulsion ability. Maximum permitted user weight is 150 kg (depending on permitted user weight for manual wheelchair).

Intended user

The primary intended user and also operator of E-Walk is an assistant who provides support to the occupant in the wheelchair. The assistant must be physically capable of safely controlling the manual wheelchair with E-Walk attached. In addition, the assistant must be cognitively capable of understanding and executing safe operation, including maneuvering, braking and responding to emergency situations.

The secondary intended user of E-Walk is the occupant sitting in the wheelchair. The occupant must never operate E-Walk and can be of any age, including children. The occupant is unable to walk or has limited walking ability. The occupant has limited or no ability to self-propel and does not exceed the maximum permitted user weight.

Intended operating environment

E-Walk is intended to be operated within temperature range -25°C to +50°C in indoors and outdoors environments on firm, even and stable surfaces suitable for wheelchair operation.

Contraindications

E-Walk must not be used if the operator lacks the physical, sensory or cognitive ability to safely operate a manual wheelchair with powered assistance.

Safety

General regulations

Before using E-Walk, the assistant shall undergo training in the correct handling of E-Walk. During the training, the assistant shall also be informed of potential risks associated with improper or unintended use.

The training shall be conducted by Decon´s representative or distributor.

Personnel or technicians responsible for installation, technical inspection, maintenance, or service of E-Walk shall undergo technical training to ensure that all procedures are performed in accordance with Decon´s requirements and safety guidelines.

The user manual applies to E-Walk and is written for users of E-Walk.

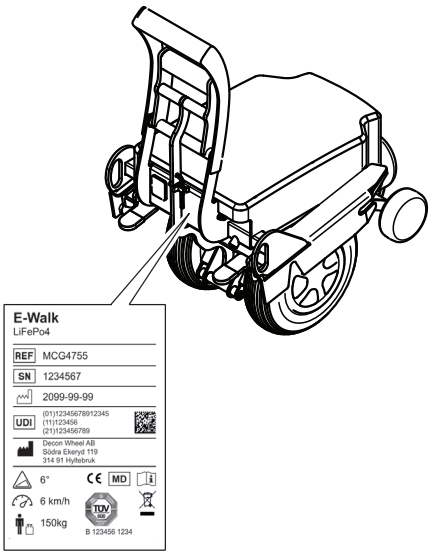
Read the user manual and familiarize yourself with E-Walk before using it.

For information on compatible wheelchair models for mounting E-Walk, visit Decon's website (www.decon.se/en). Select "Adapters"; then "Find manufacturer or chair", and enter the relevant manufacturer or wheelchair model.

Manuals for the visually impaired

Contact your local dealer if you have difficulty reading this user manual. Your local dealer can supply a digital copy of this manual. This allows the manual to be enlarged or read aloud from your reading software.

Labeling



The label is located on the back of the base unit.

The symbols used on the label of E-Walk are explained below:

Observe the instructions for use!

Rated slope: 6°.

Maximum speed of the device: 6 km/h.

Maximum weight of occupant: 150 kg.

MD — Medical device.

SN — Serial number of the device.

Indication of the date of manufacture.

Name and address of the manufacturer.

REF — Catalogue number of the device.

UDI — Unique Device Identification (UDI) of the device.

For indoor use only (charger).

Recycled as electronic waste. E-Walk and its accessories are subjected to the European WEEE Directive.

ISO 7010-M002, Refer to instruction manual/booklet!

Symbols



WARNING!
Risk of serious injury or death.
An operation which, if not performed correctly, could result in injury to the operator or other persons.

! CAUTION!
Risk of damage to property.
An operation that, if not performed correctly, may lead to damage to property.



INFO
Highly important or explanatory information.

Pre-use safety check



WARNING!

Before each use:

- Check and ensure that E-Walk is properly attached to the wheelchair
- Check and ensure that all mounting components are securely fixed
- Check and ensure that the drive wheel is correctly engaged and moves freely
- Check and ensure that the controller operates freely and returns to neutral position
- Check and ensure that the battery is sufficiently charged



WARNING!

Do not use E-Walk If any defect, damage or abnormal function is detected. Contact your dealer or service technician.

Warnings

Before using E-Walk

WARNING!

The user must have read and understood the user manual and have an understanding of the various controls and user interfaces that E-Walk is equipped with.

**WARNING!**

Tipping guards must always be fitted to the wheelchair and placed in the working position when using E-Walk.

**WARNING!**

To mount E-Walk to a wheelchair, a mounting set is required, which is ordered separately and is not included in deliveries of E-Walk. The mounting set must be assembled by a trained technician.

**WARNING!**

Be careful not to pinch your hand or fingers when using the handle to lower or raise the drive wheel. Hold onto the handle throughout the movement.

**WARNING!**

The wheelchair's castor wheels must have a diameter of at least 150 mm to minimize strain on them when E-Walk is used.

**WARNING!**

Before the patient takes a seat in the wheelchair or leaves the wheelchair, the wheelchair brakes must be activated and E-Walk must be switched off so that the wheelchair cannot roll away.

**WARNING!**

E-Walk must under no circumstances be controlled by the patient sitting in the wheelchair.

**WARNING!**

Practice driving E-Walk safely on level ground before driving uphill or downhill.

! CAUTION!

More advanced wheelchairs with seat/back tilt functions can sometimes not be fully utilized as the tilt functions can be hindered by E-Walk. Use caution when using these features to avoid damaging E-Walk.

Driving

WARNING!

Start with a low speed that feels safe for both you as the user and the patient. Then slowly increase the speed to the desired walking speed.

WARNING!

Avoid sudden start or stop commands. Abrupt wheelchair movement may cause the occupant to lose balance and could result in a fall or injury. Before operating E-Walk, ensure that the occupant is properly seated and prepared before starting or stopping.

WARNING!

It is not permitted to drive E-Walk on slopes or ramps with a higher slope than 6 degrees (10.5%) with a user weight of 150 kg.

WARNING!

Avoid driving where the surface is soft or uneven (eg sand, mud, snow, ice or through deep puddles). We recommend that E-Walk is only used on smooth and firm ground.

WARNING!

When driving or parking on slippery surfaces or in sloping terrain, E-Walk's wheels can slip.

WARNING!

Do not hang objects (bags, backpacks etc.) near the steering control! If these objects come into contact with the controller's throttle control, E-Walk may unintentionally start moving.

WARNING!

Do not operate E-Walk near a device that produces strong radio waves. If E-Walk is near a source of radio waves and starts to operate abnormally, immediately turn off the power, and quickly move away from the location. If a mobile phone is to be used in direct connection to the wheelchair, E-Walk must be switched off.

The weak electromagnetic waves emitted by E-Walk may affect other electronic devices, such as automatic doors and anti-theft systems of stores. In this case, turn off the power and drive the wheelchair manually.

WARNING!

The stopping distance on slopes can be significantly greater than on level ground.

WARNING!

At landings and high curbs (>8cm), E-Walk must be switched off and folded up. On lower steps or curbs, reduce speed and tilt the chair up before driving up.

WARNING!

Static electricity can build up on the user or device. When touching the device, an electrostatic discharge (ESD) may occur, which can temporarily affect the electronics. This may result in temporary interruption of operation or abnormal behavior. Ensure stable operation before continuing use.

WARNING!

While the wheelchair is being operated or after operation, do not touch the base unit drive motor or motor controller. During or after operation, the drive motor or motor controller may be hot. In addition, if the wheelchair is near a source of heat, the complete base unit may become hot.

WARNING!

When using the device in a crowded area, do so with sufficient attention to your surroundings. If you bump into people or objects, the occupant traveling in the wheelchair may plunge forward, or people around you may get injured.

When you have stopped in a crowded area, be sure to turn off the power. If a person in your surrounding area hits the controller, the wheelchair may start moving unexpectedly, causing injury to the occupant traveling in the wheelchair or to people around you.

Storage and transport

WARNING!

Do not store E-Walk where it may get wet from rain or in places with high humidity.

WARNING!

Avoid storage in direct sunlight or high temperatures.

WARNING!

E-Walk can be transported connected to the wheelchair, then use the marked load securing points to secure E-Walk during transport. The wheelchair must be secured for transport in its own load securing points, see the wheelchair manufacturer's instructions.

Battery and charger



WARNING!

The charger is intended for indoor use only. Do not expose the charger to rain or other sources of moisture.



WARNING!

Do not carry the charger on the wheelchair.



WARNING!

Only use batteries approved by the manufacturer. Installation of a non approved or incompatible battery may result in malfunction or unsafe operation of the device. Incorrect battery characteristics may lead to overheating, release of hazardous gases, or fire during charging or use. This may cause serious injury or damage to the surroundings.



INFO

Always verify that charging has started and is ongoing by checking the charging indicator. If charging is interrupted or not started correctly, the battery may remain partially charged. This may lead to reduced driving range or the wheelchair not operating as expected.



INFO

Battery life varies depending on usage and storage conditions, travel conditions, temperature, and charging method. Batteries are consumables. If the distance you can travel on a single charge becomes significantly shorter, consider it as time to replace the battery with a new one.

Cleaning

CAUTION!

Never rinse E-Walk with a water hose or high pressure washer. Do not use a steam cleaner to clean E-Walk. The electronic devices can be damaged, which can lead to serious malfunctions.

CAUTION!

Do not clean with solvents such as benzine or thinner. This can damage the paintwork and plastic parts of E-Walk.



INFO

A cloth and alcohol-based sanitiser is suitable to disinfect E-Walk.

Warranty

The warranty period for E-Walk is 2 (two) years from the date of purchase.

If there is a material or manufacturing defect in your copy of E-Walk during this warranty period, the defective parts will be replaced or repaired free of charge. The warranty covers the base unit, controller and charger. Consumable parts such as batteries and tires are excluded from this warranty.

This warranty does not cover faults caused either by intentional misuse by the user or careless use, for example faults caused by use other than that specified in this user manual. This warranty also does not cover defects resulting from modification of the unit or continuous use under conditions other than the specified conditions, for example, exceeding the maximum weight of person, etc.

Scratches, matting and dirt on the surface of the product resulting from normal use are not covered by the warranty.

If warranty repairs are necessary, contact the retailer where you purchased the device.

Expected lifetime of the complete product (not wearing parts) is 5 years from the date of sale.

Product safety and recall information

Contact the retailer where the device was purchased or the manufacturer of E-Walk for information on product safety and possible recalls.

Serious incidents involving E-Walk shall be reported to Decon and to the competent authority in the member state where the user/patient is established.

Product description

Technical data

Motor		200W
Battery type		Lead (gel) 24V, 12Ah
		LiFePO4 24V, 18Ah
Total dimensions (WxLxH)		316x474x362mm
Weight		Base unit 15,4 kg Battery LiFePO4 3,95 kg Battery Lead (gel) 8 kg
Tires		200x50, Solid
Speed		0-6 km/h[1)]
Maximum mileage from fully charged batteries		22 km[2)]
Maximum user weight		150 kg
Maximum total weight		180 kg[4)]
Maximum gradient / rated slope		6 degrees[3)]
CE-marking		According to EU Regulation 2017/745 (MDR)
Battery charger		100-240 V AC, 50/60Hz
Charging time		Normal charging 3-4 hours (LiFePO4)
Operating conditions	environment	Indoor and outdoor
	temperature	-25°C to +50°C
	humidity	No condensation

1. Maximum speed is set via controller

2. With LiFePO4 battery. Driving style, surface and user weight affect the maximum driving distance.

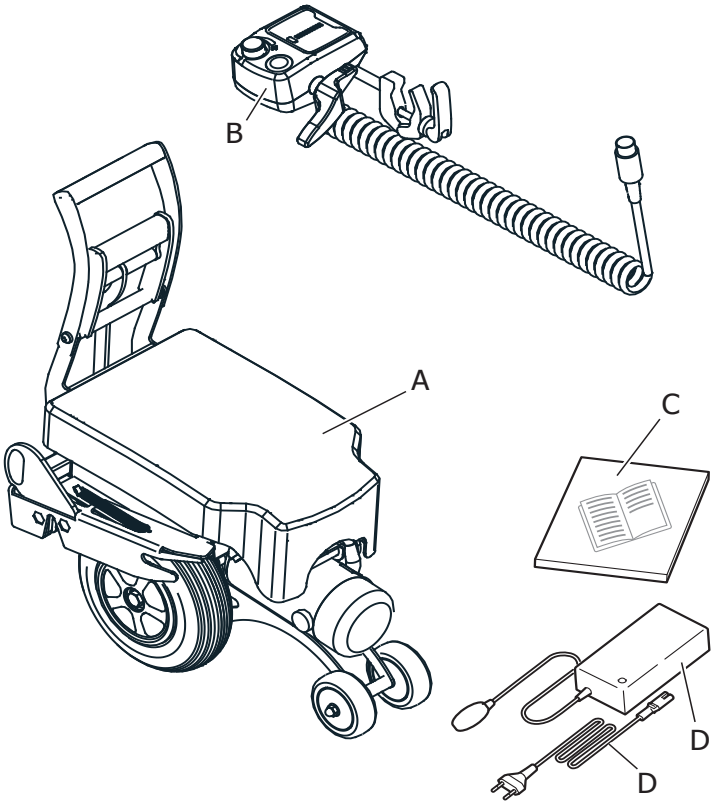
3. Maximum gradient can be affected by the surface on which E-Walk is driven.

4. E-Walk can withstand a maximum total weight of 180 kg (E-Walk + User + Wheelchair + Luggage). However, confirm the detailed specifications, including frame strength, with the wheelchair manufacturer. Also to define a specific user weight, please refer to the “Weight Calculator” on Decon´s website, www.decon.se/en

Scope of delivery

The delivery of E-Walk includes the following:

A E-Walk base unit
B E-Walk controller
C User manual
D Charger incl. cables

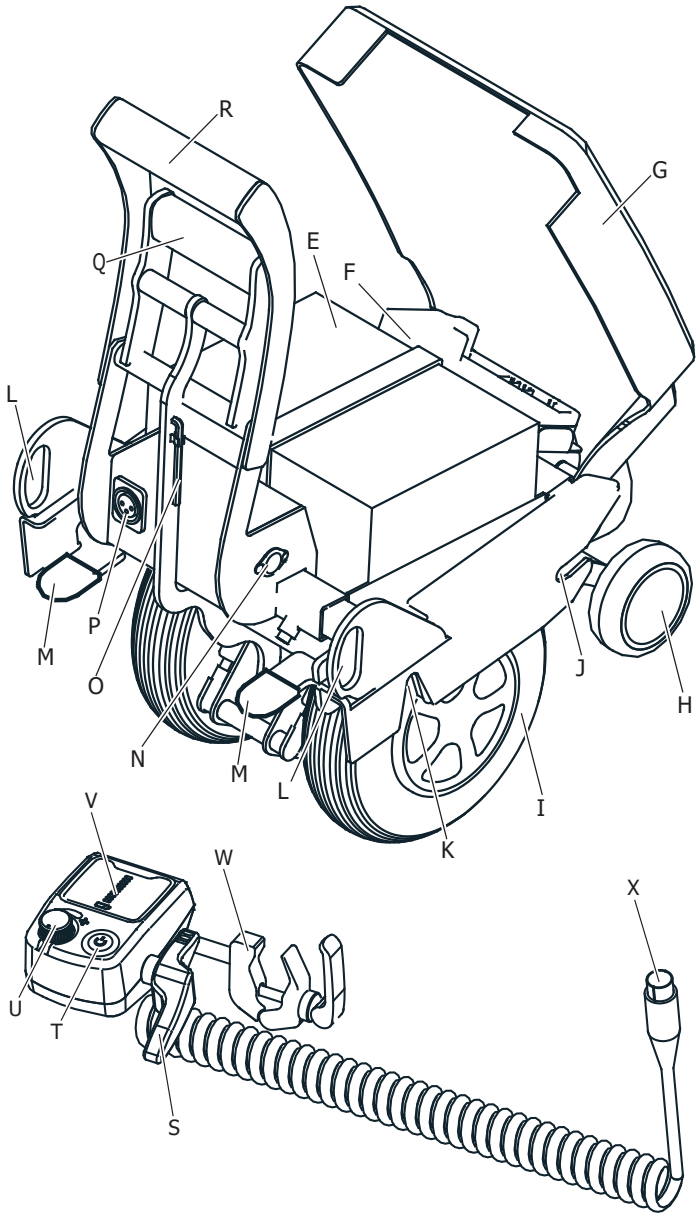


Mounting set

INFO

To mount E-Walk to a wheelchair, a mounting set is required, which is ordered separately and is not included in deliveries of E-Walk.

Overview E-Walk



E	Battery	O	Allen key
F	S-Drive motor controller	P	Charging socket
G	Battery cover	Q	Lower handle
H	Front pair of wheels	R	Upper handle
I	Drive wheel	S	Throttle
J	Front attachment	T	Main switch
K	Rear attachment	U	Speed regulator
L	Anchor point during transport	V	Battery indication
M	Release pedal	W	Fastening clamp
N	Controller socket	X	Controller connector

Using E-Walk

WARNING!
Before starting, ensure that the pre-use safety check has been completed and that E-Walk is ready for safe operation.

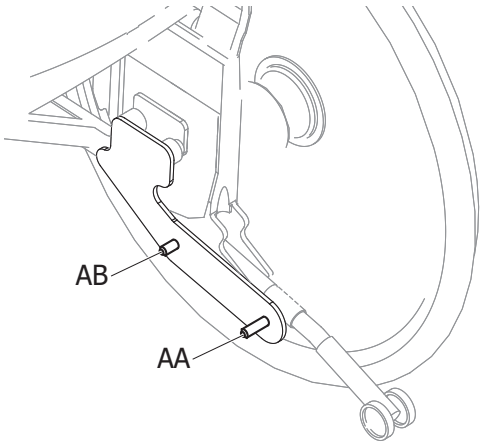
WARNING!
The wheelchair's castor wheels must have a diameter of at least 150 mm to minimize strain on them when E-Walk is used.

WARNING!
Tipping guards must always be fitted to the wheelchair and placed in the working position when using E-Walk.

CAUTION!
More advanced wheelchairs with seat/back tilt functions can sometimes not be fully utilized as the tilt functions can be hindered by E-Walk. Use caution when using these features to avoid damaging E-Walk.

Mounting set

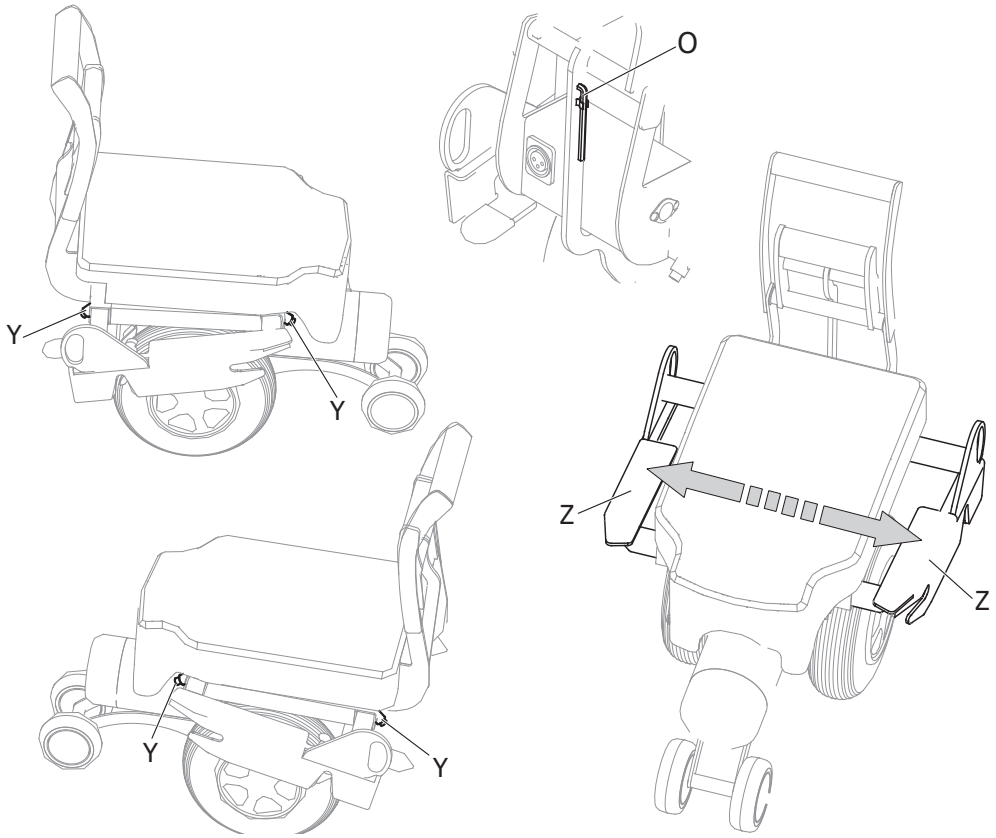
It is required that the wheelchair is equipped with a mounting set for E-Walk in order to mount E-Walk to the wheelchair.
The assembly set consists of two side plates with associated fastening material. On the side plates are pins [AA&AB] that the base unit attaches to. Assembly instructions for each mounting set must be followed, information on which wheelchair models E-Walk can be mounted on can be found on Decon's website, www.decon.se



WARNING!
To mount E-Walk on a wheelchair, a mounting set is required, which is ordered separately and is not included in deliveries of E-Walk. The mounting set must be assembled by a trained technician.

Width adjustment

E-Walk base unit can be adapted to different widths of wheelchairs. Allen key [O] for width adjustment is mounted on the base unit. Adjustment to different widths of wheelchairs is done by loosening the set screws [Y] using the Allen key [O] for width adjustment and then adjusting the side pieces [Z]. When adjusting, place E-Walk's base unit between the side plates of the wheelchair and then adjust the side pieces [Z] so that they rest against the side plates of the wheelchair. Check that E-Walk base unit is centered between the side plates, then tighten all set screws [Y].



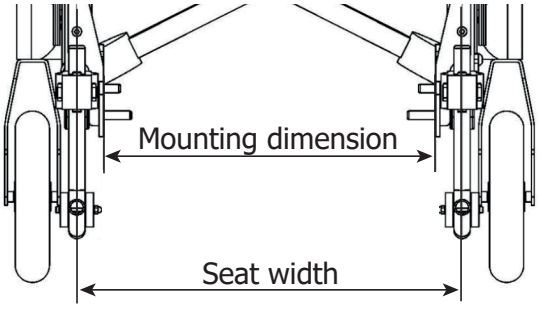
The side pieces [Z] are available in the following versions:

Mounting dimensions: 292-440mm	Article number: 350165A
Mounting dimensions: 407-560mm	Article number: 350165B
Mounting dimensions: 527-680mm	Article number: 350165C
Mounting dimensions: 256,5-416mm	Article number: 391165
Mounting dimensions: 254-416mm*	Article number: 391165

* To achieve attachment dimensions of 254mm, the front attachment pin [AB] must not be longer than 9mm.

INFO

The attachment dimension is calculated by taking the seat width of the wheelchair minus 90mm.

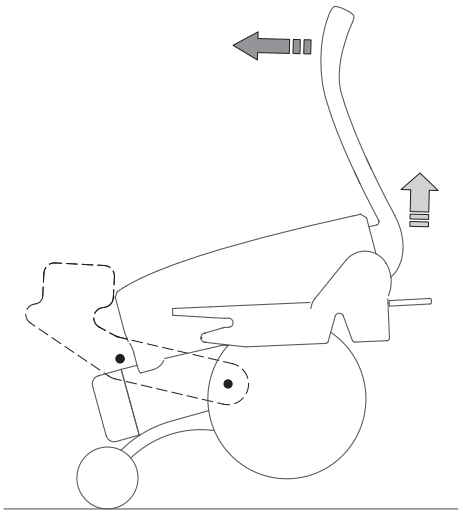


Attaching the base unit to the wheelchair

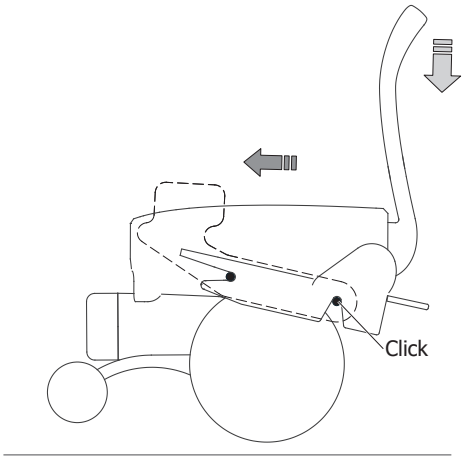
The base unit can be attached to the wheelchair in a few simple steps without the use of tools. This is done in the following steps.

1. Activate the wheelchair's parking brakes

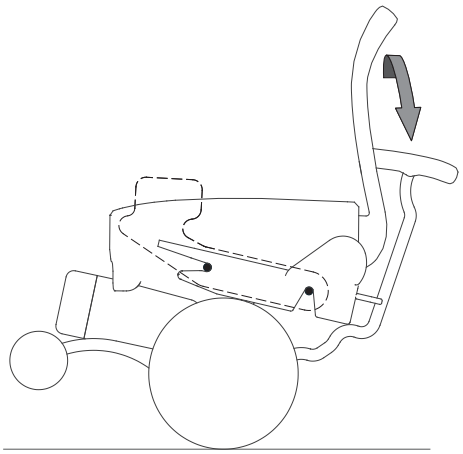
2. Grasp the upper handle [R] and roll the base assembly of the front pair of wheels [H] under the wheelchair so that the front attachment [J] goes past the rear pins [AA] of the mounting plates.



3. Make sure the front attachment [J] of the base unit grips the front pins [AB] of the mounting plates and lower the base unit over the rear pins [AA] so that the rear attachment [K] of the base unit grips the rear pins [AA] and a ***click*** is heard.



4. Lower the base unit drive wheel [I] by grasping the lower handle [Q] and folding it down.



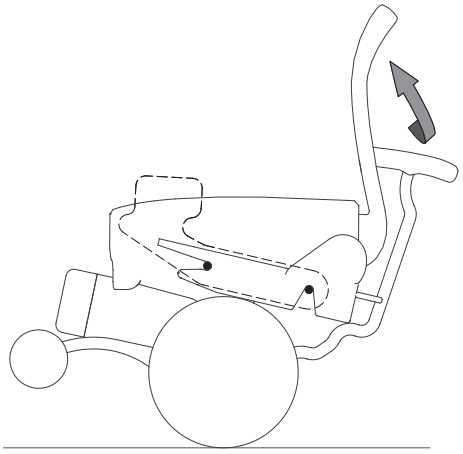
WARNING!
Be careful not to pinch your hand or fingers when using the handle to lower or raise the drive wheel. Hold onto the handle throughout the movement.

Removing the base unit from wheelchair

The base unit can be detached from the wheelchair in a few simple steps without the use of tools. This is done in the following steps.

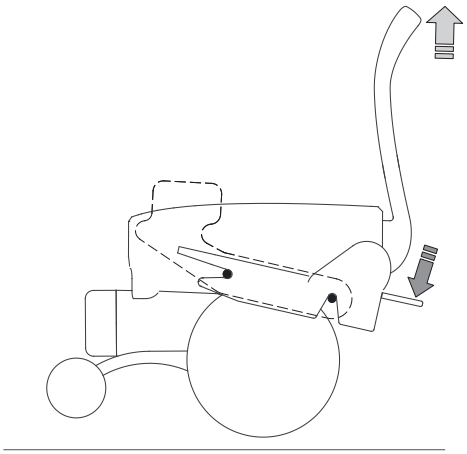
1. Activate the wheelchair parking brakes

2. Raise the base unit drive wheel [I] by grasping the lower handle [Q] and lifting it up.

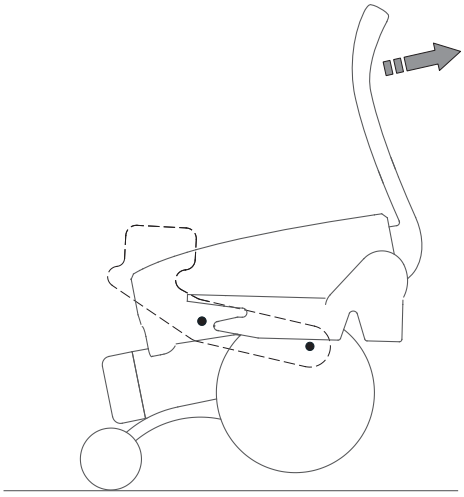


WARNING!
Be careful not to pinch your hand or fingers when using the handle to lower or raise the drive wheel. Hold onto the handle throughout the movement.

3. Depress one of the release pedals [M] and lift the base unit using the upper handle [R] so that it detaches from the rear pin [AA] of the mounting plate.



4. Now pull the base unit out of its bracket from the wheelchair.

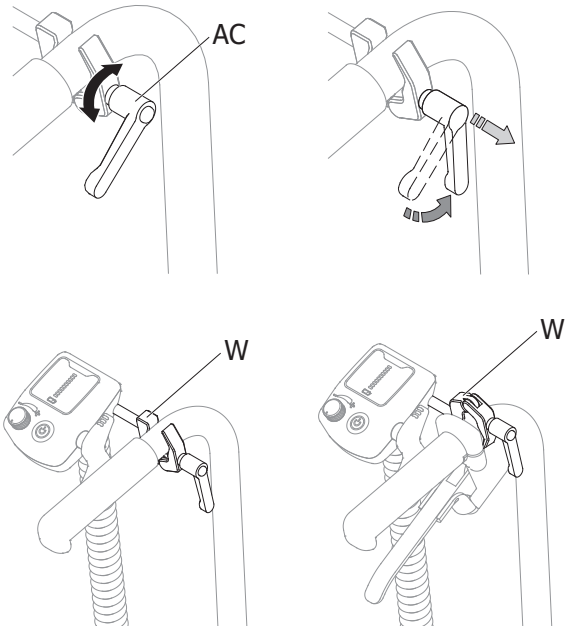


Attachment of controller

General

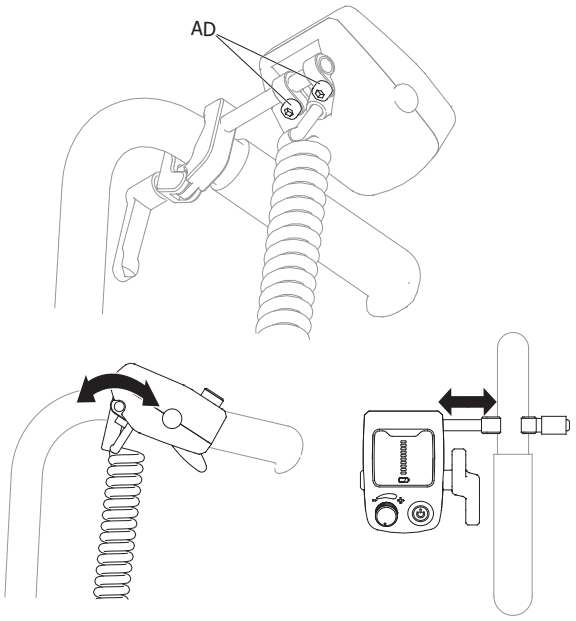
The controller can be mounted on the wheelchair's handle or frame in just a few simple steps without the use of tools. The clamp [W] is opened and closed by rotating the handle [AC]. To tighten the clamp [W] on the wheelchair's driving handle, rotate the handle [AC] clockwise and finish by pulling the handle [AC] outwards and position it in the desired position.

The clamp [W] can be mounted both upwards and downwards depending on whether, for example, the wheelchair is equipped with a brake handle, see image for example of the various mounting options. As standard, the controller is assembled to be mounted on the wheelchair's right side handle.



Adjustment

The position of the controller can be adjusted both in angle and side to suit the current wheelchair model and user. Both settings are made by loosening the screws [AD] located on the underside of the controller, use the Allen key [O]. After the adjustment is complete, tighten the screws.



WARNING!
When installing the steering control, check that its throttle operates freely and does not touch or rest against any part of the wheelchair. If the throttle grips or rests against any part, this can lead to the throttle sticking and an accident can occur.

Running E-Walk

WARNING!
The user must have read and understood the user manual and have an understanding of the various controls and user interfaces that E-Walk is equipped with.

WARNING!
Before the patient takes a seat in the wheelchair or leaves the wheelchair, the wheelchair brakes must be activated and E-Walk must be switched off so that the wheelchair cannot roll away.

WARNING!
E-Walk must under no circumstances be controlled by the patient sitting in the wheelchair.

Driving tips
The following tips may help improve control and comfort during operation of E-Walk

INFO
Adjust the driving speed to a level that feels safe for both the operator and the occupant. Reduce speed when driving uphill or downhill to maintain control. Releasing the throttle will stop E-Walk.

INFO
When driving on ramps, it is recommended to drive forward when going uphill and reverse when going downhill.

INFO
Whenever possible, use lowered or sloped curbs. Avoid high obstacles and select routes with smooth transitions.

INFO
When driving over small obstacles or low curbs (< 8 cm), reduce speed and tilt the wheelchair slightly before passing the obstacle.

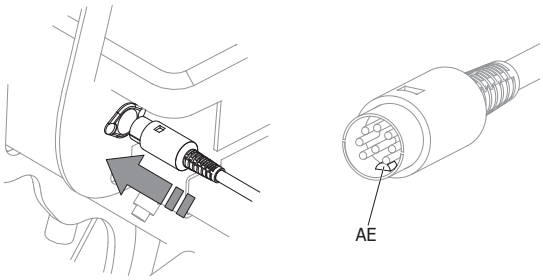
INFO
Driving on slopes may affect the occupant's seating position. Pay attention to balance and stability during operation.

INFO
For manual wheelchair operation without motor assistance, ensure that E-Walk is set to disengaged mode.

INFO
Always turn off E-Walk when leaving the wheelchair unattended.

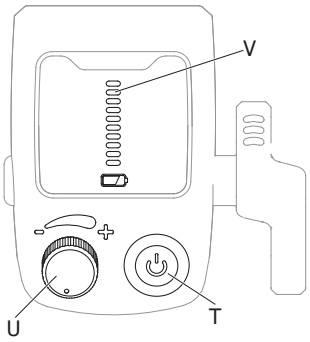
In order to drive E-Walk, you must have first connected E-Walk's base unit to the wheelchair according to the paragraph "Attaching the base unit to the wheelchair" and mounted the controller according to the paragraph "Attachment of controller".

1. Activate the wheelchair's parking brakes
2. Plug the controller into the socket [N] of the base unit.



INFO
In the connector on the controller there is a recess [AE], this should point downwards.

3. Press the main switch [T] on the controller. The light in the main switch and the battery indicator [V] now lights up.
4. Maximum speed is controlled using the speed regulator [U]. This is turned towards "+" to increase maximum speed and towards "-" to decrease maximum speed.

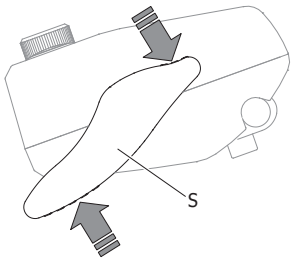


WARNING!

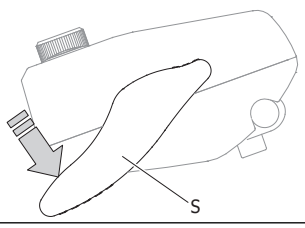
Start with a low speed that feels safe for both you as the user and the patient. Then slowly increase the speed to the desired walking speed.

WARNING!
Avoid sudden start or stop commands. Abrupt wheelchair movement may cause the occupant to lose balance and could result in a fall or injury. Before operating E-Walk, ensure that the occupant is properly seated and prepared before starting or stopping.

5. Release the wheelchair parking brakes.
6. Driving forward is done by turning/pressing the throttle [S] clockwise. There are two points on the throttle that can be used either individually or simultaneously for forward driving.



7. Driving backwards is done by turning/ pressing the throttle [S] counterclockwise on the rear part of the throttle.



WARNING!

Do not hang objects (bags, backpacks etc.) near the steering control! If these objects come into contact with the controller's throttle control, E-Walk may unintentionally start moving.

WARNING!

The stopping distance on slopes can be significantly greater than on level ground.

WARNING!

It is not permitted to drive E-Walk on slopes or ramps with an inclination greater than 6 degrees (10.5%) with a user weight of 150 kg.

WARNING!

Avoid driving where the surface is soft or uneven (eg sand, mud, snow, ice or through deep puddles). We recommend that E-Walk is only used on smooth and firm ground.

WARNING!

When driving or parking on slippery surfaces or in sloping terrain, E-Walk's wheels can slip.

WARNING!

Do not operate E-Walk near a device that produces strong radio waves. If E-Walk is near a source of radio waves and starts to operate abnormally, immediately turn off the power, and quickly move away from the location. If a mobile phone is to be used in direct connection to the wheelchair, E-Walk must be switched off.

The weak electromagnetic waves emitted by E-Walk may affect other electronic devices, such as automatic doors and anti-theft systems of stores. In this case, turn off the power and drive the wheelchair manually.

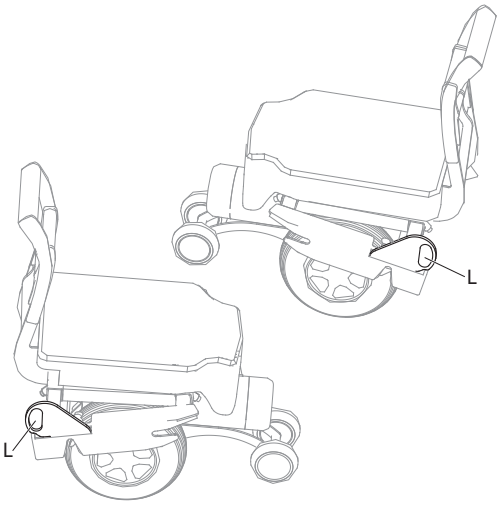
Transport and storage of E-Walk

WARNING!

E-Walk can be transported connected to the wheelchair, then use the marked load securing points to secure E-Walk during transport. The wheelchair must be secured for transport in its own load securing points, see the wheelchair manufacturer's instructions.

Transport of E-Walk

1. Turn off the power to E-Walk.
2. Remove the battery from E-Walk to prevent sudden power-on during storage or transport.
3. Load E-Walk into the car.
   a. Lift E-Walk by the upper handle [R] and the front pair of wheels [H] when loading.
   b. Be careful not to damage the base unit when loading.
4. Secure E-Walk.
   a. Secure E-Walk in its transport brackets [L] to prevent it from moving while traveling and hitting surrounding objects.



Tips for transport

- The product contains sensitive electronic parts. Do not subject the product to strong, directed shocks or blows.
- Load as upright as possible.
- If you load E-Walk lying down, make sure that the parts of the base unit cannot be damaged before securing.

Tips secure E-walk

- Secure E-Walk with straps and place shock-absorbing material under and around E-Walk.

Boarding an aircraft

When you book a flight, you should always inform the airline in advance that you are bringing an electric drive unit for a wheelchair and follow their instructions. Give the airline detailed information about this at the time of booking. When flying, the Lead (Gel) battery must be used with the following specifications:

Description:	Lead battery E-Walk
Part number:	MCG201-1
Voltage:	24 V (2X12V)
Capacity:	12 Ah (288 Wh)
Type:	Gel

Storage of E-Walk

1. Turn off the power to E-Walk.
2. Store E-Walk in a place with normal indoor temperature and low humidity.
3. To wipe off dirt or stains before storage, use a tightly wrung-out towel.

If E-Walk is not to be used for an extended period of time, longer than 3 months, check that E-Walk is working properly every 3 months.



WARNING!

Do not store E-Walk where it may get wet from rain or in places with high humidity.



WARNING!

Avoid storage in direct sunlight or high temperatures.

Long term storage of E-Walk (more than 3 months)

1. Turn off the power to E-Walk.
2. Store E-Walk in a place with normal indoor temperature and low humidity.
3. To wipe off dirt or stains before storage, use a tightly wrung-out towel.
4. Charge the battery until six bars are displayed on the controller's battery indicator [V] before storing it. Check every 3 months that the voltage in the battery has not dropped to too low a level. If one or no battery bars are displayed, recharge the battery to six bars again

After long term storage of E-Walk, the following must be checked and carried out before putting it into use:

- Battery status, charge if needed.
- Check that cables and connectors are undamaged and connected.
- Turn on the power to E-Walk and check controller functions (before using it together with a wheelchair).



WARNING!

Do not store E-Walk where it may get wet from rain or in places with high humidity.



WARNING!

Avoid storage in direct sunlight or high temperatures.

Battery and charger

As standard, E-Walk is equipped with a LiFePO4 24V/18Ah battery. As an alternative, E-Walk can be purchased with maintenance-free gel-type lead batteries 24V/12Ah (2x12V).

WARNING!
Only use batteries approved by the manufacturer. Installation of a non approved or incompatible battery may result in malfunction or unsafe operation of the device. Incorrect battery characteristics may lead to overheating, release of hazardous gases, or fire during charging or use. This may cause serious injury or damage to the surroundings.

Ambient temperatures for the battery

When used on E-Walk	-25°C to +50°C
For storage, removed from E-Walk	10°C to +25°C
When charging	5°C to +30°C

E-Walk is delivered with an off-board charger.

Charger for LiFePO4 battery	Type 2840, 8-cell LiFePo4 Battery Charger
Charger for Lead battery	Type 2440 / MCG2002, Lead Acid Charger

The charger is intended for indoor use only and has an environmental protection rating of IP41.
Charger connector has the following pin assignment
Pin 1 Positive (+)
Pin 2 Negative (-)
Pin 3 Inhibit

WARNING!

The charger is intended for indoor use only. Do not expose the charger to rain or other sources of moisture.

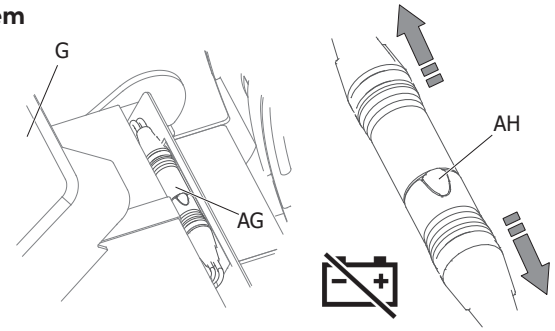
WARNING!
Do not carry the charger on the wheelchair.

Charging the battery for E-Walk takes place with the battery placed in the base unit. The charger for E-Walk is equipped with a light to show the charging status. When the charger is connected to the wall socket and the lamp shows green light, the charger can be connected to the charging socket. When the charger is connected to the charging socket and the battery is being charged, the charger shows a red light.

When the battery is fully charged, the lamp lights up green. A fully discharged battery can take up to 4 hours to charge to full capacity.

Means to disconnect the battery system

Open the Battery cover [G] and locate the battery connector [AG]. Disconnect the battery system by pushing down on the lock mechanism [AH] and at the same time separating the two connectors.



Battery indicator

The E-Walk Controller is equipped with a battery indicator [V] showing the current battery charge level. Before using the E-Walk for a longer period of time it is always recommended to fully charge the battery.

LiFePO4 battery (MCG4755)



Fully charged battery



Battery near depletion, about 1km of remaining driving distance

Lead battery (MCG4055)



Fully charged battery



Partly discharged battery



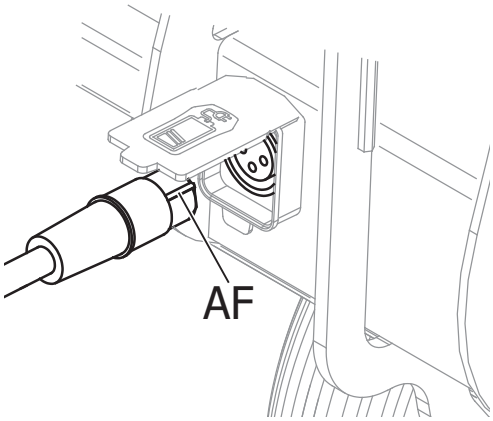
Battery near depletion, about 1km of remaining driving distance

INFO

Battery life varies depending on usage and storage conditions, travel conditions, temperature, and charging method. Batteries are consumables. If the distance you can travel on a single charge becomes significantly shorter, consider it as time to replace the battery with a new one.

Charging E-Walk battery

1. Connect the charger to a wall outlet.
2. Check that the lamp on the charger lights up green.
3. Open the protective cover of the charging socket on the base unit and connect the charger to the socket. Make sure that the tab of the cable connector [AF] fits into the groove of the socket.



INFO
Check that the light on the charger lights up red. This indicates that charging is in progress.

INFO
Always verify that charging has started and is ongoing by checking the charging indicator. If charging is interrupted or not started correctly, the battery may remain partially charged. This may lead to reduced driving range or the wheelchair not operating as expected.

4. When charging is complete, disconnect the charger from E-Walk and from the wall outlet

Battery storage

Store the batteries in a cool and dry place (a place with a temperature between 10-25°C is optimal for storage). If you plan not to use E-Walk for an extended period of time (3 months or more), charge the battery until six bars are displayed on the controller's battery indicator [V] before storing it. Check every 3 months that the voltage in the battery has not dropped to too low a level. If one or no battery bars are displayed, recharge the battery to six bars again.

WARNING!

Avoid storage in direct sunlight or high temperatures.

Care

Cleaning

If E-Walk becomes dirty due to normal use, clean E-Walk with a damp, tightly wrung out towel. If E-Walk is heavily soiled, use a towel and a neutral detergent. Make sure that no detergent remains on E-Walk after cleaning.

! CAUTION!
Never rinse E-Walk with a water hose or high pressure washer. Do not use a steam cleaner to clean E-Walk. The electronic devices can be damaged, which can lead to serious malfunctions.

! CAUTION!
Do not clean with solvents such as benzine or thinner. This can damage the paintwork and plastic parts of E-Walk.

INFO
A cloth and alcohol-based sanitiser is suitable to disinfect E-Walk.

Corrosion

All parts of E-Walk that can be exposed to corrosion are made of aluminum, stainless steel or steel. The materials and the transitions between the materials have been surface treated, therefore there is no increased risk of corrosion. Regardless of this, you should always wipe wet or damp surfaces of E-Walk with a cloth after use.

Repairs

- The user must not repair or service E-Walk himself
- The user must not personally remove and send parts of E-Walk to the dealer for repair.
- If repair is necessary, contact your dealer, even if the fault is of a minor nature.
- If parts are damaged or missing, contact your dealer immediately. Return E-Walk to the dealer to have parts replaced or repaired.
- For normal maintenance, repair or service always contact the dealer. If E-Walk is not repaired or all parts are not used during assembly, the user, bystanders or property may be injured.
- To carry out repairs and service, the dealer uses the service manual, spare parts catalog and other documentation. This documentation is not available to the user and the public.

Fuse replacement

There are two replaceable fuses on E-Walk. One is a 25A main fuse which is located near the battery connector under the battery cover [G]. The second fuse for the controller is located on top of the S-drive motor control [F] and is rated at 2A.

Maintenance and periodic checks

The following checks are part of regular maintenance and are not a substitute for the pre-use safety check described in the Safety section.

Before each ride:
Check that the tires are undamaged, there should be at least 1mm tread depth. Defective or worn tires must be replaced by the dealer.

Monthly:
Check (the base unit) for play or wear in the lower handle [Q] and its mechanism. Worn parts must be replaced by the dealer.

Yearly or as needed:
Check (base unit) screws and nuts and tighten if loose.

Lubricate joints and wheel axles using suitable grease.

Important:
If any defect, damage or abnormal function is detected during these checks, do not use E-Walk until the issue has been resolved.

Troubleshooting

If the system is not responding:

1. Check that the connector for the controller is correctly mounted in the base unit
2. Check the On/off button
3. Check that the battery is charged
4. Check the fuses

Reuse

When E-Walk is to be handed over to a new user, all technical documentation must also be handed over. The product must be professionally cleaned, disinfected and serviced.

Waste disposal

When E-Walk has reached its end of life and is to be scrapped, contact your local authorities for recycling information and follow their instructions.

Alternatively, you can contact your dealer for recycling of your used E-Walk with the associated battery.

Error codes

	The battery must be charged or the connection to the battery is bad. Check the connection to the battery. If it is good, you can try charging the battery.
	The connection to the motor is bad. Check all connections between the motor and the control unit.
	There has been a short circuit between the motor and the battery. Contact the service representative.
	Not in use
	Not in use
	The control unit is prevented from driving E-Walk. This may be due to the battery charger being plugged in.
	There is something wrong with the throttle signal. Make sure the throttle is off before starting E-Walk.
	There is something wrong with the throttle. Make sure all connections are tight.
	The parking brake is poorly connected. Check the connection between the parking brake and the motor, and make sure that the connections to the control unit are secure.
	The controller has been subjected to excessive voltage. It is usually caused by poor battery connection. Check the battery connections. The controller is not in its “zero position” when the switch is turned on.

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