

INSTALLATION AND OPERATING INSTRUCTIONS FOR THE PRODUCT

xRover ePower Assist



The exclusive manufacturer and originator of the product is:

**Volter s.r.o., ID No.: 29051886 K l i m e n t s k á 1 2 1 6 / 4 5 Prague
1 110 00**



E-mail: info@volter.cz

Made in the Czech Republic.

Thank you for purchasing accessories for xRover medical wheelchairs. This product is compatible with all models and variants of xRover Reha wheelchairs, and we believe it will serve you well for a long time.

The xRover ePower Assist product complies with the following standards:

ČSN EN 12184 ed. 3:2023 - Electrically powered wheelchairs, scooters, and their chargers, and related standards. ISO 7176 – category of use – Class C

WARNING !
Before using the xRover ePower Assist , please read this user manual carefully.



CAUTION:

If you have received the xRover ePower Assist as an additional accessory, read this manual carefully and follow the instructions starting on page 2. If you already have the xRover ePower Assist accessory installed on your wheelchair, **skip to page 13 of the manual** – "Operating Instructions" and read the instructions for use carefully.

xRover ePower Assist



Installation instructions



Introduction

Thank you for purchasing xRover ePower Assist for your xRover wheelchair. We believe that it will be a valuable aid for you and that you will be as satisfied with it as you are with your wheelchair.

Before installation and use, please read the enclosed installation manual and instructions for use carefully. Volter s.r.o. strongly recommends that you read and understand all user information supplied with this product before using it for the first time. This is the only way to ensure that the product functions as intended by the manufacturer.

Pay particular attention to the correct fastening of all mounting elements, electrical connections, and controls. It is not complicated, but please note that you will be driving the main part of the electric drive with the xRover cart on public roads and in difficult terrain, so it is necessary to pay maximum attention to the safety of the entire assembly. Once assembled and adjusted, you will have a great helper for everyday use as well as weekend or holiday adventures.

We wish you many wonderful experiences with your xRover.

The Volter s.r.o. team

General user information

Failure to follow these instructions may result in physical injury, damage to the product, or damage to the surrounding environment.

Notice to users or clients: Any serious accident involving this device should be reported to the manufacturer and the competent authority of the Member State in which the user or patient is located.

Volter s.r.o. also recommends that you do not discard the user information, but keep it in a safe place for future reference.

If you need a version of the "xRover ePower Assist ELECTRIC DRIVE OPERATING INSTRUCTIONS" for people with visual, reading, or other cognitive impairments, use modern online/offline tools (e.g., Speechify, Voice Dream Reader, and others) to interpret this version of the MANUAL in the required format, or use the read-aloud function in your specific browser, or contact the manufacturer or your dealer.

Combination of medical devices

This medical device accessory is currently only compatible with xRover Reha S, M, and L products in all variants. It is not approved for installation on other medical devices.

Relevant instructions for the combination, e.g., for installation, can be found in this manual.

If you have any questions about the use, maintenance, or safety of your auxiliary drive, please contact the manufacturer Volter s.r.o.

Do not use this auxiliary drive until you have read and understood this manual. Follow the instructions in this manual.

Delivery:

Your new auxiliary drive is delivered assembled and packed in a cardboard box. To prevent damage during transport, loose parts or parts to be assembled are packed separately and stored in a cardboard box.

Unpacking:

-  Check the packaging for damage during transport.
-  Remove all packaging material. Carefully remove the auxiliary drive from the box and check that the delivery is complete.
- Check all parts for scratches, cracks, dents, deformities, or other defects.

WARNING:

If you find any damage or missing parts, contact your supplier or dealer immediately.

CAUTION!

The xRover ePower Assist may only be used with the supplied connection system and the appropriate frame clamps for your xRover Reha wheelchair. The xRover ePower Assist must be delivered in a ready-to-use condition by Volter s.r.o. or an authorized dealer.

- Fully charge the battery before first use. See Chapters 8.8 and 8.9.

WARNING:

Wherever torque settings are specified, we recommend using a torque wrench (not

included) to verify that the correct torque specification has been achieved. Unless otherwise specified, the standard torque for M6 screws is 7 Nm.

⚠ CAUTION:

Some of the screws used by the manufacturer are threadlocked (blue/red dot on the threads) and can be removed and reinstalled a maximum of three times. They must then be replaced with new threadlocked screws. Alternatively, you can use Loctite™ 243. Apply threadlocker to the screws and screw them back in.

Assembly instructions

(if you have purchased an xRover with the main part of the electric drive already installed, skip straight to the instructions for use) 1/ the main part of the electric drive itself

2/ Set of clamps for attaching the main part of the electric drive to the cart

3/ Battery holder with keys for locking the battery

4/ Battery

5/ Control display

6/ Control lever

7/ cable braid

8/ mounting device for securing clamps

9/ Set of Allen keys for easy fastening of all parts 1/2/3

10/ Key for locking the battery in the holder

11/ Extension straps for the rear bag of the cart

12/ gauge for cutting off part of the foam on the cart handle

13/ Electrical tape 1 pc

14/ charger

Assembly procedure

1/ Remove all three wheels from your xRover stroller (x rear wheel 20" and front wheel either 6" or jogging set) and rear bag (backpack).

2/ Ideally, place the xRover on a table (it can also be on the floor) or another place where you can easily

handle it.

3/ Loosen the quick-release clamps on the brakes so that they can be turned, and lay the xRover on its left side so that you can work on the rear axle.

4/ Place the mounting fixture on the rear axle as shown in the photo. The raised pin should be facing forward.



PHOTO OF ATTACHING THE JIG

5/ Adjust and tighten the quick-release clamps on the brakes so that the bottom of the brake block fits flush with the device and the lower reinforcement of the rear axle.



PHOTO OF THE JIG ALIGNMENT

6/ Remove the mounting device from the xRover by pulling on one side.

7/ Take the set of clamps and use a No. 5 Allen key to unscrew the two lower clamps from the assembly.



8/ Grasp the upper clamps, which are connected by a bar, and place them on the rear axle from the bottom of the trolley. **CAUTION – THE CONNECTING BAR MUST FACE THE FRONT OF THE TROLLEY!**

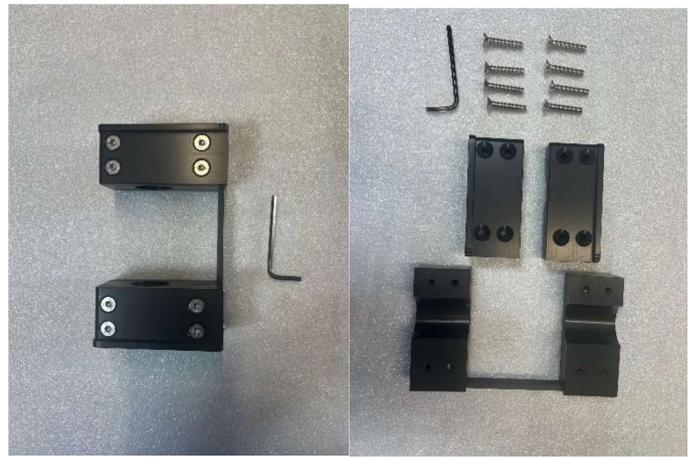
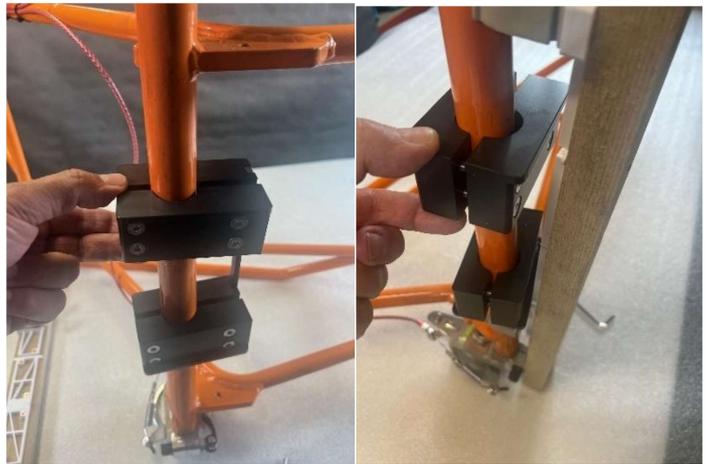


PHOTO 2X INSTALLATION OF AXLE CLAMPS

9/ Lightly screw the lower clamps to them from your side so that the entire assembly can be easily moved along the rear axle. **DO NOT TIGHTEN!**



10/ Grasp the clamp assembly with your left hand and slide it to the center of the rear axle so that the connecting bar points forward and the entire assembly is parallel to the bottom of the xRover.



PHOTO FASTENING THE CLAMPS WITH THE MOUNTING JIG

11/ Grasp the mounting jig with your right hand and place it first against the lower part of the rear axle. The rails on the lower two clamps must fit into the cutouts in the jig.

12/ Snap the jig onto the rear axle. Check that the jig aligns with the brake blocks and the lower reinforcement of the rear axle. Check that the clamps fit precisely in the jig.

13/ Once everything is aligned and correct, take a 5 mm Allen key and screw the clamps that are now at the top together tightly. CAUTION – TIGHTEN EVENLY SO THAT THE SAME GAP REMAINS BETWEEN THE CLAMPS ON BOTH SIDES OF THE AXLE!!!



PHOTO OF ELECTRIC DRIVE INSTALLATION

17/ Now adjust and lightly tighten the remaining two clamps below you so that the main part of the electric drive fits into the clamp rails, but there is still about 2 mm of clearance so that it can be easily inserted. Tighten through the mounting holes in the bottom plate of the main part of the electric drive. CAUTION – TIGHTEN EVENLY SO THAT THE SAME GAP IS ALWAYS REMAINS BETWEEN THE CLAMPS ON BOTH SIDES OF THE AXLE!!!

PHOTO OF CORRECT SPACING BETWEEN

CLAMPS 14/ Carefully remove the mounting jig.

15/ Take the main part of the electric drive, slide out both locking latches and secure them in the open position. Loosen the latches on the top of the drive body.

16/ From the rear of the xRover, slide the main part of the electric drive around until it stops in the clamps on the rear axle.



PHOTO VIEW OF THE CLAMPS AND THE MAIN PART OF THE ELECTRIC DRIVE FROM BELOW PLUS AN ALLEN KEY IN THE HAND

Try to attach and remove the main part of the electric drive several times.

18/ If everything works, slide on the main part of the electric drive and tighten all the clamps firmly, as well as the screws on the connecting bar. You're done! Congratulations.

19/ Now remove the main part of the electric drive and place the xRover on a table or on the floor in its basic operating position.

20/ Prepare the battery holder, Allen key no. 4, and any marker or highlighter.



PHOTO OF BATTERY HOLDER

21/ Unscrew the black steel clamps on the battery holder and set their loose halves aside.

PHOTO OF UNSCREWED CLAMPS BATTERY HOLDER

22/ Take the battery holder and gently place it on the rear tube of the xRover in the backrest area.

23/ Place it in the center of the tube and mark the position of one or the other clamp with a marker.

24/ Take one of the clamp halves and place it underneath, then gently screw it together using an Allen key. Repeat the process with the other clamp. DO NOT TIGHTEN! Leave the battery holder hanging freely on the tube.

PHOTO OF THE HANGING BATTERY HOLDER



25/ Now prepare a gauge for cutting the foam handle cover, a sharp knife, a display, a control lever, and a No. 3 Allen key.

26/ Fold the handle of the trolley towards you. Place the gauge against the brake holder and use a marker to mark how much foam needs to be cut off. Carefully cut the foam evenly around the circumference of the handle. Then cut the now unnecessary piece of foam lengthwise and remove it from the handle.

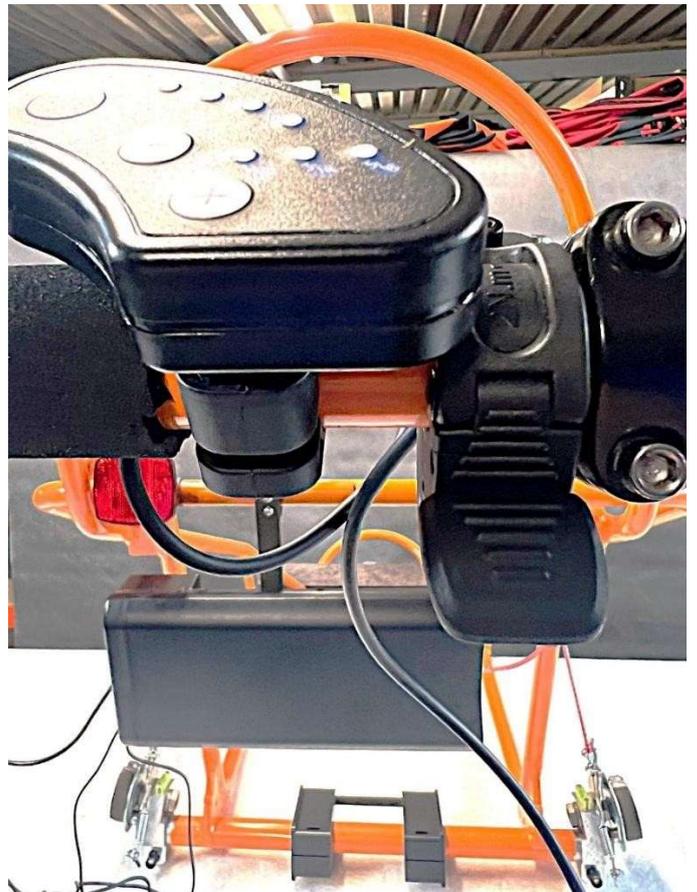
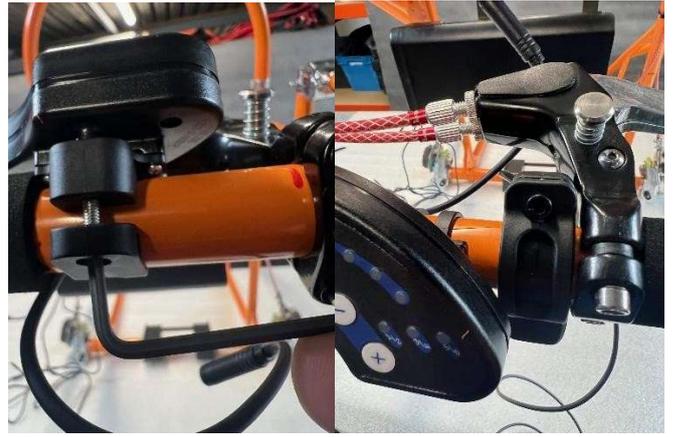
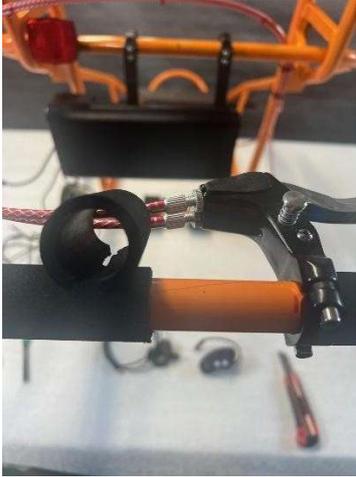


PHOTO CUTTING FOAM FROM HANDLE

27/ Take the display and loosen the screw on its clamp. Slide it onto the handle and move it all the way to the foam cover of the handle. Lightly tighten the screw.

28/ Grasp the control lever, loosen the screw on its clamp, and slide it onto the handle. CAUTION! The lever works when pressed down (like a car accelerator pedal). Make sure it is in the correct position! Move the lever so that when you hold the handle, you can reach the brake with your index finger and other fingers, while your thumb is used to operate this "switch" lever. Adjust it to a comfortable position for your hand. Lightly tighten the screw.

PHOTO ASSEMBLY OF DISPLAY AND GAS

29/ Now you need to connect the cables from the

display and lever to the cables from the battery holder. Take the cable coming out of the "switch" lever (yellow center) and connect it to the cable coming out of the battery holder (yellow center). Route this cable so that it goes around the battery holder on your right.

CAUTION! Connect both cables according to the arrows marked on both cables. It is necessary to snap them firmly into place, otherwise the moisture protection will not work.



⚠ CAUTION

The connectors are protected against polarity reversal and can only be connected in one way. Be careful not to damage the pins in the connectors during installation.

30/ Connect the display cable (both black center and cut side of the ring terminals) using the same procedure. Again, connect according to the arrows.

⚠ CAUTION

You must press firmly, otherwise the IP44 moisture protection will not work.

31/ Now it's time to attach the cables to the xRover. Prepare the braided spirals starting with number 1. Grasp both cables at the display and lever outputs and gently wrap them around braid no. 1 about 3 times. Then wrap the braid around the cables and brake Bowden cables at the same time. Braided cable no. 1 should be long enough to reach the point where the Bowden cables are attached to the xRover frame. Behind this attachment, continue with braided cable no. 2 and then braided cable no. 3.





PHOTO MIDDLE KNIT

PHOTOS OF KNITTED SPIRAL PARTS

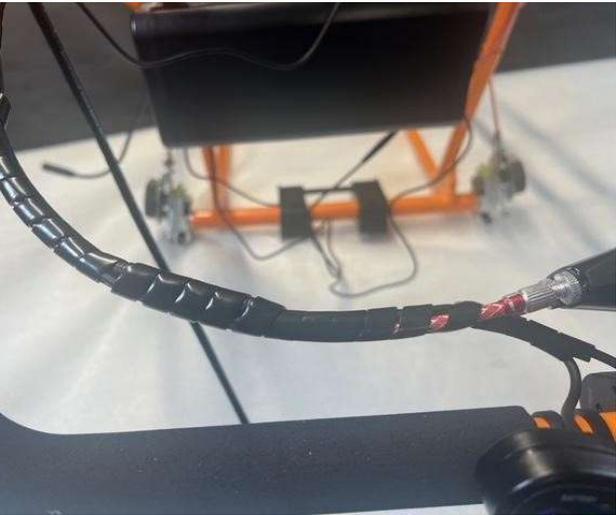


PHOTO OF UPPER BRAID

PHOTO OF THE LOWER BRAID

32/ After finishing the braiding, make a small bundle from the excess length of the cables and secure it with electrical tape from below to the left L-profile of the battery holder so that it does not protrude anywhere and does not interfere with anything.

33/ Press the battery holder so that it follows the slope of the xRover backrest and tighten it securely.



FREE CABLE FASTENING CORRECT HOLDER INCLINE

34/ Take the rear bag/backpack and attach the extension straps to the two lower straps on the sides.



PHOTO OF BACKPACK EXTENSION STRAPS



PHOTO OF BACKPACK STRAP EXTENSION

35/ Secure the bag/backpack back onto the xRover

34/ Remove the xRover from the table or lift it off the ground and attach all 3 main wheels to your xRover. Take the main part of the electric drive, tilt the xRover with your left hand and slide the electric drive onto the clamps with your right hand until it stops. Release the locking latches.



ELECTRIC DRIVE AND BATTERY CABLE CONNECTORS



PHOTO OF ELECTRIC DRIVE AND BATTERY CABLE CONNECTIONS

35/ Now stand on the left rear side of the xRover and connect the cable from the main part of the electric drive to the cable from the battery holder. CAUTION! Follow the arrows exactly. Insert firmly so that the contact is protected from moisture.



PHOTO OF BATTERY INSERTION AND PHOTO OF BATTERY SWITCH

36/ Lift the handle of the cart and now finally adjust the position of the display and levers to the ideal position for you. Tighten firmly (without using excessive force).

37/ Insert the battery into the holder and push it in until you hear and feel it click into place.

38/ Turn on the battery on the bottom. If the display lights up and the xRover responds to the "switch" lever, your installation has been done correctly.



IDEAL CONTROL POSITION

LIGHTED DISPLAY

Congratulations, we can now proceed to the instructions for using the electric drive.

Operating instructions xRover ePower Assist

CONTENTS

Combination of medical devices	3
Delivery:	3
Unpacking:	3
ATTENTION!	3
WARNING!	3
CAUTION!	3
<u>Operating instructions</u>	
13	
NOTICE:	14
Dear Customer,	14
2.0 Use The xRover ePower Assist, which attaches to the xRover Reha wheelchair, improves the mobility of disabled persons in their everyday lives. It is intended for personal use in buildings and outdoor environments.	14
2.1 Area of application The xRover ePower Assist enables the user to safely cover long distances in an ergonomic and environmentally friendly manner when transporting a disabled person. It significantly extends the user's "range,"	14
The maximum load weight (including the user and the weight of all accessories mounted on the auxiliary drive) is indicated on the xRover Reha wheelchair's nameplate. The nameplate is located on the frame and is also listed in the operating instructions.	14
Service life	14
• DANGER!	14
Contraindications	15
Indications	15
Maintenance and service	15
WARNING!	15
3.0 Operating conditions	15
• WARNING!	16
DANGER!	16
4.1 Safety instructions – before each ride	17
• CAUTION!	

... 17	
4.2 Safety instructions – during driving	17
• WARNING!	17
4.3 Safety instructions after driving	17
5.0 Warranty	17
Warranty conditions:	17
5.1 Liability	18
6.0 Handling	18
Delivery:	18
6.1 Unpacking:	18
6.2 Storage:	18
6.3 Transport:	18
WARNING!	18
CAUTION!	18
Safety:	18
8.0. Battery and charger	21
8.1 Introduction	21
Safety instructions for the battery and charger	22
WARNING!	22
• DANGER!	22
CAUTION!	22
8.1. Safety instructions and precautions for battery use	22
WARNING!	22
• WARNING!	23
8.3 Safety instructions and precautions for the charging process	23
WARNING!	23
• DANGER!	23

WARNING! 23

As transport regulations may change from year to year, we strongly recommend that you contact your carrier, airline, or shipping company to find out about the current regulations before traveling with your auxiliary drive. A defective battery must not be transported by air or in your luggage.

.....

23 **WARNING:** 23

- **WARNING!** 23
- **8.6 Notes on transport by air** 24
- **WARNING!** 24
- **8.7 Turning the battery on and off** 24

NOTICE: 24

⚠WARNING! 24

8.8 Displaying the battery charge status 25

8.9 Disconnecting the battery 25

NOTICE: 25

8.9. Charging the battery 25

WARNING: 25

Before plugging the plug into the socket, both parts must be clean and free of metal particles. If you find any such particles, wipe them off with a dry, clean cloth. 25

The auxiliary drive must not be used during charging. 25

⚠WARNING! 26

8.10 Battery warranty: 26

9.0 Technical data: 26

11.0 Cleaning and hygiene 29

Cleaning: 29

⚠CAUTION! 29

Hygiene measures 29

- Before the xRover is used by anyone other than the original owner, it must be carefully prepared. All surfaces that come into contact with the user must be treated with a disinfectant spray. 29
- You must use a disinfectant approved or recommended in your country that ensures rapid disinfection based on alcohol for medical products and devices that need to be disinfected quickly 29
- Follow the instructions of the manufacturer of the disinfectant you are using. 29

12.0 Disposal and recycling 29

13.0 Manufacturer's label 30

Definition of terms used in this operating manual

Word	Definition
 DANGER!	Recommendation for users, failure to comply with which poses a potential risk of serious injury
 WARNING!	Inform users of the risk of injury if the recommendation is not followed.
 CAUTION!	Recommendations for users; failure to comply with these recommendations may result in potential damage to the device
WARNING:	General recommendations or best practices
	Reference to additional documentation

NOTICE:

- Write down the address and phone number of your local service technician in the box below.
- In case of a malfunction, contact them and try to provide all the important details so that they can help you quickly.
- The auxiliary drive, whose pictures and description can be found in this manual, may not be exactly the same as your model in every detail. However, all instructions apply in full regardless of differences in details.
- The manufacturer reserves the right to change the weights, dimensions, and other technical parameters listed in this manual without prior notice. All values, dimensions, and performances listed in this manual are approximate and do not constitute specifications.

1.0 Foreword

Dear Customer,

We are delighted that you have chosen the high-quality xRover ePower Assist product.

This user manual contains advice and

recommendations that will help make your new xRover ePower Assist a reliable companion in your daily activities.

At Volter s.r.o., we place great emphasis on good customer relations. That is why we would like to keep you informed about news and development trends. If you need spare parts or accessories, or if you just want to ask a question about your auxiliary drive, we are always ready to help.

We want you to be satisfied with our products and services. At Volter s.r.o., we are constantly working on the further development of our products. For this reason, changes may occur in the design of our products as well as in the area of technology and equipment. Therefore, claims cannot be made based on the information or images in this user manual.

Volter s.r.o., as the manufacturer, declares that this product complies with the requirements of the Medical Devices Regulation (2017/745).

2.0 Use The xRover ePower Assist, which attaches to the xRover Reha wheelchair, improves the mobility of disabled persons in their everyday lives. It is intended for personal use in buildings and outdoors.

2.1 Area of application xRover ePower Assist enables the user to safely cover long distances in an ergonomic and environmentally friendly manner when transporting a disabled person. It significantly extends the user's "range of action".

Weight/load

The maximum load weight (including the user and the weight of all accessories mounted on the auxiliary drive) is indicated on the xRover Reha wheelchair's nameplate. The nameplate is located on the frame and is also listed in the operating instructions.

Service life

The expected service life of this product is 5 years, provided that:

- It is used strictly in accordance with its intended purpose and in accordance with these Instructions for Use.
- All required service and maintenance is performed.

⚠ DANGER!

Do not install any unapproved electrical equipment on the xRover Reha wheelchair.

Contraindications

Electric pulling and auxiliary devices must not be used by users with the following conditions:

- perceptual disorders
- loss of balance
- loss of both arms
- Joint contractures or joint damage in both arms
- Physical and mental inability to safely operate the towing device in all operating situations (turning, braking, etc.)
- Inability to meet legal requirements for use on public roads.

Indications

- Persons with physical disabilities, persons with reduced mobility, persons with varying degrees of musculoskeletal disorders, persons with lower and upper limb disabilities, or persons with varying degrees of paralysis.
- Typical diagnoses include cerebral palsy (CP), muscular dystrophy, neurological diseases, genetic syndromes, autism (e.g., in children with mobility impairments or sensory overload), mental retardation, and the like.
- xRover ePower Assist is designed for installation on all models and variants of xRover Reha wheelchairs, which can be used by almost all persons suffering from basic or even advanced types of disabilities – visual, hearing, mental, internal. It can also be used by persons with cognitive disorders, mental illnesses, and other types of disorders.

Maintenance service

- Contact your dealer/distributor once a year to arrange for regular servicing of the electric drive by an authorized service organization.
- The cost of regular servicing is paid by the customer/owner of the electric drive.

- After the service is completed, request a "service record/annual inspection certificate."
- In the event of a complaint, the dealer/distributor will require you to provide "service records" for the last 3 years as part of the complaint report.
- If the "service records" are not provided, the complaint will be rejected.

WARNING:

Please note that driving the xRover wheelchair with the ePower Assist attachment requires sufficient cognitive, physical, and sensory abilities. The user must be able to assess the effects of activities resulting from the use of the xRover wheelchair with the additional ePower Assist Assist and, if necessary, take corrective action. These abilities and the safe use of retrofitted components cannot be assessed by Volter s.r.o. as the manufacturer. We cannot accept any responsibility for any damage resulting from this fact.

Read the operating instructions for the xRover Reha wheelchair and additionally installed accessory components. Familiarize yourself with the safe use of the xRover wheelchair with ePower Assist and additionally installed components and accessories. Read, understand, and follow the relevant warnings.

3.0 Operating conditions

The xRover ePower Assist can handle driving on gravel roads, paved roads, sidewalks, and paved forest roads with varying terrain. Do not drive on unpaved or loose surfaces (e.g., loose gravel, sand, mud, snow, ice, and deep puddles), as this could expose the passenger to unforeseen risks. It could also damage the xRover ePower Assist. Furthermore, it cannot perform its function in these environments and conditions, as it is not designed for this purpose.

Please note that xRover ePower Assist with a maximum speed setting higher than 6 km/h is only permitted on public roads in certain countries. In other countries, this setting may only be used on private roads. If road traffic laws do not allow it, the xRover ePower Assist must not be used on public roads, cycle paths, or sidewalks. It is your responsibility to familiarize yourself with the legislation in the country of use and any mandatory insurance for the xRover ePower Assist. When riding with the xRover ePower Assist, always check the relevant legislation in the country of use.

4.0 General safety conditions and restrictions for riding

The technology and design of this xRover ePower Assist provide maximum safety. The individual components meet or exceed the currently applicable international safety standards.

However, users may still be at risk if the xRover ePower Assist is used incorrectly. For your own safety, it is essential that you strictly adhere to the following rules.

Unauthorized modifications or settings increase the risk of accidents. As a user of the xRover ePower Assist, you are also a participant in everyday traffic on roads and sidewalks like anyone else.

We would like to remind you that, as a result, all traffic regulations apply to you.

Be careful when riding this device for the first time. Familiarize yourself with this device.

WARNING!

- Exceeding the maximum permissible load can lead to damage to the xRover ePower Assist, loss of control, or serious injury to the user, the person being transported, and other persons.
- Be careful when using the xRover ePower Assist. For example, approach obstacles such as stairs, curbs, road edges, or slopes very slowly.
- The xRover ePower Assist has not been tested and is not approved according to ISO 7176-19. Therefore, it is not permissible to transport users in the xRover wheelchair in a vehicle when the xRover ePower Assist is connected or not connected. When transporting a combined unit consisting of an auxiliary drive and a wheelchair, the person being transported must move to a seat in the vehicle. They must not sit on the combined unit of the xRover Reha wheelchair and xRover ePower Assist. The combined unit (without the person being transported) must be secured and prevented from moving during transport.
- This xRover ePower Assist add-on is designed to transport only one person. Any other use is contrary to its intended purpose.
- The xRover ePower Assist may only be used by a person who, based on their physical and mental abilities, is capable of operating it on public roads.
- Please note that when driving on public roads, you are subject to the laws governing traffic on public roads.
- If you are a beginner, ride the xRover ePower Assist with extreme caution.
- Familiarize yourself with the braking distance at different speeds.
- Familiarize yourself with the applicable traffic laws!
- You can achieve stable straight-line driving by avoiding sudden changes in direction while

driving.

- The three-wheeled cart may tip over during sudden maneuvers or when cornering at high speeds.
- Always hold the xRover handlebar with both hands when driving, braking, or maneuvering. Otherwise, there is a risk of accident. The driving speed must correspond to the technical capabilities of the drive, the terrain, and the driver's abilities.
- Only drive on asphalt or paved, smooth roads.

- Be careful when driving over curbs, steps, potholes, etc., as there is an increased risk of tipping over.
- Your driving style must correspond to your abilities.
- Ride slowly and carefully, especially when turning corners.
- Do not touch the motor/wheel, as it may be very hot.
- The additional xRover ePower Assist must be serviced by your dealer at regular intervals (at least once a year).
- Do not touch moving parts while riding or when the device is switched on, as there is a risk of your fingers getting caught. Always drive carefully.
- If you expose the xRover ePower Assist to direct sunlight/external heat sources or low temperatures for a long period of time, its components may become very hot (>41 °C) or very cold (<0 °C).
- The xRover ePower Assist accessory must not be used during storms, heavy rain, snowfall, or on slippery or damaged surfaces.
- Only use product combinations approved by Volter s.r.o.
- The standard version of your device has been tested in accordance with applicable electromagnetic radiation requirements (requirements for electromagnetic compatibility). Despite these tests:
 - It cannot be ruled out that electromagnetic radiation may have a negative effect on the driving characteristics of the towing device. For example:
 - a mobile phone
 - bulky medical device
 - electric generators
 - high-voltage sources
 - other sources of electromagnetic radiation
 - It cannot be ruled out that the towing device may be disrupted by electromagnetic fields. For example:
 - store doors
 - security alarm systems in shops
 - remote garage door opening

If you encounter any problems, which should not happen, consult your dealer immediately.

DANGER!

CHOKING HAZARD – This xRover ePower Assist uses small parts that may pose a choking hazard under certain circumstances. The device shown in the pictures and described in this manual may not be

exactly the same as your model in every detail. However, all instructions apply in full regardless of differences in detail.

WARNING The xRover ePower Assist shown in the pictures and described in this manual may not be exactly the same as your model in every detail. However, all instructions apply in full regardless of differences in detail. The manufacturer reserves the right to change the weights, dimensions, and other technical parameters listed in this manual without prior notice. All values, dimensions, and performances listed in this manual are approximate and do not constitute specifications.

4.1 Safety instructions – before each ride

CAUTION!

- Visually check the condition of the xRover ePower Assist bike (including the wheels of the xRover Reha cart), spokes, and rims, as well as the tires for damage and pressure. The correct air pressure is indicated on the tire.
- Low or high tire pressure has a negative effect on braking, wear, and riding characteristics.
- Always check the tread depth on the tires.
- Check that the brakes are working properly. Do not use the xRover ePower Assist if the brakes are not 100% functional!
- Take care not to damage the Bowden cables. There is a risk of the cable and wire becoming entangled when connecting and disconnecting the device.
- Visually check the xRover ePower Assist fork for damage (e.g., cracks and breaks).
- Check all components, especially screws, to ensure they are properly tightened.
- Check that the handle of the xRover Reha wheelchair is properly secured.
- Check the connection between the auxiliary drive and the xRover Reha wheelchair.
- Check the frame and components of the xRover Reha wheelchair for damage (e.g., cracks).
- Check the reflective light elements to ensure they are working.
- Check all cables and electrical connections.
- Check that the battery is properly secured and fully charged.
- Turn on the battery and check the LEDs.

4.2 Safety instructions – while driving

⚠ WARNING!

- Familiarize yourself with the device on a flat surface before you start driving up or down slopes.
- Always hold the xRover Reha handlebar firmly with both hands, otherwise there is a risk of accident.
- Always adjust your speed to your abilities and the traffic or terrain conditions.
- Pay particular attention when crossing steps, road edges, slopes, or dangerous areas.
- When turning, reduce your speed to walking speed. Always apply the brake when waiting at a pedestrian crossing, traffic lights, on slopes and descents, and on ramps.
- When driving on the sidewalk, observe the maximum speed limit (walking speed).
- When driving on public roads, always follow the rules of the road.
- Avoid riding on unpaved or loose surfaces (e.g., loose gravel, sand, mud, snow, ice, or deep puddles).
- Avoid sudden changes in direction.
- Avoid driving along the contour line of a slope.
- Do not turn on a slope.
- When riding uphill, the traction of the bicycle and the effect of the brakes are reduced. Ride in such a way that you can always stop safely.
- Towing the additional main part of the electric drive is not permitted.
- Riding on stairs is not permitted.
- Always cross obstacles, such as curbs, perpendicularly at very low speed to avoid tipping over and possible injury.
- When crossing or passing obstacles, no part of the xRover may become caught. Otherwise, this may result in a fall, serious injury, and damage to the product.
- When driving on wet surfaces, there is a risk of skidding because tire traction is limited. Adjust your driving style to the conditions.
- To slow down the auxiliary drive, always use the throttle release and then the main brake.
- Avoid sudden braking when cornering.

4.3 Safety instructions after driving

Immediately after driving, switch off the device battery to prevent accidental starting or movement caused by unintentional pressing of the throttle lever/controller.

Switching off also saves the battery.

5.0 Warranty

Warranty conditions:

1. The 24-month warranty covers manufacturing or material defects in all components from the date of delivery of the auxiliary drive to the customer. Defective components will be replaced or repaired free of charge within this period. The warranty only covers manufacturing defects.
2. To make a warranty claim, contact your equipment supplier, e.g., an authorized Volter s.r.o. dealer or healthcare provider, and provide detailed information about the nature of the problem. If you use the device outside the coverage area of Volter s.r.o. customer service, repairs or replacement will be carried out by another representative designated by the manufacturer. The device must be repaired by Volter s.r.o. customer service (dealer).
3. We provide a warranty on parts that have been repaired or replaced under the warranty in accordance with the terms of this warranty for the remaining warranty period of the device in accordance with point 1).
4. Original spare parts installed at the customer's expense are covered by a 12-month warranty (from installation) in accordance with these warranty terms and conditions.
5. This warranty does not apply if the repair or replacement of the product or part thereof is required for the following reasons:
 - a. Normal wear and tear, including batteries, armrests, upholstery, tires, brake pads, etc.
 - b. Product that has been overloaded. The maximum weight is indicated on the manufacturer's label.
 - c. This is a product or part whose maintenance or service has not been performed in accordance with the manufacturer's recommendations as specified in the user manual or in the Assembly Instructions or Instructions for Use.
 - d. Accessories that are not specified as original accessories.
 - e. The xRover or its components have been damaged as a result of negligence, accident, or misuse.
 - f. Changes/modifications have been made

to the product or its parts

changes/modifications that differ from the manufacturer's requirements.

- g. Repairs were made before Volter s.r.o. customer service was notified.

6. The warranty is subject to the legal provisions of the country in which the product was purchased from Volter s.r.o. * This means the Volter s.r.o. facility where the product was purchased. **5.1 Liability**

If the auxiliary drive:

- Is used in an inappropriate manner
- Is not maintained in accordance with the maintenance schedule
- Is put into operation and operated contrary to the instructions in this operating manual
- Repairs or other work have been carried out by unauthorized persons, components from another manufacturer have been installed, or connections have been made without the prior consent of Volter s.r.o., then Volter s.r.o. is not responsible for the safety of this product and the entire assembly.

• Warranty

- The warranty is valid only if the product is used under the specified conditions and for the purposes for which it is intended.

6.0 Handling

Delivery:

Your new auxiliary drive is delivered assembled and packed in a cardboard box. To prevent damage during transport, loose parts or parts to be assembled are packed separately and stored in a cardboard box.

6.1 Unpacking:

- Check the packaging for damage during transport.
- Remove all packaging material.
- Carefully remove the auxiliary drive from the box and check that the delivery is complete.
- Check all parts for scratches, cracks, dents, deformations, or other defects.

6.2 Storage:

The xRover ePower Assist must be stored in a low-humidity environment on an easily cleanable surface at an ambient temperature of 15–25 °C.

6.3 Transport:

It is not permitted to transport a person in an xRover wheelchair with or without an additional electric drive unit attached to the rear of the vehicle.

During transport of the combined unit consisting of

the xRover ePower Assist and the xRover Reha wheelchair, the person being transported must be moved to a seat in the vehicle. They must not sit on the combined unit. The combined unit (without the user) must be secured and prevented from moving during transport.

This label on the product indicates that the device has not been tested and is not approved according to ISO 7176-19. Therefore, it is not permissible to transport users in the xRover wheelchair in a vehicle, with or without an additional electric drive.

WARNING!

The product and all its components must be secured during transport in a vehicle to prevent damage (e.g., overturning) and to ensure that they do not pose a danger to other persons.

CAUTION!

When loading, make sure that the cables are not caught, kinked, or otherwise damaged.

The xRover ePower Assist must not be used with damaged cables.

Safety:

To protect your xRover ePower Assist against theft or other unauthorized use, use the battery lock and a suitable lock, such as a bicycle lock. If you are leaving for a longer period of time, turn off the xRover ePower Assist and remove the battery for security reasons.

7.0 Operating instructions and initial start-up of xRover ePower Assist

7.1 List of parts

The electric drive consists of 7 key parts:

The main part of the electric drive

- Set for attaching the main part of the electric drive to the rear axle
- Battery holder with keys for locking the battery
- Battery - Display
- Throttle lever

- Charger

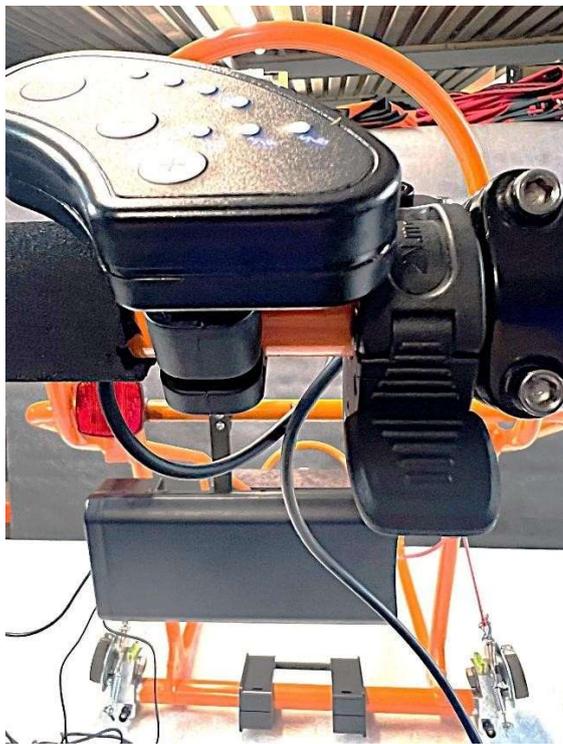


PHOTO HANDLEBAR – DISPLAY AND THROTTLE

7.2 Description of the location of individual parts.

- a/ The control display and the engine start lever are located on the handlebar of the cart.
- b/ The battery holder is located on the back of the cart behind the rear bag/backpack.
- c/ The lower axle has clamps with skids for sliding on the main part of the electric drive.
- d/ The battery, charger, and main part of the electric drive are available separately.

7.3 Preparing to start the main part of the electric drive

- a/ Grasp the main part of the electric drive, slide both locking latches to the upper position, and secure them by turning them slightly.



ELECTRIC DRIVE LATCHES EXTENDED AND SLIDING ONTO CLAMPS

b/ Tilt the xRover Reha wheelchair to the left with your left hand and slide the main part of the electric drive from the rear into the skids on the rear axle with your right hand. (You can also tilt the xRover wheelchair to the other side). Push it all the way in. Release and lower both locking latches. Both must fit into the selected holes on the skids. Pull backwards to check that the main part of the electric drive is securely fastened.



SLIDING ON THE MAIN PART OF THE ELECTRIC DRIVE



PHOTO OF THE CONNECTION BETWEEN THE ELECTRIC DRIVE AND BATTERY CONNECTORS

c/ On the lower left side of the xRover, next to the rear bag/backpack, you now have the battery cable and the cable from the main part of the

electric drive. Carefully remove the protective covers from both cables. Hold the cable from the main part of the electric drive in your left hand and the cable from the battery in your right hand. Rotate them towards each other so that the arrows on the ends of both cables point exactly towards each other. Insert the cables into each other and press them together. You will feel two clicks in succession. The cables are now securely connected and protected against water – IP66.

d/ Take the battery and insert it into the battery holder from the right. It is necessary to push it all the way in – you will hear a click. If necessary, you can lock it in the holder using the keys provided. The lock is located on the lower left side of the holder.



PHOTO OF BATTERY INSERTION

PHOTO OF BATTERY SWITCH

7.4. Starting the xRover ePower Assist e/ Now turn on the battery using the button on the lower right side. The control display on the handlebar will light up. The left side of the display shows the battery charge status – 4 green LEDs at the top of the display. The right side contains buttons that can be used to set a total of 6 forward speeds. (stable speeds – cruise control). Pressing the plus button always moves the mode up one speed level. The display always confirms the change by flashing. Once you have reached the highest level, pressing the minus button again will return you to the lowest level.

Button A has no function.

When the entire set is switched on, a stable operating speed of 2 km/h, i.e. the second gear, is always set automatically.

A total of 6 speed positions can be set.

Positions 1-5 are stable speeds at a given value. Simply press the switch lever to start the motor running at a constant speed.

Position 6 is a variator, i.e., the speed changes smoothly according to how deeply the switch lever is pressed. 1 km/h - only the bottom LED flashes

2 km/ - only the bottom LED lights up

3 km/ - the second middle LED flashes

4 km/h - the second middle LED is lit

5.5 km/h - the top LED flashes

variator 0-5.5 km/h - the top LED is lit



PHOTO OF THE ILLUMINATED DISPLAY

PHOTO OF THE CONTROLS

f/ Now attach the safety strap, which comes standard with every xRover, to your right hand. Place your right hand on the xRover handle so that your index finger to little finger rest on the xRover handle, while still being able to operate the brake. The thumb of your right hand is used to operate the switch lever. As soon as you press the lever, the xRover will start moving immediately. When you release the switch lever, the main part of the electric drive will stop automatically.

⚠ WARNING!

Stopping the xRover ePower Assist does not brake the xRover Reha wheelchair! To brake – park, you must use the parking button on the brake lever. Or use the additional parking brakes – if your xRover is equipped with them.



NOTICE:

If you do not want to use the xRover ePower Assist on certain journeys, it is necessary to remove it from the xRover. Riding without the xRover ePower Assist connected can damage the electric motor.

This also applies if you want to use the bike set and pull the xRover behind your bike!!! It is also completely inappropriate to use the xRover ePower Assist if you have the Beach set attached! If the drive wheel gets stuck in sand, the electric motor may overheat and be damaged. It is prohibited to use the xRover ePower Assist for driving into water! It is designed to safely travel on paved and unpaved roads, including normal moisture, puddles, etc. However, it cannot be used in such a way that the entire electric motor is submerged in water.

7.5. Disconnecting and removing the main part of the electric drive

Remove the main part of the electric drive as follows. Turn off the battery. Disconnect the battery cable from the cable of the main part of the electric drive by pulling it. Slide the caps onto the disconnected cables. Turn and pull to slide out and secure the locking latches of the main part of the electric drive. Slide the main part of the electric drive out of the skids and store it in a suitable place. You can leave the battery in the xRover, but if you do not plan to use the xRover ePower Assist again in the near future, it is better to remove it and store it in a suitable place. Recharge as needed. The battery status is shown on both the display on the xRover handle and the display on the battery itself when you press the button next to it.



PHOTO BATTERY DISPLAY

7.6 Maintenance of the main part of the electric drive

xRover ePower Assist can be cleaned with standard cleaning agents (kitchen detergents, car shampoos) without the use of bleaching or disinfecting additives, using a damp cloth, brush, etc. A quick rinse with water (not hot) of the main part of the electric drive is fine. CAUTION – water must not get into the connectors of the connection cable. Allow to dry after washing. It is completely unsuitable to use a hair dryer for drying, and it is prohibited to use a hot air gun or open flame. This may cause irreversible damage to the electric motor and wiring!!! Never use any abrasive cleaning agents such as kitchen scouring powder, thinners, solvents, gasoline, etc. for cleaning!

It is not necessary to lubricate individual components. The electric motor contains lubricant designed to last for its entire service life. The swing axle joint is pressurized with lubricant that should last for years of operation. However, if the fork of the main part of the electric drive ever moves with greater resistance to the spring, the necessary lubricant can be added via the Stauffer lubrication head on the joint. For this operation, visit an authorized service center or contact your supplier or the manufacturer, Volter s.r.o.

The display and lever on the handle can be wiped with a damp cloth or sanitary wipes. All provisions in Chapter 2.1 on Maintenance and Service also apply.

7.7 Transporting the xRover with the main part of the electric drive

When folding the xRover with the main part of the electric drive, extra care must be taken to ensure that the display and switch lever are not damaged when folding the xRover handle. If the battery is not inserted in the holder, it is necessary to place the xRover only on its right side so that rain or other water does not get into the open battery holder. Otherwise, the connectors and subsequently the entire battery could be damaged.

Always store the main part of the electric drive in the vehicle so that it cannot move freely and endanger the vehicle occupants or damage the vehicle or the xRover Reha itself.

8.0. Battery and charger

8.1 Introduction

-The battery supplied with the product may only be used in conjunction with the xRover ePower Assist from Volter s.r.o. No other components may be connected to it. Any other use is subject to the written consent of the manufacturer. This operating manual describes the use of the above-mentioned battery and corresponds to the status at the time of printing.

The manufacturer reserves the right to modify the auxiliary drive based on developments in mechanical component and software requirements and based on legal requirements. The manufacturer considers the following uses to be improper use of the battery:

- Use of the battery that contradicts the instructions and recommendations in this operating manual.
- Exceeding the technical limits specified in this operating manual.
- Technical modifications to the battery.

- Modifications to the battery software.
- Unauthorized installation or use of the battery.
- The manufacturer is not liable for any damage caused by improper use of the battery.

- Fully charge the battery before first use. The battery may be used at temperatures between (-15) and (+45) °C.
- The battery must not be exposed to heat (e.g., radiators) or fire. Exposure to an external heat source may cause the battery to explode.
- In the (unlikely) event of overheating or fire, the battery must not come into contact with water or other liquids. The only suitable extinguishing agent recommended by the battery manufacturers is sand.

Word	Definition
 DANGER!	Recommendations for users, failure to comply with which poses a potential risk of serious injury
 WARNING!	Inform users of the risk of injury if the recommendation is not followed
 CAUTION!	Recommendations for users; failure to comply with these recommendations may result in potential damage to the device
NOTICE:	General recommendation or best practice

- If possible, charge the battery after each use.
- For any use other than that specified by the manufacturer, it is necessary to obtain written consent from Volter s.r.o.
- The battery must not be opened or disassembled. Incorrect opening or intentional destruction of the battery may cause serious injury. In addition, opening the battery will void the warranty.
- Never connect the battery contacts in the charging socket to metal objects, or ensure that the contacts never come into contact with metal objects (such as metal filings).
- If the charging socket is dirty, clean it with a clean, dry cloth.
- Never immerse the battery in water. The battery life depends, among other things, on the storage location.
- Never leave the battery in a hot environment for long periods of time. Only use the trunk of a car parked in the sun for transportation, not storage.
- Do not expose the battery to mechanical shocks. If this has occurred, have the battery checked by the manufacturer. Contact a service technician.
- Do not use a damaged battery.
- If the battery is damaged or defective, it must be marked and inspected. Contact a specialist dealer to discuss the next steps for returning and repairing it.

Safety instructions for the battery and

charger **WARNING!**

Read and follow these safety instructions and precautions before activating the battery and starting the charging process.

DANGER!

Failure to follow the safety instructions and precautions may result in damage to the product, electric shock, fire, or serious injury. Lithium-ion batteries contain chemicals that can cause dangerous reactions if the safety instructions provided here are not followed.

CAUTION!

The manufacturer is not liable for damage caused by failure to follow these instructions.

8.1. Safety instructions and precautions

for battery use:

WARNING!

- Do not use or open a defective or damaged battery.
- Ensure that the battery is always clean and dry.
- Do not charge the battery on fire or on a heat-resistant surface.
- Do not place flammable or combustible objects near the battery.
- Improper handling may cause overheating, fire, or explosion.

8.2 Safety instructions and precautions for battery storage:

WARNING!

- Cover the battery immediately after disconnecting it from the charger or motor. Moisture or foreign particles (e.g., metal fragments, small nails, sawdust, or other conductive materials) must not be allowed to enter the battery.
- Do not expose the battery to moisture (water, rain, snow, etc.) during storage.
- Charge the battery before storage. Then check the condition of the battery every 3 months.
- Store the battery in a cool, dry place, protected from damage and unauthorized access.
- For optimal service life, the battery should be stored at a temperature of 10–25 °C and a humidity of 20–75%.
- See the technical data section for battery storage conditions.
- Do not expose the battery to direct sunlight.
- When not in use, charge the battery once every 12 weeks to prevent damage.

8.3 Safety instructions and precautions for the charging process:

WARNING!

- Only charge the battery in a well-ventilated, dry, and

dust-free environment.

- Do not charge the battery near flammable liquids and gases.
- Do not expose the battery to moisture (water, rain, snow, etc.) during charging.
- Do not charge the battery in damp areas that could have a negative effect on it.
- The battery may only be charged at temperatures between 0 and 40 °C. If the temperature is outside the specified range during charging, the battery will automatically shut down the charging process. Only use the charger supplied with the xRover ePower Assist to charge the battery. Never use other chargers, even if the connectors are compatible.

DANGER!

- Using an unsuitable battery charger may cause malfunction and shorten the battery life. There is also a risk of fire and explosion.
- Once charging is complete, unplug the charger from the power outlet and then disconnect it from the battery.
- Ensure adequate ventilation during charging. Always charge the battery under supervision.
- Damaged batteries must not be charged or used.
- Damaged battery chargers (damaged plug, cover, cable) must not be used.

8.4 Safety instructions and precautions for transporting and shipping the battery:

WARNING!

- The battery uses lithium-ion cells. All applicable legal requirements apply to the transport and shipping of the battery and must be strictly observed. For example, a defective battery must not be transported by air.
- If the battery is defective, hand it over to a specialist dealer in person, as the transport of lithium-ion batteries by post or other carriers is subject to strict regulations and directives. We recommend that you contact a specialist dealer again.

As transportation regulations may change each

year, we strongly recommend that you contact your carrier, airline, or shipping company to inquire about the current regulations before traveling with your auxiliary power unit. A defective battery must not be transported by air or in your luggage.

WARNING:

- If the battery is connected to the auxiliary drive during transport, more relaxed regulations apply in accordance with UN3481.
- Keep the original battery packaging for possible future transport.

8.5 Safety instructions and precautions for the charger:

WARNING!

- Before starting the charging process, read and follow all instructions and precautions in this operating manual, as well as the safety instructions and precautions.
- We recommend disconnecting the charger from the power outlet after charging is complete and then disconnecting it from the battery.
- Do not expose the charger to moisture (water, rain, snow, etc.) during charging.
- Do not charge the battery in damp areas that could have a negative effect on the charger.
- Be aware of water condensation. If you move the charger from a cold environment to a warm one, water may condense inside it. In this case, do not use the charger until all the condensed water has evaporated. Please note that this may take several hours.
- Never hold the charger by the power cord or charging cable.
- Do not pull on the power cord when disconnecting the charger from the power outlet.
- Never apply force to the cable or plug. Stretching or bending the cables, pinching the cable between the wall and window frame, or placing heavy objects on the cable or plug may result in electric shock or fire.
- Place the power cord and connected charging cable so that no one can step on or trip over them, and so that both cables are protected from

negative influences or tension.

- Do not use the charger if the power cord, charging cable, or plugs connected to the cables are damaged. Damaged parts must be replaced immediately by an authorized specialist dealer.
- Do not use or disassemble the charger if it has been subjected to a strong impact, dropped, or damaged in any other way.
- The charger must not be used by children.
- Never disassemble or modify the charger.
- Do not cover the charger or place any objects on it while charging.
- Never connect the charging plug contacts to metal objects.
- Ensure that the plug is properly inserted into the socket.
- Never touch plugs with wet hands.
- Do not plug in the charger plug or power plug when they are wet or dirty. Wipe the plug with a dry cloth before plugging it in.

8.6 Notes on air transport

The transport of lithium-ion batteries on airplanes is subject to strict regulations. Regulations may vary between airlines. Always contact the airline or carrier before transporting lithium-ion batteries or devices that use them on an airplane.

WARNING!

- The xRover ePower Assist battery contains lithium-ion cells. You must comply with the relevant legal regulations when transporting it.
- Regulations for transporting lithium-ion batteries on aircraft are subject to change. It is essential that you contact the air carrier or operator to obtain information on current regulations before you begin your journey or start planning your transport.
- Defective batteries may not be transported by air under any circumstances.
- If your battery is defective, consult your dealer for further instructions. In this case, special conditions apply to the transport of dangerous goods.
- Always turn off the battery before transport and protect the contacts on the

bottom of the battery against short circuits.

8.7 Switching the battery on and off

The switch (on/off) is located on the bottom of the battery body (A). Current flows only when the battery is turned on. The auxiliary drive can only be turned on when the battery is turned on. To turn on the battery, proceed as follows:

- Press the ON/OFF button on the battery housing. The red LED indicates that the battery is switched on.
- To turn off, press the ON/OFF button (A) again for 2 seconds.
- The battery will automatically turn off after 60 minutes of inactivity.

NOTICE:

Always turn off the battery when you are not using the auxiliary drive. This ensures that no current will flow and the risk of self-discharge of the battery is very low.

⚠ WARNING!

Always switch off the battery before removing the auxiliary drive.

8.8 Battery charge status display

The battery is equipped with an integrated charge status indicator. It is located on the front of the battery. You can use this display to quickly and easily check the battery charge status.



PHOTO BATTERY DISPLAY

Press the Battery level button (A): 3 green LEDs (B) =
100% charge, 2 green LEDs = 80% charge, 1 green LED =
50% charge, 1 red LED = 20% charge
The display will turn off after approximately 5 seconds.

8.9 Removing the battery

You can remove the battery for charging or to protect it against theft. To prevent unauthorized removal of the battery, it is secured in the holder with a lock.



PHOTO OF BATTERY LOCK

You can remove the battery as follows:

Turn off the battery (see "Turning the battery on and off").

Unlock the lock with the key. Insert the key into the lock and turn it 90° counterclockwise until it stops.
Leave it in this position.

Now you can pull the battery out to the right (in the direction of travel). Hold the battery at the top and slide it out to the side.

When installing, insert the bottom of the battery toward the bottom of the battery holder, then gently push the top of the battery

into the holder and push the battery to the left (in the direction of travel) until the battery clicks into the holder.



NOTICE:

The xRover ePower Assist comes with two identical keys. Always keep the keys stored separately and make a note of the key number.

8.9. Charging the battery

Fully charge the battery before first use. The battery capacity upon shipment is typically 30%. The battery can be charged to any capacity without adversely affecting its service life. The battery will achieve maximum service life when charged at an ambient temperature of (+10) °C to (+25) °C.



- The charging connector is located on the short outer side of the battery, see photo above. The connector has a rubber cover that must be opened before charging. After charging is complete, insert it back into the connector.
- The battery can be charged either removed from the auxiliary drive or inserted in it.
- When charging the battery, connect the charger supplied with the product. Remove the rubber plugs from the battery charging socket and connect the charging connector.
- Now plug the charger's power plug into a power outlet.
- The LED on the charger will light up red during charging.
- When the battery is fully charged, the LED on the

charger will light up green.

- The battery charge status indicator LEDs also show the current battery charge status.



CAUTION:

Before plugging the plug into the outlet, both parts must be clean and free of metal particles. If you find any such particles, wipe them off with a dry, clean cloth.

The auxiliary drive must not be used during charging.



WARNING!

- Do not leave the battery/batteries unattended during charging.
- Charging will stop automatically when the battery is fully charged. This prevents overcharging.
- Do not leave the charger plugged into the power outlet longer than necessary.
- Once charging is complete, unplug the charger from the power outlet and then disconnect it from the battery.
- Always check the battery charge status before starting charging.
- The battery must be fully charged before use in order to provide sufficient motor support.
- The battery may only be charged in a dry environment at temperatures between 0 and 40 °C.
- We recommend charging the battery before long-term storage, e.g., before winter shutdown, **and recharging it regularly (approximately every 12 weeks).**

8.10 Battery warranty:

Battery warranties are provided for the duration specified by the manufacturer. This battery, which is included in the xRover ePower Assist package and set, has a 12-month warranty. However, most of these warranties include a wear and tear clause, and if the battery wears out within 24 months of proper use months, you will not receive any compensation under the warranty.

9.0 Technical data

General data:

Operating voltage	36 V
Range	up to 50 km* (with a 14 Ah battery)
Possible max. speeds	6 km/h; optional (speed can be regulated in 6 levels)
Flammability standards	Tested according to EN 12184
Maximum load capacity	Depending on the type of xRover trolley used
Total weight	From 9.5 kg (with a 14 Ah battery)
Device storage temperature	Tested according to ISO 7176-9, which allows an operating temperature range of -25 to +50 °C and a storage temperature range of -40 to +65 °C.

Overall length (max.)	210 mm
Total width (max.)	160 mm
Total height (max.)	280 mm

Motor specifications	
Wheel size	6" – solid rubber tire, full
Nominal voltage	36
Power	250 W (rated) 630 W (maximum)
Max. torque	13 Nm
Protection class	IP44
Motor noise	max. 65 ± 5 dbA at a distance of 1 m
Warranty	2 years
Motor weight	3.5 kg

Battery specifications	
Battery type	Lithium-ion
Nominal voltage	36
Capacity	14 Ah
Electrical energy	504 Wh
Discharge current	15 A (continuous) 18 A (less than 10 minutes) 35 A (less than 5 seconds)
Charging time	7 to 8 hours (approximately at a charging current of 2.0 A for a battery with a capacity of 14 Ah) / 3.5 to 4 hours (approximately at a charging current of 4.0 A for a battery with a capacity of 14 Ah).
Charging temperature range	0–40°C
Operating temperature	-15° to 45°
Storage temperature range	-15 to 45 °C (up to 1 month) / -15 to 35 °C (up to 6 months)
Maximum number of charging cycles	1000
Protection class	IP65
Warranty	2 years
Display	Charge status
Functions	Power switch
Battery weight:	2.4 kg (14 Ah)

Battery charger	
Input	100-240V AC
Charging voltage	42
Charging current	2.0 A
Protection class	IP20

Controller - Display	
Nominal voltage	36 V
Max. current	15 A
Protection class	IP54

Controller - Display	
Indicators	Battery charge level Riding level - 6 speeds

Thumb controller – switch lever	
Protection class	IPX4

Control unit – battery holder	
Protection class	IPX4

- The maximum longitudinal angle (in the direction of travel) for ascending and descending is 12°. If you need to stop and brake the xRover with ePower Assist on a slope, always position the cart across the slope or find a more suitable location. Do not park the cart on slippery surfaces with a slope, as there is a risk of unexpected slipping/sliding of the cart!
- The maximum side tilt (deviation from the vertical axis) during operation (transporting a person) is 20°. Exercise caution when moving on sloping terrain.
- The highest possible obstacle that the xRover with ePower Assist can cross is 10 cm. Higher obstacles must be carried, see the xRover Reha S, M, L user manual.
- All types and variants of xRover Reha wheelchairs are equipped with various reflective elements for use in low light conditions. The reflective elements are as follows: rear red reflector, front white reflectors, reflective strips on the sides and rear of the wheelchair. The 20" tires have a reflective strip around the circumference of the tire, and the rims have reflectors.
xRover Reha wheelchairs are not designed for use at night or in the dark. They do not have active lighting. If you want to use the wheelchair, including the xRover ePower Assist accessory, in the dark, you must equip it with active red lighting located on the rear of the wheelchair frame and white lighting located on the front of the wheelchair frame. Use lighting such as that used on bicycles or other lighting designed for this purpose.
The xRover ePower Assist assembly itself has no reflective elements or lighting.

* Range depends on terrain and prevailing driving conditions. The maximum range stated applies under optimal driving conditions (flat terrain, newly charged battery, ambient temperature of 20 °C, smooth driving, etc.). At lower temperatures, the range of the towing device may be lower than stated in the technical data.

10.0 Storage notes

Batteries:

- Cover the battery immediately after disconnecting it from the charger or motor. Moisture or foreign particles (e.g., metal fragments, small nails, sawdust, or other conductive materials) must not be allowed to enter the battery.
- Do not store the battery in damp areas to prevent corrosion of the plug contacts.
- Do not expose the battery to moisture (water, rain, snow, etc.) during storage.
- Charge the battery before storage. Then check the condition of the battery every 3 months.
- Store the battery in a cool, dry place, protected from damage and unauthorized access.
- For optimal service life, the battery should be stored at a temperature of 10–25 °C and a humidity of 20–75%.
- Do not store the battery in places where the temperature may exceed +45°C or fall below -15°C.
- Do not expose the battery to direct sunlight.
- When not in use, charge the battery once every 12 weeks to prevent damage.

xRover ePower Assist:

- Store the auxiliary drive in a dry place protected from rain and snow.
- During long-term storage, cover the auxiliary drive to protect it from dust.
- Do not store the auxiliary drive at temperatures above 45°C or below -15°C.
- If you do not use the auxiliary drive for a long time, we recommend turning it on once every 4 weeks. Let the wheels rotate at low speed for about 5 minutes so that the lubricating grease spreads over the entire bearing surface and prevents corrosion of the bearings.
- Before riding after long-term storage, check the brakes and the condition of the tires.

11.0 Cleaning and hygiene

Cleaning:

- Additional equipment: should be cleaned at regular intervals and after every long journey using commonly available cleaning agents and a small amount of water.
- The display, battery, and all electronic components may only be cleaned (wiped) with a damp (not wet) cloth.
- The drive wheel can be cleaned with a soft sponge or soft brush.
- The clamps on the trolley can be cleaned with water, a soft sponge, or a soft brush (recommended after each trip).
- After cleaning, lubricate the moving parts of the connection system with penetrating oil (e.g., WD 40, etc.).

CAUTION!

- Never use steam or high-pressure cleaners to clean the device.
- Never use abrasive or acidic cleaning agents.
- Water must not come into contact with electrical connectors.

Hygiene measures

- Before the xRover is used by anyone other than the original owner, it must be carefully prepared. All surfaces that come into contact with the user must be treated with a disinfectant spray.
- You must use a disinfectant approved or recommended in your country that ensures rapid alcohol-based disinfection for medical products and devices that need to be disinfected quickly.
- Follow the instructions of the manufacturer of the disinfectant you are using.

12.0 Disposal and recycling

WARNING:

- The xRover ePower Assist may not be your property if it was provided to you as part of a charity or loaned to you by a healthcare facility or health insurance company. If you no longer need it, return the additional drive to the organization that provided it to you.
- Electrical and electronic equipment must not be disposed of with normal household waste. Take it to a legally designated location for environmentally friendly disposal.

Materials used:

- The following section describes the materials used in the auxiliary drive in terms of disposal or recycling of the auxiliary drive and its packaging. There may also be special local regulations for disposal and recycling that must be followed when disposing of your auxiliary drive. (These may include cleaning and decontamination of the auxiliary drive prior to disposal.)

For detailed information, see the chapter on battery.

- Proper ecological disposal and sorting of used equipment prevents potential damage to health and the environment. This is a requirement for the reuse and recycling of used electrical and electronic equipment.
- For detailed information on the environmentally friendly disposal of used equipment, please contact your local authorities, an environmental disposal company, the specialist retailer where you purchased this product, or the sales department.
- This information applies to equipment installed and sold in European Union countries that are subject to EU Directive 2002/96/EC. Different regulations apply to the disposal of electrical and electronic waste in countries outside the European Union.

Aluminum:	Wheel hub, frame components, rear axle sleeves, handlebars, battery case holder
Steel:	Battery case clamps
Packaging:	Made from cardboard
Plastics:	Switch lever and display, battery case, wheel casing
Battery:	Lithium-ion battery (hazardous product)

Rev.D | English

13.0 Manufacturer's label

The manufacturer's label is located on the body of the main part of the xRover ePower Assist and is also shown in the user manual. The manufacturer's label shows the exact model name and other technical specifications. When communicating about a specific product, always include the SN number, which is a unique identifier.

SAMPLE

Type:	Description
	Degree of protection against external influences
	UKCA mark for the UK
	CE mark – the product complies with the relevant EU requirements for safety, health, and environmental protection.
	Operating instructions
	Follow the instructions for use
	Max. speed
	Electrical voltage / V = volts
	Motor power
	The cells contain lithium.
	Electrical equipment waste – must not be disposed of as unsorted municipal waste.
	Serial number
	Medical device
	Manufacturer's address
	Production batch
	Angle of inclination
	Warning – physiological effects not apparent to the operator
	Temperature range of use



LOT	Production batch
	ISO 7176-19 Transport in motor vehicles



The product does not belong in municipal waste. Return it to the seller or to a collection center for environmentally friendly disposal.

Notification

Any serious adverse event that has occurred in connection with the use of this medical device should be reported to the manufacturer and the competent authority of the Member State in which the user is established. In the case of the Czech Republic, the competent authority is the State Institute for Drug Control (SÚKL), Department of Medical Devices.

This PRODUCT INSTRUCTION MANUAL was issued on July 1, 2025, as version 1.1 2025. This version is revision 1.2 dated October 30, 2025, and is valid until a new revision is issued. The manufacturer reserves the right to change individual components due to technical developments in the product and accessories.



Manufacturer and

Volter s.r.o., Klimentská 1216/45, Prague 4, 110 00, Czech Republic

info@volter.cz www.volter.cz, www.xrover.cz

