

# ENJO

**User manual**

Version : 2023-11-09

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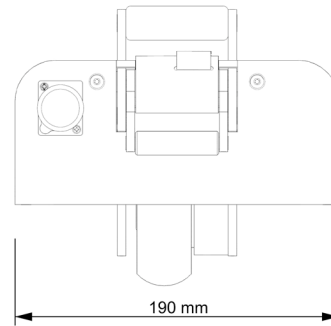
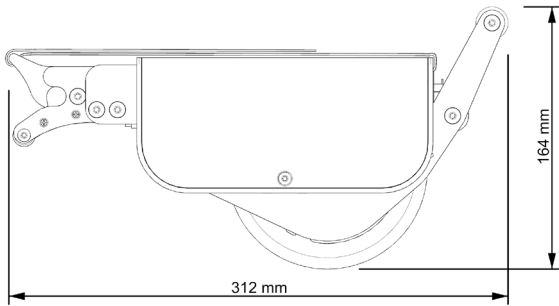
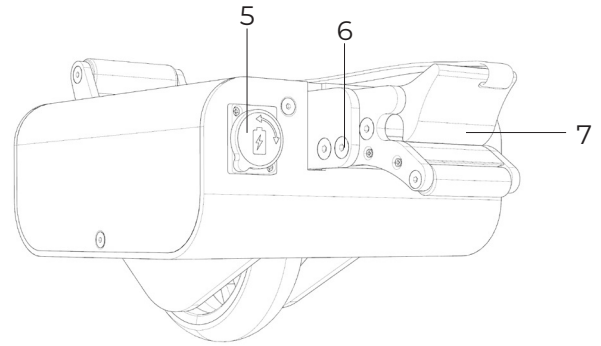
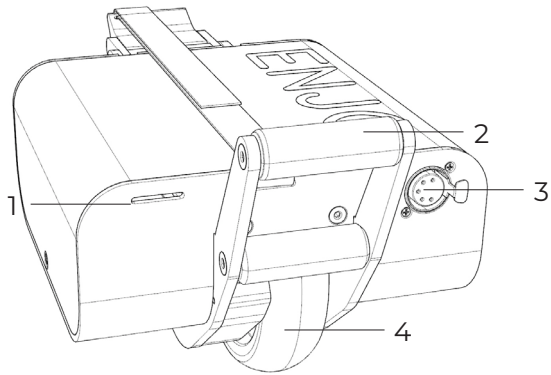
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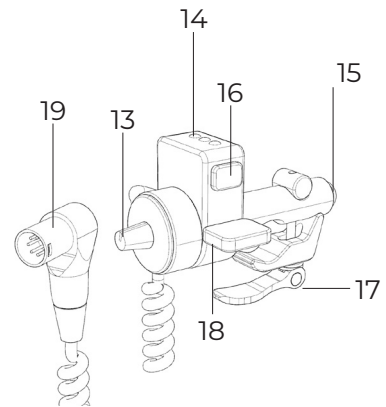
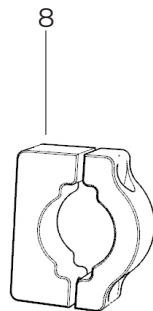
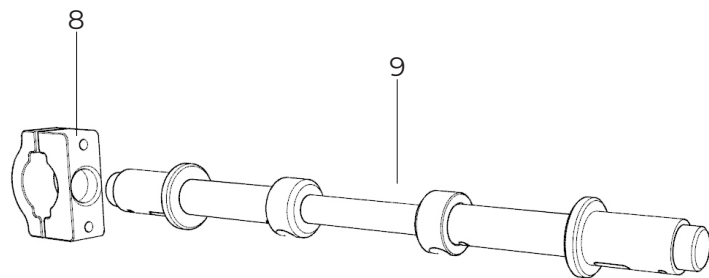
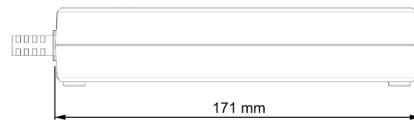
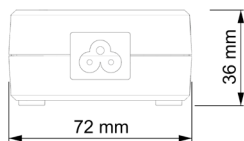
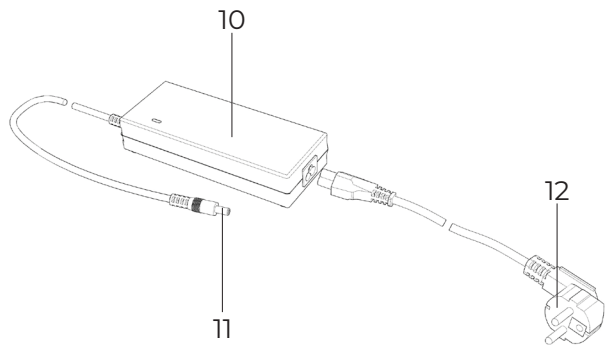
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# 1 Introduction

## 1.1 Precautions for use

The Enjo electric propulsion assistance is designed to help the accompanying person push the wheelchair and its occupant over a long distance or uphill. The auxiliary drive does not help the accompanying person to brake the wheelchair. Enjo has been designed to assist the accompanying person (hereafter referred to as the user) in propelling manual wheelchairs fitted with a manual brake. The accompanying person must be physically and mentally capable of using and braking a manual wheelchair in all situations without the aid of Enjo.

Enjo must not be modified in any way. Enjo must be used under the following conditions:

- Compliance with the indications, instructions and recommendations contained in these operating instructions.
- The appliance may only be used by a trained person.
- No technical modifications have been made by the user or by a third party.
- When using the Enjo, the arms of the person in the wheelchair must not extend beyond the armrests of the wheelchair..

The user must be trained in the handling of the Enjo and informed of the possible dangers in the event of incorrect behaviour. Training is provided by an authorised dealer or by an Acekare representative. It is strictly forbidden for any untrained person to use the Enjo.

The Enjo must not be used for any transport that does not comply with its intended use. This applies in particular to all types of load transport, such as transporting everyday objects with the wheelchair and the Enjo.

Acekare considers the following to be misuse of the Enjo:

- Use of the device contrary to the instructions and recommendations in this user manual..
- Exceeding the technical performance limits defined in this user manual.
- Technical modifications to the appliance or enclosure.
- Installation and use of third-party parts and accessories not manufactured or recommended by Acekare.

## 1.2 Important safety instructions - to be followed at all times

Enjo is a power add-on that must only be used by the person pushing the wheelchair. Under no circumstances should the passenger use Enjo as an electrical aid for the wheelchair.

For safety reasons, the motorisation system should only be used by people who are physically and mentally capable of handling and braking the wheelchair in all situations. People with impaired vision or hearing should not use Enjo.

When using the Enjo, you must comply exactly with the values prescribed by the wheelchair manufacturer (e.g. maximum inclination, tyre pressure, etc.), as well as the general operating instructions. Under no circumstances should the limit values be exceeded.

Enjo should be stopped on stable ground before using your phone or similar device. Similarly, travel in the vicinity of strong electrical stray fields should be avoided.

In rare cases, use of the Enjo may interfere with other equipment, such as anti-theft systems in shops.

Acekare accepts no liability for damage caused by misuse of the device or by persons not trained in its use.

When using the Enjo, the person in the wheelchair must remain calm. Please note that people with particular medical conditions may have uncoordinated movements. In such cases, stop driving until the person has calmed down.

The user must always be able to react to such sudden movements by the person being transported. It is therefore the responsibility of the person trained in the use of the Enjo to decide whether it is possible to transport a person without risk when that person has particular pathologies.

If you have any doubts about using the Enjo, please contact your dealer.



To avoid injury, the user must wear sturdy footwear when using the Enjo, under no circumstances open sandals, flip-flops, slippers or similar footwear. The use of the Enjo by a barefoot user is strictly forbidden.



The Enjo installed on the wheelchair is intended exclusively for transporting people with reduced mobility and must not be used for any other purpose, for example by children for play or for transporting goods.

## 1.3 Explanation of symbols

In these operating instructions, important tips and notes are indicated as follows:



Advice and special information.



Warning of potential dangers to your health and safety, and notes on potential risks of injury.

Warning of potential technical problems or damage.

It is essential to heed these notes and warnings to prevent personal injury and damage to property!

Indications in this manual such as «forwards», «backwards», «left», «right», «forwards», «backwards», etc. are given from the driver's point of view.

The symbols used on the labels (see Chapter 13) and in part in this manual are explained below.



This medical device is a regulated health product which, under these regulations, bears the CE mark.



Medical device.



For information on disposal of the Enjo and its components, see section 7.3.



Protect the device from moisture.



Indication of the temperature range in which the Enjo can be used.



This user manual contains instructions, information and warnings relating to the operation of the Enjo and the charging of the batteries. They must be read and heeded before the Enjo is put into service or charged for the first time.





Maximum weight of person the Enjo can support: 150 kg



Indication of the date of manufacture on the system label



Name and address of motorisation manufacturer (see back of instructions).



Do not use outdoors (charger)

## 1.4 Terms and conditions of use

The Enjo should only be used at temperatures between  $-25^{\circ}\text{C}$  and  $+50^{\circ}\text{C}$ . Please also observe the safety instructions for the wheelchair to which the Enjo is to be fitted. The restrictions on authorised conditions of use (maximum gradient, maximum height of obstacles, maximum user weight, etc.) must be observed when using the Enjo! Avoid using the Enjo on unstable ground (gravel, sand, mud, snow, ice or puddles).



Do not expose the Enjo to strong sunlight for long periods when not in use. This will cause the motor to overheat. Plastic parts also age more quickly in strong sunlight.

It is expressly recommended that anti-tip supports are fitted to the wheelchair. For ascents of more than 4.5 degrees (8%), the use of a pair of anti-tip supports is mandatory.



## 1.5 Overview of the main elements

The case is included and contains :

### A. Drive unit

Safety strap .....	1
Carrying handle .....	2
Control unit connexion .....	3
Drive wheel .....	4
Charge socket cover .....	5
Frame length adjustment .....	6
Drawbar clamp .....	7

### B. Bracket side flanges x2

Side brackets to attach to the wheelchair.....	8
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### C. Drawbar .....

.....	9
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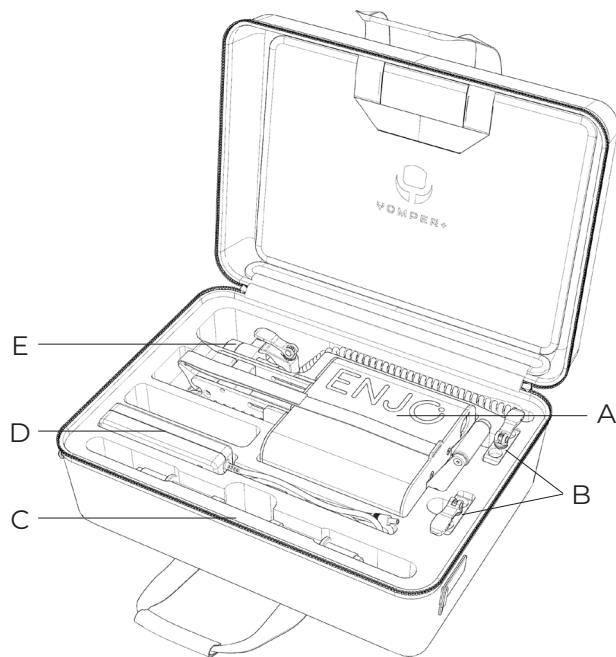
### D. Charger

Battery charger.....	10
Charging connector .....	11
220V mains socket .....	12

*(may be different depending on your country)*

### E. Control unit

Maximum speed adjustment potentiometer.....	13
Battery level gauge .....	14
Boost button (full power on climb) .....	15
Start/Stop button .....	16
Attachment of the control unit .....	17
Throttle trigger .....	18
Connector .....	19



## 2. Getting started and driving

The Enjo is delivered ready to use. This means that the brackets [8] and bar [9] have been fitted to the wheelchair by a professional. You have the motorisation, the control box to attach to the handle.

Your Enjo is now fully functional. You can put it into service by following the instructions in this manual and after having been trained in its use by your dealer.



Check regularly that the clamps [8] are still tightly screwed to the wheelchair. If the screws are loose, retighten them.



As the Enjo has no braking function, the wheelchair must be fitted with brakes. Ideally two drum brakes for users who are not physically able to stop it in all driving situations. If not, the user must be able to stop the wheelchair.



If the Enjo is brought to a rapid stop using the brakes, the wheelchair user must be capable, both physically and in terms of reaction time, of coping with the resulting acceleration and braking forces. If he/she is unable to do so, the Enjo must be used with the seat belts fastened.



It is strictly forbidden for any untrained person to use the Enjo.



It is expressly recommended that anti-tip supports are fitted to the wheelchair.



Before using your Enjo, make sure you have read all the instructions for use, safety instructions and risk warnings in this manual.

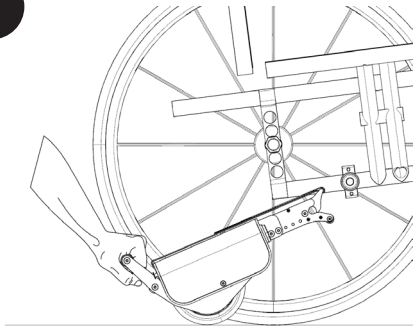


Do not handle or use the Enjo if it behaves in an unusual or faulty manner.

## 2.1 Positioning the Enjo on the wheelchair

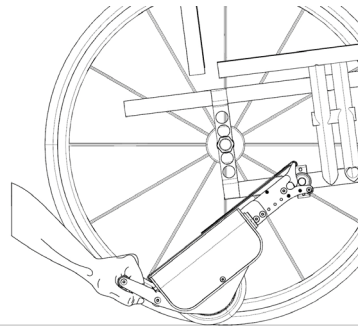
- Make sure that the wheelchair's two rear wheels are correctly fitted.
- Lock your wheelchair brakes to prevent uncontrolled movement.
- Make sure that the Enjo is switched off (see section 2.8).

1



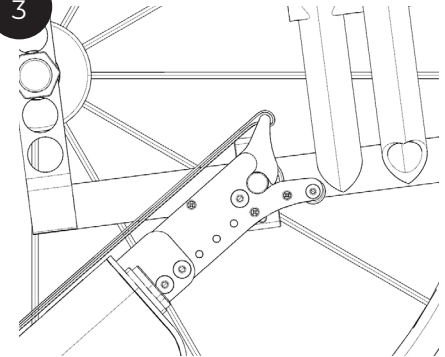
Roll the Enjo to the center of the drawbar [9] and lift the drive block.

2



Push it forward slightly until the jaw [7] engages the drawbar [9].

3



Engage the jaw on the drawbar.  
You'll hear a click.

- Pull lightly on the handle [2] to check that the Enjo is firmly attached to the bracket.
- You can now use the Enjo by activating the control unit (see section 2.6).

## 2.2 Positioning the safety strap

2



Using the strap to attach Enjo to your wheelchair is essential to ensure the safety and smooth operation of your equipment. Follow these instructions carefully to ensure correct use.

### Before tying the strap :

- Make sure your wheelchair brakes are engaged.
- Check that the Enjo is correctly attached to your wheelchair according to the instructions in the appropriate section of the manual.
- Locate a handle or push bar on your wheelchair.

3



### Step 1 : Fastening the Strap

- Position the strap on the handle of the wheelchair or a push bar, depending on the wheelchair.
- Tighten the strap gradually so that it is secure and does not slip.

### Step 2 : Adjusting strap tension

- Once the strap is fastened, position the buckle horizontally (fig. 2).
- Tighten it gradually until the strap is taut (fig.3) to prevent the motor from passing under the wheelchair.
- Ensure that the wheel remains in continuous contact with the ground when the strap is tightened. This will ensure stable and safe use of your motorised wheelchair.
- Rotate the tightening buckle downwards by 90° to allow some slack (fig. 4).

4



### Step 3 : Final check

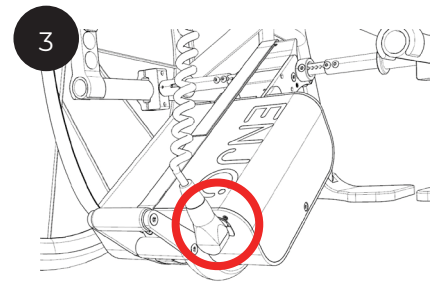
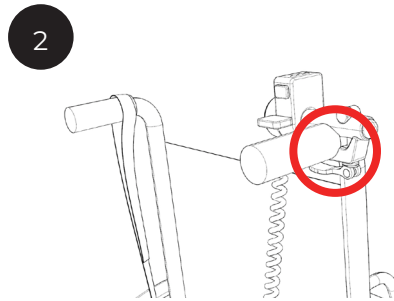
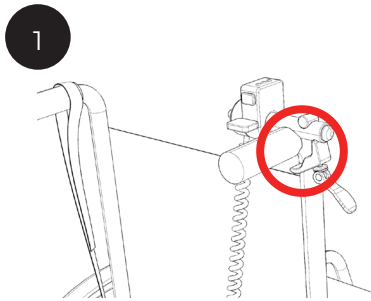
Test the manoeuvrability of your wheelchair to ensure that the drive operates correctly without hindrance.

**Tip:** It is advisable to check the strap tension regularly to ensure the continued safety of your motorised wheelchair.

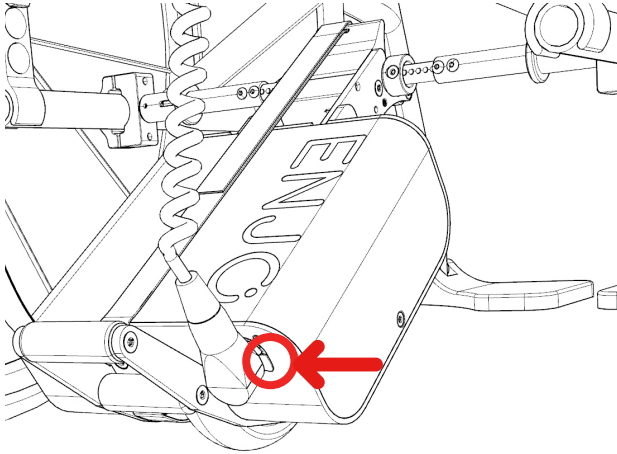
## 2.3 Positioning the control unit

The fixing system [17] is placed on the wheelchair handle.

- Make sure the control unit is switched off (LEDs off [14]).
- Tighten the quick-release clamp until it locks into place on the tube.
- Connect the control unit to the Enjo drive unit [3]
- The control unit can then be used.



## 2.4 Removing the control unit



Make sure that the control box is switched off (LEDs off [14]).



1 Disconnect the control box from the drive unit by pressing the button shown here in the red circle.

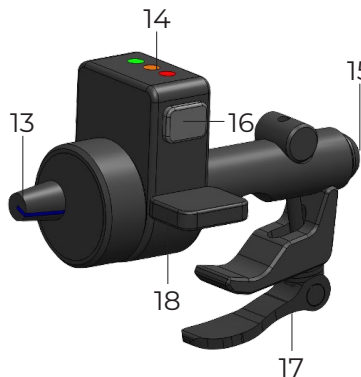


2 Unscrew the quick-release clamp [17] from the handle.



3 For safe storage of the control box, it should be placed in the storage case, in the space provided [B] (see section 1.7).

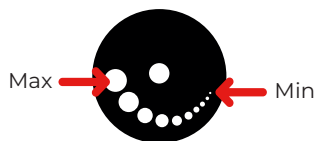
## 2.5 Starting the Enjo






To activate the Enjo, press the On/Off button [16].

When the system is switched on, the LED display [14] lights up.

Next, set the desired maximum speed using the potentiometer [13] by turning the knob clockwise. If you need maximum power from the Enjo, for example when climbing, hold down the accelerator trigger and the boost button simultaneously [15].



The Enjo is now ready for use and, until it is deactivated, will indicate the remaining battery capacity using the LED segments. Meaning :

LED element	Residual battery capacity
Green 	from 60 to 100%
Orange 	from 20 to 60%
Red 	< than 20%

If all the operations described in the previous chapters have been carried out and you have set the desired speed, you can start driving.

Pressing the throttle trigger [18] sets the drive unit in motion. Control your speed by pulling the trigger harder or softer. Releasing it completely will stop the propulsion system.

Note that the Enjo does not have a braking function and that the wheelchair must be braked and stopped using its brakes or by the user by stopping the wheelchair.



If you are using the Enjo for the first time, read and follow the driving instructions in Chapter 5.



The Enjo has no braking function! The person using the Enjo must therefore be able to stop the wheelchair at any time using the wheelchair brakes. Similarly, the wheelchair must always be braked when going up or down hills. If the wheelchair does not have a braking function, the user must be able to brake the wheelchair.



We recommend that people using the Enjo for the first time start off at a low speed to familiarise themselves with the Enjo's driving characteristics.



Under no circumstances should you carry out your first test drives in narrow areas, such as corridors.

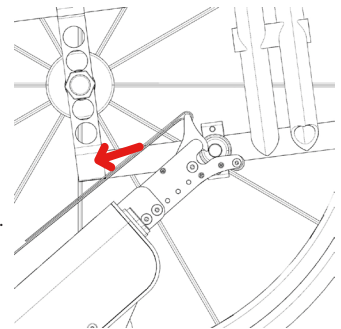
## 2.6 Disable the Enjo

Once you have finished driving, the Enjo should be switched off, in particular to save battery power. To switch off the Enjo, briefly press the On/Off Button [16]. The LED display [14] will go out. If the Enjo is then removed from the wheelchair, the control unit must also be removed (see section 2.5).

## 2.7 Remove the Enjo from the wheelchair

- Make sure that the Enjo is switched off (see section 2.8).
- Lock your wheelchair brakes to prevent uncontrolled movement.
- Disconnect the control system [3].
- Hold the Enjo by the strap to open the jaw [7] of the Enjo.
- Remove the Enjo from the drawbar [9].
- Remove the control box from the wheelchair handle (see section 2.5) and insert it into the case [B].

For safe storage of the Enjo, it should be placed in the space provided in the storage case [A] (see section 1.7).





## 3. Battery

### 3.1 Battery charging

The Enjo battery is built into the Enjo and cannot be removed. To charge the battery, we recommend removing the Enjo from the wheelchair.

- Secure the wheelchair with its brakes to prevent uncontrolled movement.
- Remove Enjo from the wheelchair.
- Disconnect the connector from the control unit [3]
- Shift the charging plug cover [5] away from the Enjo to the side.
- Plug the charging connector [11] into the mains socket and then into the socket on the Enjo [5].
- When you have finished charging, first unplug the charger from the Enjo socket, then from the mains.
- Fold back the charging socket cover [5] to cover it completely.

If an error occurs when charging the battery and cannot be rectified by charging it again, please contact your dealer.



Before each journey, check the battery charge level. The battery must be fully charged before you set off, to avoid any accidental stoppage due to an empty battery.

## 3.2 Safety instructions for the integrated battery



Before you start charging, read and observe all the following instructions and warnings.

- In the event of repair, only the battery supplied by Acekare may be used to operate the Enjo. Other types of battery may explode and cause injury or material damage. Repairs should only be carried out by an authorised distributor or by Acekare.
- Make sure that the Charge Connector [11] and the Enjo Charge Socket [5] are clean. If they are not, wipe them clean with a clean, dry cloth!
- Never charge the Enjo in the presence of and/or near flammable liquids or gases.
- Keep the Enjo away from fire.
- Do not expose the Enjo to moisture (water, rain, snow) during charging.
- In the unlikely event of overheating or if the battery catches fire, the Enjo must never be brought into contact with water or other liquids. The only suitable extinguishing agent recommended by battery manufacturers is sand.
- Never charge the Enjo at temperatures below 0°C or above 40°C.
- Your Enjo consumes energy each time it is used. Do not drain the battery completely as this could damage it over time. If possible, charge the battery after each use.
- Only use the Acekare charger supplied to charge the Enjo. Charging stops automatically as soon as the battery is charged. It is therefore impossible to overcharge it.
- Never immerse the Enjo in water. This could cause irreparable damage.
- Battery life depends, among other things, on where the Enjo is stored. So do not leave the Enjo for long periods in hot places. In particular, the boot of a car parked in the sun should only be used for transport, not for storage.

### 3.3 Safety instructions for the charger



Before you start charging, read and observe all the instructions and warnings attached to the charger and the following instructions and warnings.

- Never use any charger other than an Acekare charger.
- Do not use the charger to charge batteries other than the Enjo battery.
- Do not expose the charger to moisture (water, rain, snow) during charging.
- Caution in the event of condensation. Condensation may form when the charger is moved from a cold room to a warm one. In this case, wait for the condensation to evaporate before using the charger. This may take a few hours.
- Never pull on the power cable to disconnect the charger from the socket.
- Do not expose the cable and plug to any pressure.
- Lay the power cable and charging cable so that they are not stepped on or tripped over.
- Do not use the charger if the power cable, charging cable or cable plugs are damaged. Damaged parts must be replaced immediately by a dealer authorised by Acekare.
- Do not use or dismantle the charger if it has been knocked, dropped or damaged in any other way. Take the damaged charger to your dealer for repair.
- The charger must not be used by young children.
- The charger should only be used with an AC voltage of 100V to 240V.
- Do not dismantle or modify the charger.
- Do not cover the charger while it is charging or place any objects on top of it.
- Place the charger safely on a flat surface.
- Never short-circuit the poles of the charging plug with metal objects.
- Make sure that the mains plug is firmly inserted in the socket.
- Do not touch the plugs with wet hands.
- Do not use the charging plug and/or the mains plug if they are wet or dirty. Clean the plugs with a dry cloth before plugging them in.
- When you have finished charging, first remove the charger plug from the socket, then remove the charging plug from the Enjo.

## 4. Transport and storage

### 4.1 Using the wheelchair as a car seat

If the wheelchair is to be used as a vehicle seat, the wheelchair manufacturer's instructions must be followed.

Similarly, the Enjo and its control unit must not remain on the wheelchair, but must be removed from it so that they are not thrown uncontrollably into the vehicle, and cannot represent a danger to the occupants in the event of braking.



A wheelchair with Enjo installed must not be used as a vehicle seat in vehicles.

#### Vehicle fitted with a wheelchair lifting platform

- If the vehicle is fitted with a wheelchair lifting platform or similar equipment, the Enjo must be removed from the wheelchair along with its support bar.
- Drive slowly and carefully.
- You or the wheelchair user must not make any sudden or jerky movements.
- Always look in the direction of travel and avoid any distractions.
- If the wheelchair user is in the vehicle and the wheelchair is used as a vehicle seat, the Enjo and its control unit must be removed from the wheelchair.
- If the wheelchair user is transferred to one of the vehicle seats, they must be protected by the vehicle's safety system, e.g. air-bags and side impact protection.



If these conditions and instructions are not complied with, Acekare accepts no responsibility for accidents, damage or their consequences to the wheelchair, the Enjo or other objects and installations.

## 4.2 Safety instructions for storage of Enjo

- As far as possible, store your Enjo in its specially designed carrying case.
- If your Enjo is not to be used for a long time, store it in a dry environment, preferably at room temperature (between +15°C and +25°C).
- Ensure that the Enjo and its control unit are stored in a safe and, above all, clean place during transport or storage.
- If the Enjo has been transported several times or stored for an extended period, the charging sockets of the Enjo [5] and the charger [1] should be cleaned with compressed air to prevent any impurities from causing a short circuit.
- If stored for a long time, do not place the Enjo on its drive wheel [4] as this may cause it to move unevenly (at a later date).
- If stored without commissioning, the Enjo should be stored fully charged and fully recharged every three months. The functional capacity of your Enjo is guaranteed even after a long period of storage.

## 4.3 Folding the wheelchair

The wheelchair can be folded without removing the Enjo side brackets [8] from the wheelchair.



**However, you will need to remove the drawbar from the wheelchair [9].**

For more information on folding your wheelchair, please consult your wheelchair user manual.

## 4.4 Safety instructions for transporting the Enjo

Lithium-ion cells are used in the battery built into the Enjo. The transport and shipment of the Enjo are therefore subject to legal provisions which must be strictly observed. For example, a defective device cannot be transported by air, either in the cabin or in the hold.

As transport regulations may change from year to year, we expressly recommend that you contact your travel agency, airline, shipping company or rail company before you start your journey to inform yourself of any changes.

Our transport certificate can help you with this. You can obtain it from your dealer, or download it from our website [www.acekare.com](http://www.acekare.com) or by scanning the QR code :



If you need any help, please contact our customer service department at [contact@acekare.com](mailto:contact@acekare.com).

If your Enjo is faulty, please take it to your retailer personally, as postal delivery or shipment by a carrier is strictly regulated due to the presence of lithium-ion batteries. We therefore recommend that you contact your dealer beforehand.

## 4.5 Transporting the battery by plane

The technical design of the Enjo, in particular its integrated lithium-ion battery, complies with the standards, directives and laws in force. It meets the requirements of the International Air Transport Association (IATA) for air transport. We confirm this every year with our transport certificate, issued on the basis of the latest edition of the IATA Dangerous Goods Regulations, usually published in mid-December each year. You can download the current certificate from the Acekare website ([www.acekare.com](http://www.acekare.com)). We can also send it to you on request.

When planning a trip, contact your tour operator or airline to find out how the Enjo can be carried on all the flights you have booked. It is ultimately the pilot's decision whether or not to carry the Enjo. Neither Acekare nor your dealer can influence this decision.

If you are taking the Enjo on board a plane, we advise you to pack all the components in its carry case (see chapter 1.5).



When travelling, observe the regulations in force concerning the transport of lithium-ion batteries in the countries you visit.

## 5. Safety instructions for dealing with hazardous situations

To ensure that your Enjo is used safely, the following instructions must be followed.

### 5.1 Safety instructions

#### Before travelling:

- To avoid injury, the user must wear closed, sturdy footwear when using the Enjo, never open sandals, flip-flops, slippers or similar footwear. The use of the Enjo by a barefoot user is also prohibited. Barefoot use of the Enjo is also prohibited.
- Before a person sits in the wheelchair, the wheelchair brakes must be applied and the Enjo switched off to prevent uncontrolled movement.
- If you notice that any function of the Enjo does not work as described in these instructions, the appliance must not be used again. To rectify this fault, please contact your dealer or an Acekare representative.
- Never use the Enjo as a step.
- Never place your hands between the drive wheel [4] and the motorisation when it is running.
- Before driving uphill or downhill with the Enjo, you must master the handling of the auxiliary drive on level ground.
- The Enjo should only be fitted to wheelchairs that have been approved by Acekare. As the Enjo has no braking function, the wheelchair must be fitted with brakes, ideally two drum brakes, for users who are not physically able to stop it in all driving situations.
- It is essential to follow the wheelchair user manual when using the Enjo.
- Only the person pushing the wheelchair may use the Enjo. Because of the danger of tipping over, especially when travelling uphill, it is not suitable for wheelchair users. The accompanying person must be able to catch up with the person in the event of the wheelchair tipping backwards or sideways.
- It is expressly recommended that anti-tip supports be fitted to the wheelchair. For ascents of more than 4.5 degrees (8%), the use of a pair of anti-tip supports is compulsory.
- The brakes on the wheelchair on which the Enjo is mounted must be positioned so that the accompanying person pushing it can easily reach them.

- The Enjo's drive wheel is a solid rubber wheel without an inner tube. Check the condition of the wheel before each ride. Its profile should not be too worn. If cracks are visible in the rubber profile, the Enjo should no longer be used. You can only obtain a new wheel as a spare part from Acekare, via your dealer.
- Check that the air pressure in the wheelchair tyres corresponds to the manufacturer's instructions. These two parameters have a direct influence on driving behaviour and autonomy when using the Enjo.
- The Enjo must be checked and serviced every 2 years by Acekare, an Acekare representative or your dealer (see also section 7.5).
- The wheelchair on which the Enjo is used must be fitted with beam reflectors for night-time use. Also, at night, only well-lit paths should be used and the user should wear a safety waistcoat.

#### When travelling with the Enjo :

- When starting off, always begin your journey at the slowest speed and gradually increase this speed until you reach your desired walking pace.
- The maximum safe inclination of the Enjo is 6° (10%) for a maximum load of 150 kg. When ascending or descending, the user must be able to prevent the wheelchair from tipping at any time (in any direction).
- Never exceed the maximum degree of ascent authorised by the wheelchair manufacturer.
- Adjust the speed so that it does not exceed the user's comfortable walking speed, particularly before descending a slope.
- Note that the Enjo does not have a braking function, especially on uphill and downhill stretches!
- Never drive at maximum speed when approaching stairs or precipices.
- When the Enjo is running, every pull of the trigger [18] is converted into a movement command. This is why any unintentional impulse should be excluded if possible. Do not touch the trigger [18] when stopping or waiting in high-risk areas (e.g. waiting at red lights, on ascents and descents or on ramps of any kind).
- Make sure that children cannot reach the trigger [18] and do not set the Enjo in motion.
- Do not attach any objects (bags, etc.) directly to or near the control box! Contact of these objects with the trigger [18] could result in unintended impulses.
- When using the Enjo on pavements, keep a sufficient distance from the kerb (at least one wheelchair width away if possible).

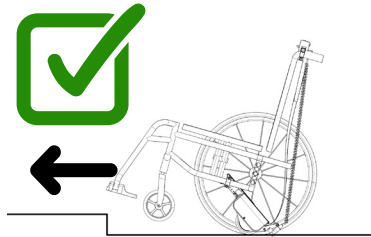


- When negotiating obstacles, observe the maximum height specified by the wheelchair manufacturer.
- Avoid travelling on unstable ground (e.g. gravel, sand, mud, snow, ice or deep puddles).
- Never leave the Enjo unattended, whether it is switched on or off. Beware of storing the Enjo in places exposed to direct sunlight.
- Conversely, using the Enjo can interfere with other equipment, such as anti-theft gates in shops.
- When moving the Enjo, be sure to keep a sufficient distance between your feet and the drive wheel [4] to avoid your shoes coming into contact with the drive wheel. If the operator is wearing open shoes or is barefoot, there is a risk of being caught by the rubber drive wheel, which could ultimately lead to crushing injuries.

To be observed after moving with the Enjo :

- Before a person leaves the wheelchair, the wheelchair brakes should be applied and the Enjo deactivated to prevent uncontrolled movement.
- Switch off the Enjo immediately when it is no longer needed to prevent an unintentional movement impulse being triggered by contact with the trigger [18], and to prevent the battery self-discharging. Apply the wheelchair's hand brakes.
- Only store the wheelchair and Enjo in a dry, safe place. Moisture must never get into the Enjo, its battery or its control unit.
- If possible, recharge the battery of your Enjo after every journey.

## 5.2 Crossing obstacles

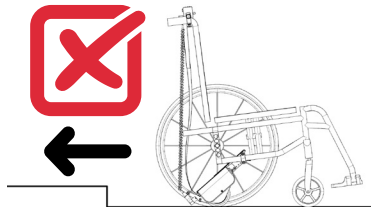


Take particular care when negotiating obstacles such as kerbs!

Obstacles can be negotiated using the motor assistance provided by the Enjo, but only by moving forward slowly. The maximum obstacle height is 5 cm (depending on the front wheels of the wheelchair). The wheelchair must be lowered, using the handles if necessary.

If an obstacle has to be negotiated in reverse, the Enjo must be switched off.

Do not reverse over obstacles



Reduce speed when approaching an obstacle and slow the wheelchair down in time!

Under no circumstances should you approach an obstacle at maximum speed, or even try to drive over it at maximum speed, as this could damage the front wheels of the wheelchair.



When negotiating obstacles, the wheelchair must not be tipped over by pressing down on the Enjo with your foot.



Follow the wheelchair manufacturer's instructions for negotiating obstacles.



To go down an obstacle in reverse, you can use the strap to raise the Enjo.

### 5.3 Risky places and situations

The Enjo user decides for himself which route to take, taking into account his driving skills and physical abilities. Before setting off, he or she checks the condition of the Enjo's tyres, the battery charge level, the functionality of the controls and the wheelchair's manual brakes.

These safety checks, as well as personal driving skills, are extremely important, especially in the following risk zones, which the Enjo user is free to negotiate at his or her own discretion.

- The Enjo has no braking function! This means that the wheelchair does not stop immediately when the Enjo is switched off, but continues to roll, particularly downhill. The user must therefore be able to stop the wheelchair at any time using the brakes.
- Always adapt the Enjo's speed to the conditions outside! Bear in mind that obstacles may arise at any time, and if they do, stop the wheelchair in good time.
- Exercise extreme caution when travelling along watercourses, unsecured bridges and dykes. Don't get too close to a watercourse.
- On steep ascents or descents, the user must be able to prevent the wheelchair from tipping over at any time (in any direction). The prerequisites are impeccable treads, correct tyre pressure, a floor in good condition and a maximum load of 150 kg.
- When cornering or turning on uphill or downhill slopes, the shift in the center of gravity can lead to an increase in lateral inclination. These maneuvers must be carried out with great care and at reduced speed!
- Use extreme caution when crossing busy roads, crossings and railroad tracks. Never cross rails and level crossings in parallel, as the wheels could get caught.
- Use extreme caution when crossing ramps and vehicle lifts. The Enjo must be switched off when raising or lowering a ramp or lifting device. Do not use the gas pedal [18]. In addition, the wheelchair brakes must be applied. This prevents uncontrolled movement, e.g. due to unintentional movement commands.
- If the ground is wet, the tires no longer grip as well and there is an increased risk of slipping. Please adjust your driving accordingly.

## 6. Care, maintenance and disposal

### 6.1 Cleaning

If you need to clean your Enjo or any of its components, please observe the following instructions:

- All cleaning must be carried out with a slightly damp cloth.
- Do not use abrasive or aggressive cleaning products for cleaning.
- The drive wheel should be regularly cleaned of dirt, using a damp cloth or dry brush.
- All electrical connections must be checked for impurities before assembly.
- Never clean with running water, such as a garden hose or high-pressure cleaner. Water could penetrate the electronics and cause irreversible damage.

Acekare accepts no liability for damage caused by failure to comply with these instructions. Such cases exclude all warranty claims.

### 6.2 Maintenance

For the maintenance of your Enjo, an interval of 2 years has been deemed appropriate under normal conditions of use, based on market observation. However, this indicative value of 2 years may vary according to the frequency of use.

In all cases, we recommend clarifying the cost of maintenance work with your dealer beforehand.



If you notice any deterioration in the driving behaviour of your Enjo (e.g. uneven rolling, wheels spinning or slipping), please contact your dealer to have the tire checked.

Interventions and repairs on the Enjo may only be carried out by an authorized specialist dealer, by Acekare or by an Acekare representative. In the event of faults, please also contact your dealer.

### 6.3 Reuse

If you no longer need your Enjo, please contact Acekare or your dealer. Your Enjo can be reconditioned and reused by somebody else. Before each re-use, a technical safety check of the Enjo must be carried out. The brackets with which the Enjo is attached to the wheelchair can be quickly and easily removed from your wheelchair and fitted to a new one.

Acekare can supply the bracket components separately (side clamps and drawbar) for use on a different wheelchair. This also applies if you simply wish to install it on a new wheelchair.

### 6.4 Disposal



This device, its battery and accessories are long-life products. However, they may contain substances which are harmful to the environment if they are disposed of in places (e.g. landfill sites) which are not intended for this purpose in accordance with the legislation currently in force in the corresponding country. The «crossed-out wheeled garbage can» symbol (in accordance with the WEEE directive) is found on this product to remind you of your recycling obligation. Please respect the environment and dispose of this product at the end of its useful life at your local recycling center. Please respect the environment and dispose of this product at the end of its useful life at your local recycling center.

Please check your country's current legislation on waste disposal, as the WEEE directive for this product is not applied in all European countries. These components can also be collected by Acekare, specialist dealers or Acekare representatives for environmentally sound disposal.

## 7. Problem solving

Before contacting your dealer, please check the following points:

Failure	Solution
Enjo won't start	Check that the LEDs [14] light up when the ON/OFF button is pressed. Check the battery gauge and recharge your Enjo. Check the strap's tension and the Enjo wheel is in contact with the ground. Check the condition of the cables, especially the one leading to the control system.
Enjo does not take charge	Check that your mains plug is working properly. Check that you are using the correct charger. Check that the LED on the charger changes color from green to red when charging. Check that the charging plug on the Enjo is not damaged. Check the battery level gauge before charging, and after charging after 2 hours to see how it's progressing.
Control unit does not light up	Press the ON/OFF button. Check that the cable linking the Enjo to the control system and connexion are not damaged.
Bracket detaches from wheelchair or strange noise.	Check all components for tightness. Contact your dealer.
When crossing, the Enjo wheel is perpendicular to the wheelchair axis and/or passes in front of the wheelchair wheels.	Check that the safety strap is properly adjusted and tensioned. Contact your dealer.
The rear of the Enjo rubs the ground when crossing	Contact your dealer to check the installation of the Enjo mounting bracket. You can also check the tension of the safety strap and the angle of the Enjo's spout.

Failure	Solution
The Enjo detaches from the mounting bracket	Once in place, check that the system is locked in place by pulling on the Enjo. Check that the locking jaw retracts and snaps back into place when you pull on the strap at the top of the Enjo.
The Enjo stalls	<p>This can happen if the slope is too steep, the wheelchair is too heavy or the tires are deflated. You need to manually assist the Enjo, or play with the Enjo's gears or boost button. This is a safety feature to prevent the motor from overheating.</p> <p>When your battery is low (&lt; 20%), it can also happen that the Enjo «stalls» during intense effort. After a few seconds, you'll be able to get going again, so we recommend that you help the Enjo up steep inclines, then use it on flatter surfaces. We recommend recharging your battery.</p>
Enjo accelerates for no reason	<p>If you are in a highly disturbed environment (high-power medical imaging, etc.), close to an electromagnetic source, switch off the Enjo.</p> <p>The Enjo is EMC-certified, which means it is immune to current environmental conditions.</p>
Loss of battery life	<p>Autonomy will depend on several parameters:</p> <ul style="list-style-type: none"> <li>- The total weight of the wheelchair when loaded,</li> <li>- The gradient of your journey,</li> <li>- The frequency of stops and restarts,</li> <li>- Outside temperature (batteries don't like the cold, and can lose up to 40% of their capacity below 5°C).</li> <li>- Tire pressure.</li> </ul> <p>If you experience a loss of autonomy under normal conditions of use, contact your dealer. The average life of batteries is 3 to 5 years, depending on your use.</p>



**Contact your dealer if the fault persists.**

**If an error other than those listed in the table is displayed, this indicates a mechanical or electronic failure of the Enjo. In such cases, please contact your dealer.**

## 8. Legal guarantee and liability

### 8.1 Durability guarantee

Acekare warrants that the Enjo is free from defects at the time of transfer. Acekare offers a longevity warranty of 24 months for the Enjo after delivery. The following are excluded from the longevity warranty:

- devices whose serial number has been altered, damaged or removed,
- defects due to natural wear and tear, incorrect operation, in particular defects due to non-compliance with these operating instructions, accidents, damage caused by negligence, the effects of fire and water, force majeure and other causes outside Acekare's sphere of influence,
- maintenance work resulting from daily use (e.g. tire changes), and
- inspection of the device without detection of defects.

As far as the Enjo's service life is concerned, we estimate an average of five years, provided it is used as intended and all maintenance instructions are followed. This lifespan can be extended if the product is handled, maintained, cleaned and used with care. On the other hand, service life can be considerably reduced by extreme and improper use. The normative fixing of the service life does not constitute an additional guarantee.

### 8.2 Disclaimer

As the manufacturer of the Enjo, Acekare declines all responsibility if:

- the Enjo has not been handled correctly.
- the Enjo is not serviced every two years by an authorized specialist dealer.
- the Enjo is operated contrary to the instructions in this manual.
- The Enjo has been operated with batteries that were not sufficiently charged.
- repairs or other work have been carried out by unauthorized persons.
- Foreign parts have been mounted on or connected to the Enjo.
- Parts of the Enjo have been disassembled.



Incidents of product malfunction resulting in serious personal injury must be reported to the manufacturer Acekare (address on back cover of this manual).



## 9. Technical specifications

### Drive unit (including control unit) :

Battery range :	up to 23 km (*)
Max speed ( <i>flat surface</i> ) :	6km/h
Slope :	6° [10%] <i>for a total rolling weight of 150 kg</i>
Motor voltage :	24V
Engine power :	250 W
Operating temperature :	-25°C to +50°C
Max. total rolling weight ( <i>user + wheelchair</i> ) :	170 kg
Index of protection :	IPX4

### Battery (integrated into the drive unit)

Battery type :	Lithium-ion
Nominal voltage :	24V
Nominal capacity :	160 Wh
Charging temperature :	0°C to +40°C
Operating temperature :	-25°C to +50°C

### Component weights

Drive unit :	4 kg
Control unit :	300 g
Drawbar :	250 g
Charger :	550 g
Total weight :	5,1 kg

### Wheel tire

Model and type :	Solid tire for stable ground
Size :	125x32

(\*) Range varies according to areas and driving conditions. Under ideal driving conditions (flat ground, charged batteries, ambient temperature of 20°C, regular driving, etc.), the indicated range can be reached.

## 10. Labels

The Enjo and charger are labelled with the various product features. In the event of a device malfunction, components can be replaced as part of Acekare's standard exchange program through your dealer, or sent in for repair. To do this, your dealer will need the various specifications printed on the labels. The following figures are examples only!



### System label

The system label underneath the Enjo informs you of its main technical features, enabling the system to be traced. The serial number (marked with the arrow in the diagram opposite) is required for repairs, for example.

### Li-ion Smart Battery

24V 160Wh

SN : E23 06 004

#### Caution:

- Do not short circuit
- Must be disposed of properly.
- Use specified charger only.
- May explode if disposed in fire.

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### Battery label

The label on the charger provides information on the battery's technical specifications. The serial number (marked with the arrow in the diagram opposite) is required for repairs, for example.



### Charger label

The label on the underside of the charger provides information on the battery's technical specifications.

## 11. Maintenance follow-up

Date	Maintenance / Repair	Carried out by

Date	Maintenance / Repair	Carried out by

# acekare

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Version : 2023-11-17

*The current version of this manual can be downloaded from our  
website [www.acekare.com](http://www.acekare.com).*