Power Assisted Wheelchair Systems

PAWS User manual (EN)

City, Cruiser and Tourer Series

City 12”/14”

Cruiser 16”

Tourer 20”

CE

more than mobility

INDEX

1. General Information, Intended Use and Quality Standards

Thank you for choosing **a PAWS Power Add-On Scooter for manual wheelchairs**. This User Manual contains detailed information on the device and important guidelines to ensure correct and safe usage.

Please read this manual carefully. It is especially important that you understand and follow the safety requirements.

In this User Manual, we use the following terminology: -

- Device – refers to the PAWS Power Add-On Device
- User – refers to the person using the device
- Wheelchair – the wheelchair that is used with the device
- Kerb – the edging of a pavement or sidewalk. Spelt "Curb" in Canada and the USA
- Set-up – the way the device is configured according to User requirements
- Docking/Undocking – the process of connecting/disconnecting and lifting/lowering the device to the chair
- QR – refers to Quick Release between the clamp housing and the device proper
- Distributor – the authorised Distributor in the country of purchase

The Manufacturer continuously develops its Devices and reserves the right to change specifications and functions without notice.

If you have concerns or queries, please contact your Distributor directly. Contact details are located on the last page of this manual.

Intended use and indications for use

Intended use: The Device is intended to be used as an auxiliary drive unit for folding and rigid frame wheelchairs. Any other use is prohibited.

Indications: The device is indicated for individuals who require power assistance in propelling a Wheelchair in a seated position. Specifically, for those who: -

- have been instructed in its handling
- can move and coordinate both hands and arms without major restrictions
- have the physical and mental ability to operate the wheelchair and device in all possible situations

Contra-indications: This type of device must not be used by persons with cognitive or processing limitations that would prevent them from using the device as intended.

Use by people with partial or complete flaccid paralysis must be determined by a qualified wheelchair fitting expert with advice from a physician and/or occupational or physical therapist.

The ability to safely control the device is essential to its use.

Wheelchair pairing: It is important that the Wheelchair used can withstand the forces generated by clamping and driving with the Device. Significant stresses may be applied to the Wheelchair beyond that intended by its original design. Please consult with the supplier of the Device before changing to wheelchairs other than that to which the device was fitted at the time of delivery. Consult your Authorised PAWS Distributor for interface options for fibre composite frames.

Quality standards

The Device has passed all necessary tests and thus conforms with the following European Standards:

ISO 14971 ; ISO 20417 ; EN 12184 ; EN 12182 ; ISO 7176 -Part 1, 2, 3, 4, 5, 8, 9, 10.

The device also fulfils all CE requirements implemented by the 2006/42/EC (Machinery), 2014/35/EU (Low Voltage), 2014/30/EU (Electromagnetic Compatibility) Medical Devices Directive.

2. Safety Warnings & Recommendations

This User Manual presents the most common procedures and techniques involved in the safe operation and maintenance of the Device. It is important to practice and master these safe techniques until Users are comfortable maneuvering around frequently encountered architectural barriers.

Users and assistants must be aware that the handling and maneuverability characteristics of the Device are inherently different from those of manual wheelchairs. Handling and maneuverability differences will be most noticeable when traveling down declines (example: ramps and slopes) or over obstacles and rough terrain, as this may shift the User's center of mass forward resulting in decreased stability. ALWAYS reduce speed when driving under these conditions.

REHASENSE recognizes and encourages each individual to try what works best for them in overcoming the architectural obstacles they may encounter. However, all warnings and cautions given in this manual MUST be followed. Techniques in this manual are a starting point for the new user and assistant with "safety" as the most important consideration.

It is important for the User to recognize and understand the danger of personal injury from falling from the Device-equipped Wheelchair or colliding with objects, if the Device is not handled or set-up correctly.

Therefore, it is very important that a thorough understanding of the use and limitations of the Device is reached by the User before commencing use. The following are some important points to read and understand.

If any of the concepts are not clear, please contact your authorized Distributor for further clarification.

Consult – Talk to a person qualified in supplying, fitting, and servicing the device

- Before deciding which model to choose, communicate with your authorized Distributor – do not purchase this device from non-qualified suppliers or in the open market.
- As this is a powered device, it is important to consult with a physician and/or therapist to determine if the user has the physical and mental capabilities to control the device.
- A one-to-one instruction session on handling and operating the device is included in the scope of delivery.

Read – Read the User Manual

- Make sure that this User Manual is read by all persons using the device. The Manufacturer does not take any responsibility for damages and/or injuries caused by the User Manual not having been followed.
- Follow the instructions and warnings on all device labels.
- All points market "Attention!" in this User Manual should be carefully reviewed and understood.

Driving Environment – Be aware of the conditions in which the device is used or exposed

- All wheels should ALWAYS be in contact with the floor during use. This will ensure the Device is properly balanced and help to avoid incidents.
- The Device must only be used on stable surfaces.
- Do not use the Device on escalators or moving walkways.

- The Device is not recommended for use on sand, mud or in extreme weather conditions unless indicated in the model's approved use environments.
- The temperature range for use is between -25 degrees Celsius and 50 degrees Celsius.
- The Device should not be exposed to strong electrical fields, excessive heat, or moisture.
- The Device' s operation might interfere with other electrical devices.
- Do not under any circumstances exceed the technical limits stated in this User Manual.

⚠ **Driving training, obstacles, and slopes**

- We recommend driving training for all new Users of the PAWS, to ensure familiarity with the Device and its limitations.
- The Device can climb obstacles with a maximum height of 5cm – do not exceed this obstacle height.
- On inclines, it may be necessary to lean forward to move the center of mass (or gravity) closer to the drive wheel to maintain traction of the drive wheel.
- When the Device is attached to the Wheelchair, it is regarded as a three-wheeled vehicle. Reduce speed when turning or navigating kerbs, cambers, and bumps to avoid tipping over.
- Always be mindful of your speed when driving on public roads or footpaths. Please observe and follow the local road traffic regulations in the country of use.
- Practice driving on level ground before attempting sloped surfaces to become familiar with the Device and its limitations.
- When driving and after releasing the throttle, please be aware that the Device will not stop automatically. The handbrakes must be applied to bring the Device to a full stop.
- Unless the brakes are applied, there is risk of the device moving on a sloped surface. Always apply the brakes when not using the throttle.
- Do not climb slopes (up to 10 degrees) in "Walk mode" only. We recommend the lowest speed mode (Mode 1) for climbing.
- Ensure your Battery is fully charged before attempting trips over sloping ground.

⚠ **Usage and Speed**

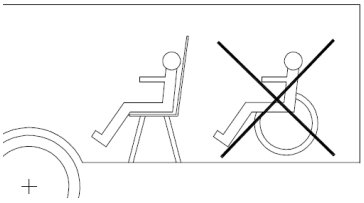
- Always drive within your ability to control the Device and stop safely. Using/driving the Device at controllable speeds is the User's responsibility and the Manufacturer/Distributor will refuse responsibility for accidents or damages to third parties.
- Speed limits are determined according to local traffic regulations. These limits are programmed at the time of manufacture and are adjusted using tiered 1 to 5 settings. Further reduction of speed limits based on user requirements can be programmed by the Distributor.

⚠ **Attention!**

- The Device must not be loaded with more than 120kg.
- Use the Device only in suitable conditions and only for its intended purpose.

- If defects or errors are detected, bring the device to a gradual stop (if in use) and immediately contact your Distributor.
- Do not remove any parts or make any constructive changes to the Device, as this may influence the stability and performance.
- Take care to avoid skin burns during usage of the Device in direct sunlight, as various parts might become hot.
- Do not attach any accessory that is not from the optional accessories list.
- Before using the Device, carefully check tyre pressure, Battery residual power, and horn and brake function, and ensure that all elements are secured correctly.
- The Device is not to be used for transferring goods, carrying additional people in the Wheelchair or for use during sporting activities.
- When driving on public roads or footpaths, please observe and follow local road traffic regulations in the country of use.
- As lithium-ion cells are used in the Battery Pack, transportation will be subject to all regulations for portable power cells. Please consult with the relevant authorities or your travel company (e.g., railway, bus company, shipping company) to find the best way to transport your Battery.

WARNING!



The Device and Wheelchair are not designed as a seating option in a moving vehicle (e.g., buses, trains, metro, airplanes etc.).

Do not under any circumstances sit in the Wheelchair with the Device fitted in a moving vehicle. The Device and Wheelchair should be safely stowed and secured for transportation.

The User should be safely transferred and seated in a vehicle seat, the device should be folded and stowed in the luggage compartment. Not following the above rules involves risk of serious injury and property damage**.**

Due to its many functions, the Device is designed to include many moving elements, slots, holes, and gaps between parts.

There is a risk of body parts, primarily fingers and hands, becoming trapped during folding, unfolding, and adjusting different elements of the Device.

There is also a risk of fingers being cut by certain moving parts of the Device. Keep all body parts well clear of the Device's moving parts during set-up and adjustment to avoid injury.

IF ANY SERIOUS INCIDENT OCCURES IN RELATION TO THE DEVICE, PLEASE CONTACT YOUR DISTRIBUTOR. (contact details are at the end of this user manual). Immediate action should be taken according to requirements of the Regulation of the European Parliament and of the EU Council 2017/745 on medical devices of April 5, 2017.

3. General Description of the Device

The Device is an electrically powered towing mechanism that attaches to a manual wheelchair, converting it into a power-assisted wheelchair.

The range and performance of the Device greatly increases the wheelchair Users' daily travel range under all but the most extreme conditions. This increased freedom of movement may facilitate the Users' life and broaden their range of activity to fundamentally enhance their independence and confidence.

All metal components of PAWS are protected against corrosion.

Elements of the Device

PAWS devices feature common and selected elements for use according to User requirements:

- **Common** elements for each model are the frames, lights, display, warning system and battery,
- **Selected** elements are wheel size, handlebar set-up (Tetra enabled or Standard) and docking system (Manual or Auto Lift and Clamp).

Selected Elements

Wheel Diameter/(Model) – diameter is the main model determinant.

- 12″/14″ Wheel (City): lowest weight, battery consumption, torque (35 Nm) and motor power. Most maneuverable. Suitable for indoors and tarmac roads. Best for low to medium speed range.
- 16″ Wheel (Cruiser): medium weight, battery consumption, torque (60 Nm) and motor power. Suitable for outdoor use in most conditions. Best for middle to high speeds across variable terrain. Speed Modes 3–5 are only available as a special order upon recommendation by a qualified Distributor that the User can manage the device at high speeds.
- 20″ Wheel with fat tyre (Tourer): greatest weight, battery consumption, torque (80 Nm) and motor power. Suitable for outdoor use in most conditions. Best at medium to high speeds across difficult terrain. Speed Modes 3–5 are only available as a special order upon recommendation by a qualified Distributor that the User can manage the device at high speeds.

Docking set-up options

- Manual Clamp and Lift: Users have enough strength to perform the lift and clamp operation without assistance.
- Manual Clamp and Auto lift: Users have enough strength to operate the clamp but require assistance for the lift.
- Auto Clamp and Auto Lift: Users require assistance for both clamp and lift operation.

Handlebar control set-up options

- Standard throttle and brake handle: Users who have adequate hand control and strength to operate the speed and brake control functions without assistance.
- Tetra throttle and brake handle: Users who have reduced or negligible hand strength and control and require Tetra Grips to operate the speed and brake control functions.

⚠ **Attention! The User's strength and coordination MUST be tested before selecting set-up options and test driving! See Section 2 "Safety Warnings and Recommendations" (above).**

Figure 1. Main Elements of the Device (example shown is manual clamp and lift configuration)

4. Cleaning

⚠ **Attention! Water penetration can destroy the electrical system, motor, and battery pack. The Manufacturer shall not be liable for damage caused by water inside the Device. Please be aware that water damage is not covered by our Warranty,**

Cleaning

- Do not clean the individual components of the Device under running water or with a high-pressure cleaner.
- Always ensure that no liquid or moisture enters the wheel hub and the battery pack.
- Whenever you clean components or the battery pack, use a dry or slightly damp cloth.
- Never use scouring pads, abrasive detergents, or aggressive chemicals to clean the components.

5. Transport and Storage

Transport

- Please keep the original packaging for later use if the Device is to be transported for service or other reasons.

Handling and Lifting

- Please observe safe lifting practices when lifting the Device and its individual elements.
- Remove the Battery for easier handling and lifting.
- When lifting, remove all detachable elements and always get help from a second person.
- Do not lift or handle the Device by gripping the basket or cables.
- Always use the support legs when cleaning or handling the Device.

Storing and Commissioning

- Store in a dry room, out of direct sunlight.
- Remove the Battery Pack after fully charging and wrap it in film.
- Wrap the Device in film to keep moisture out.
- Ensure that unauthorized persons (especially children) do not have unsupervised access to the storage room and the Device.

Recommissioning

- Check whether maintenance is required before recommissioning the Device and arrange where necessary.
- The Wheelchair, Device and Battery Pack must be cleaned prior to recommissioning.
- Ensure the charger plug and charger socket on the Battery Pack are free of metallic particles and other debris.

6. Recycling and Disposal

Support sustainability by adhering to local regulations for recycling and disposal of the Device once its serviceable life has ended.

- The Device is labelled in accordance with European Directive 2002/96/EC (WEEE Directive) with a "crossed-out rubbish bin" symbol, reminding you that it must be recycled.
- All materials may be recycled once the Device has finished its serviceable life,
- Be sure to dispose of the device correctly by returning it to your Distributor or taking it a recycling center.

⚠ Attention - Do not put the Device in landfill as batteries and other components may leak substances that are hazardous to the environment.

7. Maintenance & Service

Maintenance

Despite its solid construction using durable materials, the Device is still subject to wear. Therefore, it should be checked by a professional at regular intervals – 2 years from date of purchase or earlier in case of performance issues.

This guideline of 2 years may vary based on the Device's degree of utilization and User behavior. Checking the degree of utilization and User behavior is the responsibility of the operator.

⚠ **Attention!** Condition of the Wheelchair must also be checked. Wheelchair maintenance is equally as important as that of the Device. The Manufacturer's recommendations may not consider use of the Wheelchair with the device, so please contact your Wheelchair supplier for instruction on maintenance when using the Device!

Parts (shown below) also include "generic" care instructions for the Wheelchair. These should be considered along with the Wheelchair manufacturer's own care instructions, which should be regularly implemented.

NOTE: Gradual deterioration in performance resulting from the Battery being left in a discharged state, in cold conditions for extended periods, or worn out through heavy use, is not covered by the Warranty.

Part name	Control type	Control frequency
	Device	
Battery and Charger	Ensure the battery contact points and housing are clean by wiping with a dry cloth. Further, check that the plug and battery socket for charging are clear of any dirt or metal particles.	When recharging the battery
Brake Levers	Brake cables may stretch over time. These can be adjusted by loosening the lock nut and turning the adjustor next to the brake lever housing. Retighten after adjusting.	As indicated through use
Handlebars	Check tightness of all fasteners on the handles bars to ensure stability of parts. Only use the tools supplied.	Depending on use, and/or monthly
Lights and Horn	Normal function check	Before every use
Disc Brake Assembly	Clean the Brake Disc thoroughly and check for excessive wear such as gouging or deep grooves.	When braking performance feels diminished, or monthly
Clamping Mechanism to Chair Frame	Check adjustments in case of slipping or excessive markings on the tube, or manual clamping becomes harder or easier than when first delivered.	As indicated
Clamping Mechanism to Device Frame	Check tension and adjust to ensure a firm grip on the Width Adjusting Rods.	As indicated, especially when changing to different chairs
	Common to both Chair and Device	
Pneumatic Tyres	Tyre pressure (check manufacturers specifications), condition of tread and tyres. Take care to keep the same level of pressure in all tyres. Harder tyres provide better maneuverability and easiness of driving but reduce comfort on bumpy surfaces.	At least once a week; see manufacturers "Specifications"
Spokes	Loose spokes can cause deformation of the rear wheels. Contact your Distributor or local bicycle service center to manage the problem of loose spokes.	If the problem occurs
	Chair only	
Push Rims	Excessively scratched push rims should be replaced to lower the risk of injury to the User's hands during use.	If necessary
Brakes	Braking force depends on tyre pressure. Brake operation efficiency can also be affected by dirt accumulated on tyres. Keep the brakes clean by wiping them with a damp cloth.	At least once a month, depending on usage conditions
Frame and Rear Axle Mount	Depending on the patterns of use and the possibility of abnormal use and wear, check all frame welds, axles, back canes, and seat mounts for evidence of cracking or other damage. Attention! If identified, suspend all use until damage is rectified.	At least once a month, depending on usage conditions

Turning wheels	The area between the fork and front wheel should be kept clean to avoid excessive wear on the caster bearings. Disassemble the front caster by separating it from the fork to remove all dirt, then apply technical grease to preserve the metal elements of the wheel.	Once a month depending on usage surface & conditions.
Detachable elements	Check the condition of detachable elements of the Wheelchair and tighten any loose screws.	Wheelchair and Device should be inspected once a month in case of intensive use.

Service

Introduction

Regular servicing is important for the longevity of the Device. All servicing and repairs must be carried out by an authorized Distributor.

For authorized repairs and service, please contact your Distributor directly.

⚠ **WARNING!** Unauthorized repairs will void the Warranty. The Manufacturer cannot guarantee proper functioning of the Device in cases of unauthorized service or repair and use of non-original parts.

Regular Servicing will be scheduled with the Distributor at the time of purchase.

One Month Check

- After the first month of use, the Device should be returned to the Distributor for an overall check.
- Any adjustments to the fitting can be made along with an overall check of fasteners and adjustable elements.

24-Month Service

- Apart from regular maintenance by the owner, a 24-month full Maintenance Service is required.
- The Device will be thoroughly checking for wear and parts will be replaced where required. The Pre-Delivery check will be repeated, and the Wheelchair and Device adjusted to suit the User's needs.
- Battery condition and power output of the drive wheel will also be checked.

Failure

In case of Device failure, contact your local Distributor immediately.

The Display has some diagnostic functions – you may be required to relay this information to the Service Technician, if you are not able to rectify the issue directly.

No.	Error alarm	Error description	Solution
1	Error 01	Normal condition	None
2	Error 03	Braking	Release the brake
3	Error 04	Throttle does not go to "0"	Release the throttle
4	Error 05	Throttle broken	1. Check the throttle cable
			2. Change throttle
			3. Contact Distributor
5	Error 06	Low voltage protections	1. Check the voltage of battery
			2. Charge the battery
6	Error 07	Over voltage protection	1. Check the voltage of battery
			2. Contact Distributor
7	Error 08	Motor hall sensor broken	1. Check motor cable
			2. Check motor hall sensor
			3. Contact Distributor
8	Error 09	Motor phase broken	1. Check motor cable
			2. Check motor resistance value
			3. Contact Distributor
9	Error 10	Motor temperature protection value	1. Allow motor to cool down
			2. Still not work, contact the Distributor
10	Error 11	Motor temperature sensor broken	1. Check motor cable
			2. Contact Distributor
11	Error 12	Current sensor broken	1. Check motor cable
			2. Contact Distributor
12	Error 13	Battery temperature sensor broken	1. Check battery temperature sensor
			2. Contact Distributor
13	Error 14	Controller temperature protection value	1. Allow motor to cool down
			2. Still not working, contact the Distributor
14	Error 15	Controller temperature sensor broken	Contact Distributor
15	Error 21	Speed sensor broken	Contact Distributor
16	Error 22	BMS communication broken	Contact Distributor
17	Error 23	Head lamp broken	1. Check lamp
			2. Check lamp cable
			3. Contact Distributor
18	Error 24	Head lamp sensor broken	1. Check lamp
			2. Check lamp cable
			3. Contact Distributor
19	Error 30	Communication broken	1. Check the display cable
			2. Contact Distributor

⚠ **Attention!** If using a transport service to send the device for repair of service, please use the original packaging. If the original packaging is not available, ensure that the packaging used is sufficient to protect the Device. If in doubt, please contact your Distributor for instructions.

⚠ **WARNING!** The Manufacturer does not take responsibility for transport-related damages to the Device or components caused by improper packaging.

8. Reuse

PAWS may be used by another person if required, but it must undergo technical inspection by an authorized specialist/Distributor before transferring to a new User, in accordance with the "MAINTENANCE" chapter. The device must be set up for the new User's abilities and needs. All functional areas must be checked – especially the handlebar controls. In addition to processes described in the "CLEANING" chapter, the device should be disinfected using generally available disinfectants without chlorine and phenol. The manufacturer is not responsible for damage caused by use of disinfectants.

9. Warranty and Liability

PAWS is a Powered Drive System designed to connect to the front frame of a manual wheelchair.

IMPORTANT SAFETY INSTRUCTIONS

The information below is essential for the safe setup and use of the PAWS system.

To maximize user safety when using a PAWS device with a wheelchair, the following elements are essential::

- Reading the User Manual
- Correct fitting and setup by a trained Product Specialist
- Instruction on correct use by a trained Product Specialist
- Maintenance being completed within required service intervals

Warranty

PAWS comes with a 24-month Warranty for all parts (except Battery) against manufacturer defect or faulty materials. The Battery comes with a 12-month Warranty against manufacturer defect or faulty materials.

It is a back to base Warranty and is managed via the Distributor.

It is a limited liability Warranty and does not cover damage to third-party wheelchairs.

PAWS Power Drive Systems and Wheelchair Compatibility

Wheelchairs are designed to safety standards that define how stable and durable they must be to ensure safety throughout a typical usage lifecycle (ISO 7176:1-20). This standard is written to simulate typical use with reference to manual propulsion and is tested to simulate a lifespan covering 350 km of travel.

Using a wheelchair with a Power Drive System may expose it to wear and tear far exceeding that experienced over a typical wheelchair's lifespan. Regular use with a Power Drive System over unsealed terrain and over extended distances may accelerate wear of critical wheelchair parts.

It is important that the user contacts their wheelchair manufacturer/supplier to confirm the wheelchair Warranty conditions and service requirements for use with a PAWS Powered Drive System.

Compatibility & Connection Table (CCT): Main Side or Anterior Wheelchair Frame Tube Connection Parameters	
Round Tube Diameter	Min: 19.0 mm - Max: 40 mm
Minimum Wall Thickness	1.2 mm
Tube Materials	High-grade Aluminium alloy - 6061-T6 or 7005-T6
	Titanium alloy (TiLite)
Clamping points width range	230 mm - 530 mm (according to adaptor chosen)
Straight Tube Section for Clamping	Minimum 50 mm, without bends.

Clamping Force	2000 N
Irregular or composite profiles	Asymmetric or Composite Fibres - interface adaptors needed*

* Contact the authorised distributor for PAWS to find out which composite frames or irregular profiles can be fitted with adaptors.

How to Extend Wheelchair Lifespan When Using PAWS Power Drive Systems.

- Ensure your wheelchair is compatible for connection with PAWS:
    - Ensure the clamp interface between the PAWS and the Wheelchair frame is correctly fitted to the specific profile/dimensions.
        - Check the Compatibility and Connection Table (CCT) to confirm that your Wheelchair can be used safely with PAWS and reference the CCT for critical dimensions and clamp pressure.
        - CCT shows the range of frame tube diameter, wall thickness and material that may be fitted to the Device.
- Ensure your wheelchair's frame material is appropriate:
    - Aluminium alloy frames (high grade) with 6000 and 7000 series alloy tubes may be paired with PAWS.
    - Composite fibres frames, such as carbon fibre, should not be paired with PAWS due to the inherent weakness of composites under compressive forces.
- Ensure your wheelchair's frame shape is appropriate:
    - Round Tubing – See the CCT
    - Non-round or asymmetrical profile shapes – Please consult with your authorised PAWS supplier
- Ensure the clamping force is appropriate:
    - Manual Clamping – The force required to maintain a secure connection is shown in the CCT.
    - Auto Clamping – The force required is measured in the electronic clamp jaws and does not need to be adjusted.
- Select the most appropriate rear wheels for maximising shock absorption:
    - Tyres - Large profile tyres are recommended. The bigger the tyre, the greater the shock absorbing capacity.
    - Spokes – Wheels with stainless steel spokes are recommended due to increased durability.
- Ensure your wheelchair is serviced and maintained regularly:
    - Frame inspection – Look for any wear, bending, indentation or cracks on the frame. If detected, please inform your Distributor immediately and have the Wheelchair and PAWS inspected.
    - Rear wheels – Check tyre pressure, quick release axle function, wheel symmetry, spoke tightness and rim condition.
    - Seat canvas – Look for general wear and any sign of fraying or breakage
    - Other components – Check for loose hardware or parts that may require adjustment. If necessary, use Loctite Blue 243 to ensure fasteners are appropriately secured.

Wheelchairs most suitable for pairing with PAWS

- The PAWS Wheelchairs are specifically designed to be paired with PAWS. These models were developed in parallel with PAWS and encompass all of the durability features and requirements observed in PAWS development testing.
- Features include:
  - Frame Reinforcement
  - Rear Axle Camber
  - Rigid Back Canes
  - Safety Belt
  - Rear Wheels with stainless steel spokes and high-profile tyres

- Third Party Wheelchairs
  - Only wheelchairs that have passed ISO 7176 by an independent testing authority should be paired to power add-on devices.
  - The wheelchairs paired must meet the criteria for frame tubing, especially at the clamp interface. Please refer to the CCT for frame requirements.
  - Device and Wheelchair coupling must be performed by an authorised PAWS distributor.

The Warranty is limited to replacement due to defects in parts or workmanship. REHASENSE shall not replace any units that malfunction or are damaged due to abuse, accidents, alteration, misuse, neglect, maintenance by someone other than REHASENSE or an authorised sales partner, or failure to operate the instrument in accordance with the instructions in this User Manual.

Further, REHASENSE assumes no liability for malfunction of or damage to REHASENSE products caused by use with a wheelchair, charger, or accessories other than those recommended in this user manual.

REHASENSE cannot guarantee performance of the PAWS when used with any wheelchairs or chargers other than those recommended in this User Manual, and does not warrant performance of the PAWS when used with a non-recommended wheelchair or charger, or in case of unauthorized alteration or modification to the Device, Wheelchair or Charger.

REHASENSE makes no Warranty regarding the performance of the PAWS when used with any wheelchair or charger other than those recommended in this user manual.

REHASENSE MAKES NO OTHER EXPRESS WARRANTY FOR THIS PRODUCT. THE OPTION OF REPLACEMENT, DESCRIBED ABOVE, IS THE ONLY OBLIGATION OF REHASENSE UNDER THIS WARRANTY. IN NO EVENT SHALL REHASENSE BE LIABLE FOR INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES, EVEN IF REHASENSE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

- Warranty – In case of defect or damage, the User should immediately inform the Distributor.
- Warranty for defects - The Manufacturer guarantees that the device is free of defects at the time of delivery. This Warranty expires 24 months after the date of delivery of the Device.
- During the Warranty period, all material, or parts defects (excluding the Battery), caused by manufacturing faults or usage of improper materials during construction will be repaired or replaced free of charge.
- Battery exception: The Battery has a replacement guarantee of 12 months from the time of purchase. This is because the condition and performance of the battery will depend on the recharging history.

The Warranty does not include:

- Devices whose serial numbers have been tampered with or removed.
- Worn parts such as tyres, grips, handles, levers, and spokes.
- Defects caused by normal wear, incorrect handling including non-compliance with the instructions in this User Manual, accidents, reckless damage, damage caused by fire, water, force majeure, and other events that are outside the control of the Manufacturer.
- Parts that may require servicing or replacement due to normal wear and tear as part of normal use (e.g., tyre change).
- Device inspection without detection of a fault or defect.
- All mechanical defects and damages caused by improper usage or usage not intended by the Manufacturer
- Unauthorized changes and modifications to the Device

Range of responsibility - This Warranty does not cover:

- Transport cost
- Personal injury or other damages related to a malfunction of this device
- Damage caused by the User's inability to operate the device
- Damages resulting from inappropriate or incorrect understanding of this User Manual

Modifications - Any unauthorized modifications of the Device shall void the Warranty. If you have any questions concerning modifications, please contact the Manufacturer before you take action.

Liability **-** The Manufacturer shall not be liable for the safety of the Device, if:

- The Device is incorrectly handled.
- The Device is not serviced at the prescribed two-year intervals by an authorized specialist/Distributor.
- The Device is operated in contravention to the instructions in this User Manual.
- The Device is operated with insufficient battery charge.
- The Device is repaired or modified by a non-authorised party.
- Third-party parts have been attached to the Device.
- Parts of the Device have been removed.

10. Scope of Delivery and Identification

Scope of Delivery

The Device is delivered partially disassembled and requires setting up and adjusting after unpacking. Setup should be completed by an authorized Distributor.

Please check the contents of the box before proceeding to Assembly. Each delivery includes these items:

- Main frame, handlebar assembly and drive wheel – assembled
- Manual or Auto Clamp
- Battery Pack

- Battery Charger
- Hexagonal Key Wrenches (for assembly and adjustment)
- 2 pcs of Open End and Socket Spanners
- User Manual

Optional Accessories that may be included:

- Compact Smart Tyre Inflator
- Taillight

⚠ **Attention!** Please keep the original packaging in case the Device needs to be transported to the Distributor or Manufacturer, or if long-distance travel is required.

Packaging Instruction

Please keep all original packaging materials – these may be needed to ship the Device for service or repair.

Identification

The Label located on the side of the main frame contains important information about the Device.

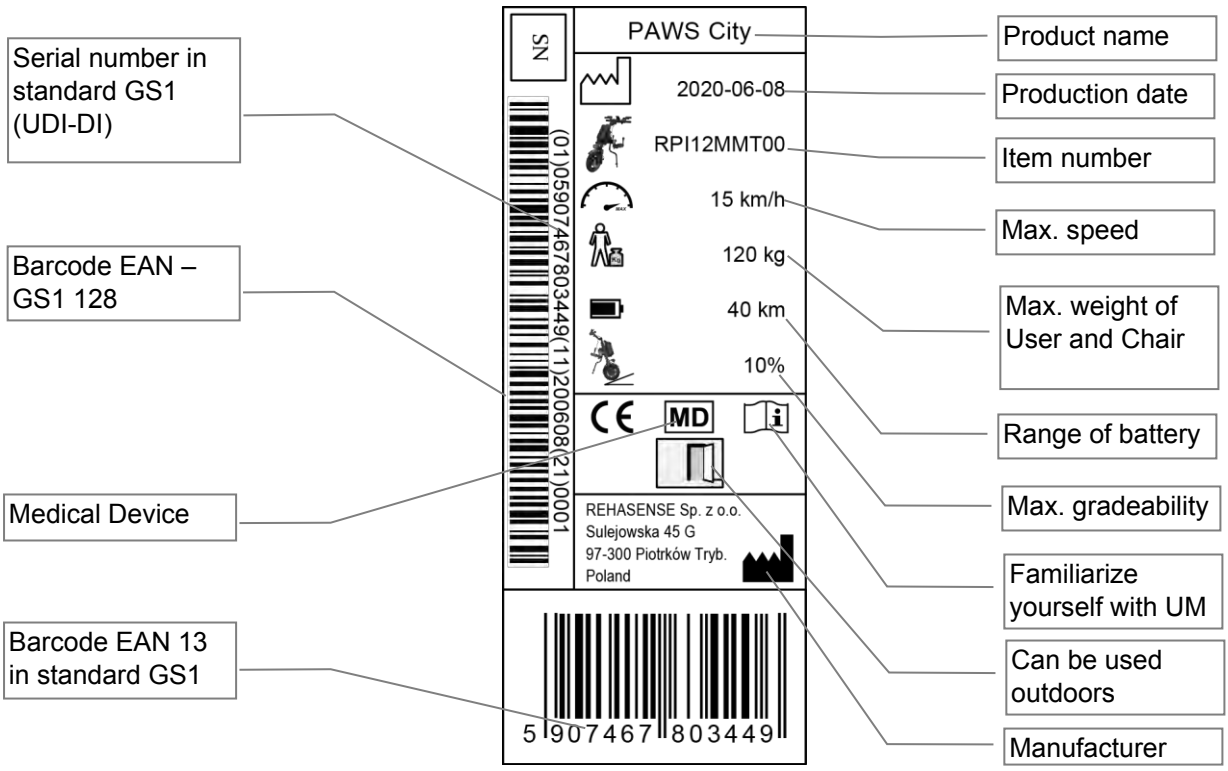


Figure 2. Label

Type - Type describes key elements of the Device. The codes for each of the ten places in Type are described below:

Place 1 – The Manufacturer: "R" for REHASENSE

Place 2 – The Family: "P" for PAWS

Place 3 – the Style: "I" for City; "C" for Cruiser; "T" for Tourer

Places 4 and 5 – Wheel Diameter: 12"; 14"; 16"; 20"

Places 6 and 7 – Docking: "MM" Manual Lift/Clamp; "AM" Auto Lift/Manual Clamp; "AA" Auto Lift/Clamp

Place 8 – Handlebar Control: "S" Standard; "T" Tetra

Place 9 and 10 – Tyre reference: "01" for Standard; "00" for Fat Tyres (over-dimensioned tyres)

Item no.	Item description:	Model name	Clamping	Lifting	Wheel diameter
RPI12MMS00	PAWS / CITY 12" / MANUAL CLAMP & LIFT / NORMAL HANDLES	City	Manual	Manual	12"
RPI12MMT00	PAWS / CITY 12" / MANUAL CLAMP & LIFT / TETRA HANDLES	City	Manual	Manual	12"
RPI12AAS00	PAWS / CITY 12" / AUTOMATIC CLAMP & LIFT / NORMAL HANDLES	City	Auto	Auto	12"
RPI12AAT00	PAWS / CITY 12" / AUTOMATIC CLAMP & LIFT / TETRA HANDLES	City	Auto	Auto	12"
RPI14MMS00	PAWS / CITY 14" / MANUAL CLAMP & LIFT / NORMAL HANDLES	City	Manual	Manual	14"
RPI14MMT00	PAWS / CITY 14" / MANUAL CLAMP & LIFT / TETRA HANDLES	City	Manual	Manual	14"
RPI14AAS00	PAWS / CITY 14" / AUTOMATIC CLAMP & LIFT / NORMAL HANDLES	City	Auto	Auto	14"
RPI14AAT00	PAWS / CITY 14" / AUTOMATIC CLAMP & LIFT / TETRA HANDLES	City	Auto	Auto	14"
RPC16MMS00	PAWS / CRUISER 16" / MANUAL CLAMP & LIFT / NORMAL HANDLES	Cruiser	Manual	Manual	16"
RPC16MMT00	PAWS / CRUISER 16" / MANUAL CLAMP & LIFT / TETRA HANDLES	Cruiser	Manual	Manual	16"
RPC16AAS00	PAWS / CRUISER 16" / AUTOMATIC CLAMP & LIFT / NORMAL HANDLES	Cruiser	Auto	Auto	16"
RPC16AAT00	PAWS / CRUISER 16" / AUTOMATIC CLAMP & LIFT / TETRA HANDLES	Cruiser	Auto	Auto	16"
RPT20MMS00	PAWS / TOURER 20" / MANUAL CLAMP & LIFT Fat tyre 20"x4"/ NORMAL HANDLES	Tourer	Manual	Manual	20"x4"
RPT20MMT00	PAWS / TOURER 20" / MANUAL CLAMP & LIFT Fat tyre 20"x4"/ TETRA HANDLES	Tourer	Manual	Manual	20"x4"
RPT20AAS00	PAWS / TOURER 20" / AUTOMATIC CLAMP & LIFT Fat tyre 20"x4" / NORMAL HANDLES	Tourer	Auto	Auto	20"x4"
RPT20AAT00	PAWS / TOURER 20" / AUTOMATIC CLAMP & LIFT Fat tyre 20"x4" / TETRA HANDLES	Tourer	Auto	Auto	20"x4"
RPT20MMS01	PAWS / TOURER 20" / MANUAL CLAMP & LIFT / 20"x2.125" TIRE / NORMAL HANDLES	Tourer	Manual	Manual	20"x2.125"
RPT20MMT01	PAWS / TOURER 20" / MANUAL CLAMP & LIFT / 20"x2.125" TIRE / TETRA HANDLES	Tourer	Manual	Manual	20"x2.125"
RPT20AAS01	PAWS / TOURER 20" / AUTOMATIC CLAMP & LIFT / 20"x2.125" TIRE / NORMAL HANDLES	Tourer	Auto	Auto	20"x2.125"
RPT20AAT01	PAWS / TOURER 20" / AUTOMATIC CLAMP & LIFT / 20"x2.125" TIRE / TETRA HANDLES	Tourer	Auto	Auto	20"x2.125"

Figure 3. Model Decoder – Types and Descriptions

11. Product Specifications

Element	City 12"	City 14"	Cruiser 16"	Tourer 20"*2.125	Tourer 20"*4
Overall L*W*H: (mm)	800 x 490 x 810	800 x 490 x 810	820 x 490 x 860	1000 x 520 x 920	1000 x 520 x 920
Packing L*W*H: (mm)	1110 x 600 x 300	1110 x 600 x 300	1110 x 660 x 290	1260 x 705 x 290	1260 x 705 x 290

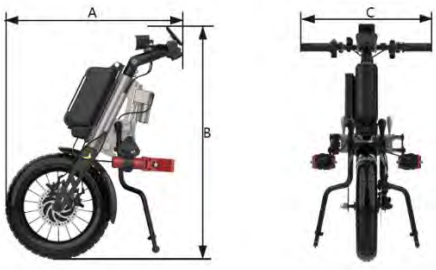
Max. weight of person: (kg)	120	120	120	120	120
Max. overall weight:(kg)	140.8	141.3	143.8	147.5	148.8
Total weight less battery:(kg)	17.5	18	20.5	24.2	25.5
Battery Weight: (kg)	3.3	3.3	3.3	3.3	3.3
Total weight: (kg)	20.8	21.3	23.8	27.5	28.8
Motor Power: (W)	350	400	500	500	500
Motor max input power (W)	900	900	1100	1100	1100
Motor MAX Torque(N.M)	45	60	78	87	87
Motor Voltage: (V)	48	48	48	48	48
Battery Capacity:(Ah)	11.6	11.6	11.6	11.6	11.6
Battery Rated Energy: (Wh)	557	557	557	557	557
Battery: (mm) (LxWxH)	371 x 130 x 86	371 x 130 x 86	371 x 130 x 86	371 x 30 x 86	371 x 30 x 86
Battery Charger	Standard	Standard	Standard	Standard	Standard
Charge time: (Hour)	5	5	5	5	5
Docking - Auto/Manual	Option	Option	Option	Option	Option
Disc and "e" Brakes	Standard	Standard	Standard	Standard	Standard
Parking Brake	Standard	Standard	Standard	Standard	Standard
Turning Radius:(cm)	100	110	120	150	150
Climbing capability (dg)	10	10	10	10	10
Step climbing height (mm)	50	50	40	55	55
Range On flat terrain: (km)	40	40	38	35	35
Max Speed: (km/h)	The gear and speed settings are programmed to meet local regulated speeds.				
Modes: in range (km/h)					
Reverse Gear	Yes	Yes	Yes	Yes	Yes
Cruise Control	Yes	Yes	Yes	Yes	Yes
Walking Mode	Yes	Yes	Yes	Yes	Yes
Tetra Function	Option	Option	Option	Option	Option
Frame Material	Steel & Aluminum	Steel & Aluminum	Steel & Aluminum	Steel & Aluminum	Steel & Aluminum
Tyre: (Inches)	12.5*2.25 (57-203)	14*3.0-8 (58-203)	16*3 (76-305)	20*2.125 (57-406)	20*4.0 (100-406)
Rim	24 x 203	38 x 203	50 x 305	73 x 406	73 x 406
Rec. Tyre Pressure:(Bar)	2.8	2.8	2.4-3.1	2	2
Bell or Horn	Horn	Horn	Horn	Horn	Horn
Front Light	Yes, 3 positions	Yes, 3 positions	Yes, 3 positions	Yes, 3 positions	Yes, 3 positions

Figure 4. Specifications

⚠ **Attention!**

- Max speed is only available via special order where a suitably qualified Therapist's assessment is provided and, the Device will not be used on public footpaths, roads or thoroughfares.

- Speed modes 1-2 are for each product.
- Speed limits are determined according to local traffic regulations. These limits will be programmed at the time of manufacture and are tiered from 1 (slowest, akin to a gentle walking pace) to 5 (fastest); 5 being the maximum legally allowed by the traffic authorities. If a lower limit is required (lower than local regulations permit), then this can be programmed by the Distributor.



Device in Park Position

Battery

(mm)	A	B	C
12″	800	810	490
16″	820	860	490
20″	1000	920	520

Table Dimensions

Figure 5. Device and Battery Dimensions

Dia.	Tread Pattern	Description	Dia.	Tread	Description
12″		Brand: CHAOYANG Size: 12 1/2 x 2 1/4 ETRTO: 52-203 Pattern: H-5 Air Pressure: 40 P.S.I / 2.8 Bar Car Valve	14″		Brand: INNOVA Size: 14x 3.0 ETRTO: 76-203 Pattern: IA – 2805 Air Pressure: 50 P.S. I / 3.5 Bar Car Valve
16″		Brand: CST Size: 16X3.0 ETRTO: 75-305 Pattern: C-1488 Air Pressure: 35-45 P.S.I / 2.4-3.1 Bar Car Valve	20″		Brand: CST Size: 20X4.0 ETRTO: 100-406 Pattern: C-1752 Air Pressure: 30 P.S.I / 2.0 Bar Car Valve
20″		Brand: CST Size: 20X2.125 ETRTO: 57-406 Pattern: C-1488 Air Pressure: 35-45 P.S. I / 2.4-3.1 Bar Car Valve			

Figure 6. Tyre Specifications

12. Configurations, Controls and Display.

Description

The Device is configured at the time of ordering and may involve a therapist with the Distributor and User discussing the options that best suit the User's situation.

Thus, the set-up of controls of the Device will be matched to the driving, braking, and docking options chosen by the User at the time of ordering.

While most features are standard, there are options in the Docking, Driving and Braking Systems to allow the User a level of control that does not exceed their physical abilities.

Generally, Users with neural damage and/or muscle atrophy will choose auto or assisted docking, driving and braking controls.

⚠ **Attention!** Configurations are set during manufacture and can only be changed by the Manufacturer or authorized Distributors with approved components.

Configuration

The needs of the User determine the set-up of the Device and controls. The set-up offering the most assistance is for Users with restricted neuro-muscular abilities.

Assistance is provided in two forms:

- Power Assisted Docking – Clamping/Unclamping & Lifting/Lowering
- Driving and Braking – Tetra controls to support these actions.

Tetra Handlebars are for Users with diminished trunk and upper extremity strength and/or reduced fine motor control. The main difference is the gripping method for the hand controls for throttle (right hand) and brake (left hand).

For the Tetra Handles, there are two additional prongs that allow the User's hands and wrists to be more actively employed in the control movement.

The angle of the Tetra Handles will need to be set-up individually for optimal control.

⚠ **Attention!** The User's ability to control the key functions of speed control and braking will determine whether the Device is safe to use or not.

Controls

The controls are switches, buttons or levers that are used to operate the Device. They describe the five main "systems" of the device:

- Power – Battery and Device
- Safety – Lighting and Warning
- Docking – Clamping/Unclamping & Lifting/Lowering
- Driving – Accelerating/Decelerating
- Braking – Slowing down & Parking.

No	Systems	Name	Function	Std.	Tetra
1	Power	Battery	Powers device	x	
2		Battery Lock	Key lock for Battery	x	
3		Battery Power Button	Starts battery & charge level	x	
4		Device Power Button	Device "on" or "off" button	x	
5		Traction Control Switch	Prevents wheel spin	x	

6	Safety	Head Light Switch	Selects 3 headlight settings	x	
7		Horn Button	Audible warning button	x	
8	Docking	Auto Clamp/Lift Switch	Clamp/Unclamp & Lift/Lower	x	x
9		Manual Lift Control Lever	Control 3 Lift Positions	x	x
10	Drive	Screen	Driver Display	x	
11		Direction Switch	Forward or Reverse	x	
12		Throttle Handle	Controls acceleration	x	x
13		Tetra Throttle Handle	Controls acceleration	x	x
14		Walking Mode Switch	Sets to 2 walking speeds	x	
15		Cruise Button	Cruise control on and off	x	
16		Speed Mode Button - Up	Selects higher speed modes	x	
17		Speed Mode Button - Down	Selects higher speed modes	x	
18	Braking	Brake Handle Lever	Controls braking during driving	x	x
19		e-Driving Brake	Controls braking during driving	x	x
20		Parking Brake Catch	Controls stationary braking	x	x
21		Parking Brake	Controls stationary braking	x	x

Figure 7. PAWS Device Controls

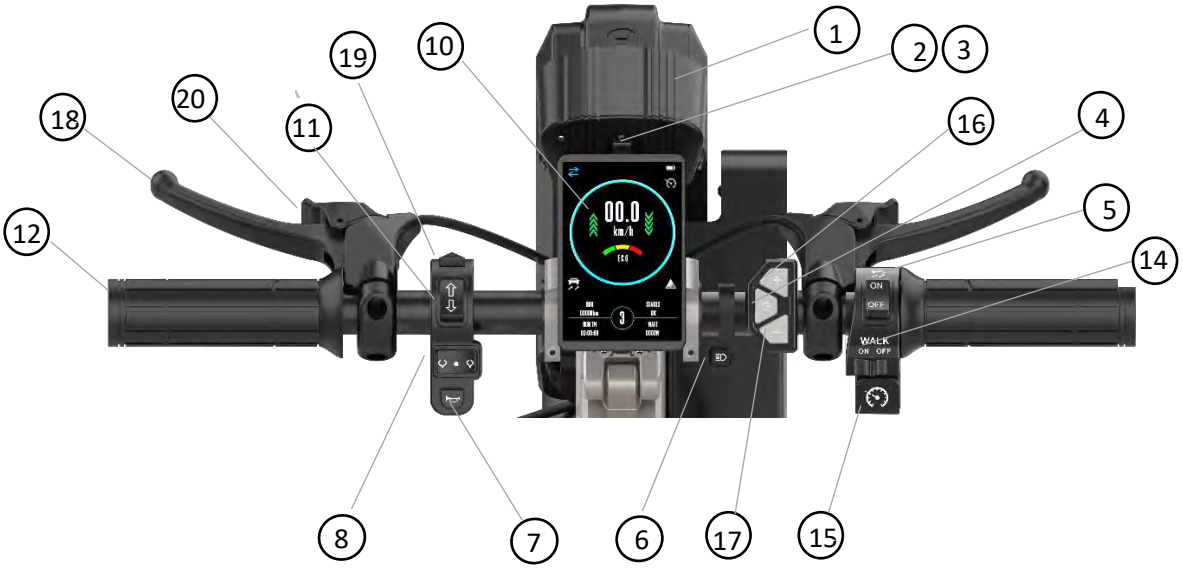


Figure 8. Standard Controls

Figure 9. Tetra Controls

Display


Connection between Controller and Screen
Forward
Instant Speed
Traction Mode
Driving Mode
Total Travel Distance
Single Travel Time
Residual Battery
Cruise
Reverse
Power Consumption Efficiency
Walking Mode
Driving Status
Instant Power
80%
0.0
KM/H
ECO
ODO
00000
TRIP
0000
0
RUN TM
00:03:04
WATT
011


E- Parking
Walking Mode
Motor Temperature
Controller Voltage
Controller Temperature
Controler Current
80%
0.0
KM/H
ECO
Motor
019
Control
023
0
Voltage
051
Current
000

13. Device Assembly

Introduction

This section describes: -

- **Assembly** according to the clamping and lifting configuration chosen
- General **operation**, with exceptions where configurations vary

13.1 Naming of Parts

Description

This section shows and names all major assemblies and key functional parts of the Device for Manual and Auto Docking Assemblies.

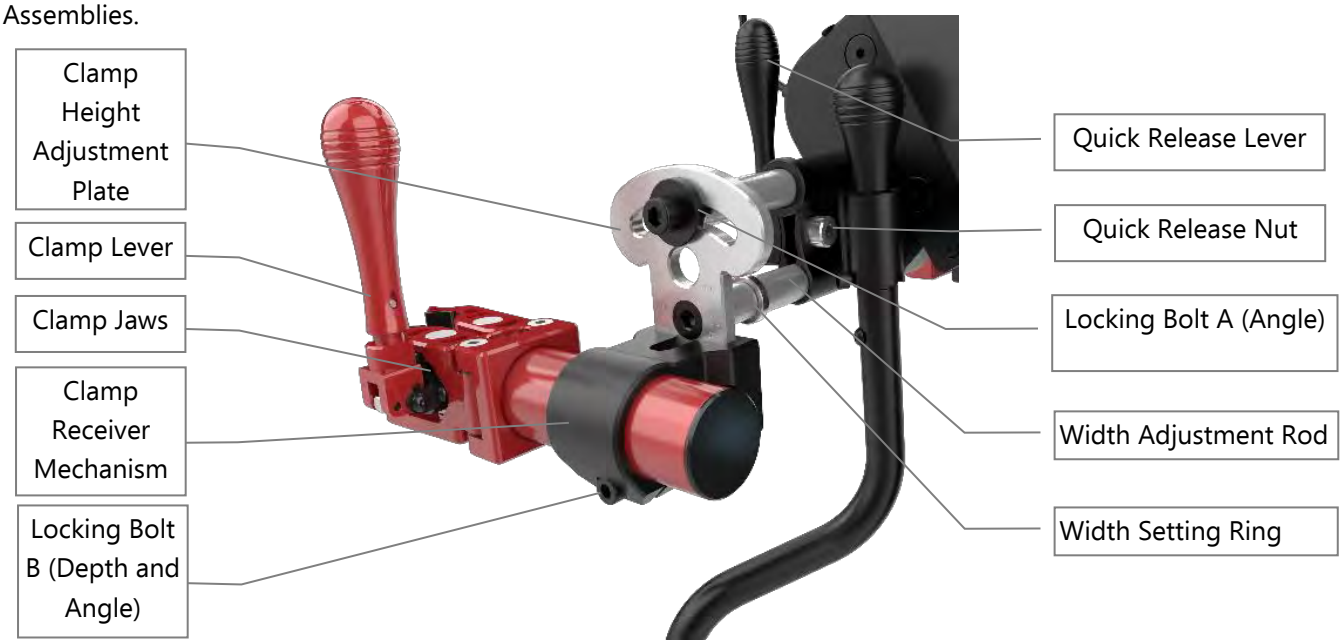


Figure 11. Manual Clamp and Width Adjustment Assemblies

Figure 12. Auto Clamp and Width Assemblies

13.2 Assembly – Manual Clamp and Lift

Introduction

This configuration is available in 12", 14", 16" and 20" versions. Please check the model number in the model decoder in Section 9.

The Manual clamps are assembled and adjusted to fit the chair. The Lift is controlled by a lever on the Handlebar and has three positions – Parking, Short and Long Wheelbase.

Procedure

Setting up the device on its legs with Clamps in position.

- Remove all parts from the packing box and check against Figure 13, below.

Handy Tip: Keep the carton and packaging for future transport requirements.

Figure 13. Parts shown in the packing box

- Insert the Manual Clamp Assembly into the Device with the two Width Adjusting Rods and into the two receiving holes. The QR Lock Levers must be down and loose to receive the Manual Clamp Mechanism. Once the width is established it is locked upright (see Figure 14).

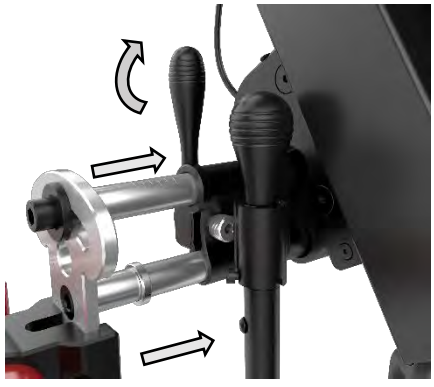


Figure 14. Assembling the Manual Clamp Assembly to the Width Adjustment Assembly

- Stand and support the Device on its wheel. Rotate the Support Legs outwards to support the Device in the standing position. Ensure the locating bolts at the top of the Supporting Legs are clearly in the key-way slot.

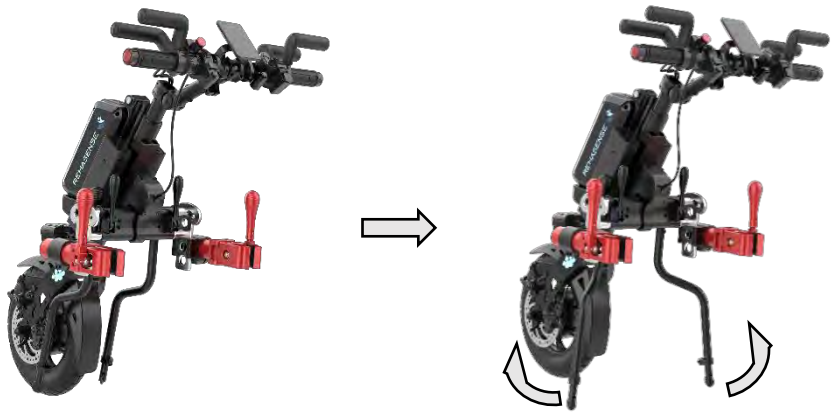


Figure 15. Rotating the Support Legs to the Park Position

- Press the Lift Lock Lever on the handlebar and pull back the Support Legs to the Park position so the Device can stand freely.

- ⚠ **Attention!** "Park" is the position required for docking and un-docking during the clamping steps.

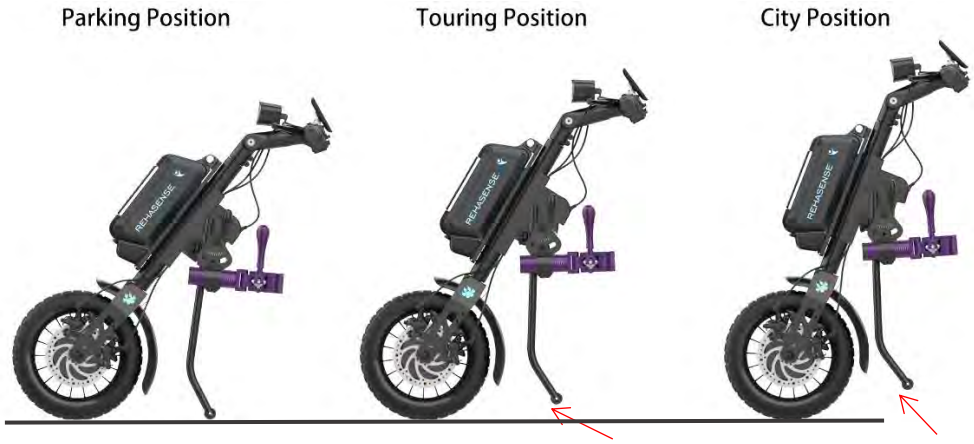


Figure 16. Different positions for the Lift Mechanism

(See Section 13 "Operating" for more information on driving positions)

- Set the Handlebars. Rotate the handlebars into the correct driving position. Tighten the four hex bolts in the holding bracket to prevent unwanted movement of the handlebars.

⚠ **Attention!** The recommended Torque setting for these bolts is 8 Nm (Newton Meters).

Figure 17. Fixing the Handlebars in the Operating Position.

Fitting to the chair.

Introduction

Connecting the chair to the Device is important – only clamp the Device to the front tubes of the chair and not to any removable or swing-away parts. It is important to clamp the Device evenly to the chair. Please take time to ensure the best fit.

Fitting occurs in two stages, with six possible adjustments for each side. The first stage is to adjust all settings to an approximate fit. The second stage is after the Clamp Jaws are closed, when final micro-adjustment of angles, widths, height, and depth can be made before tightening all bolts and nuts. See Figure 18.

Procedure

Setting height of the device in relation to the Wheelchair

- The height relationship between Device and Wheelchair can be adjusted by loosening the Height Adjustment Bolt on the side of the Clamp Mechanism Receiver. Measure both sides to ensure equal height settings.
- When docked, the Clamp Jaws should be in the middle section of the front chair tubes or where there is a section of straight tube slightly greater than that of the clamping area of the Clamp Jaws.

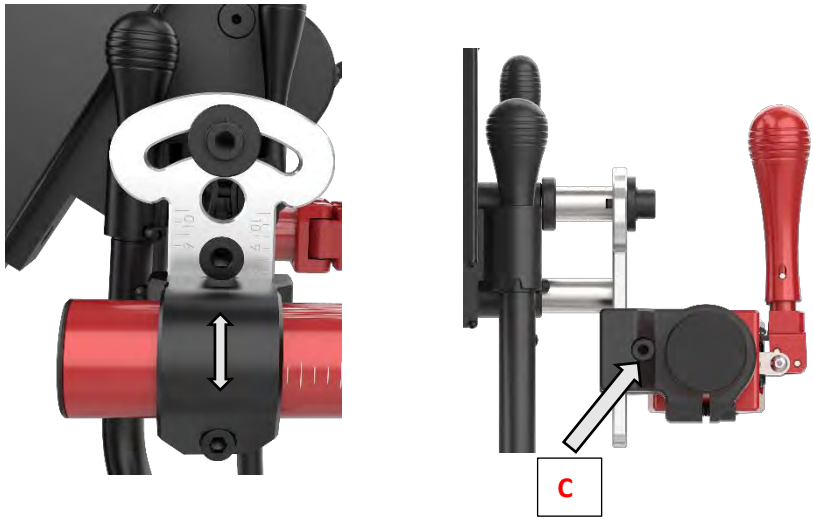


Figure 18. Different positions for Height Adjustment.

⚠ **Attention!** The recommended Torque setting of Bolt C is 35 Nm (Newton Meters).

Setting the Clamp Jaws

Clamp Jaws need to be set for width, angle, and depth so that the clamping forces are equal for both sides.

- Adjust the width of the Clamp Jaws to the chair frame front tubes by pulling down the QR Levers to allow the Clamp Mechanism Receiver to slide in and out of its housing. See Figure 11 above.
- Once the centre of the Clamping Jaws is in line with the mid-line of the chair tubes, close the QR Levers.
- To fit a narrower chair, the Clamp Mechanism Receiver on both sides can be reversed to an inward orientation. See Figure 19 below. Pull down the QR Levers, slide out the Width Adjusting Rods, reverse the Clamp Mechanism Receiver then put in the Clamp Jaws and adjust the width of the Clamp Jaws to the Wheelchair frame front tubes by sliding in and out of the housing. Once the centre of the Clamping Jaws is in line with the mid-line of the chair tubes, close the QR Levers.

⚠ **Attention!** The tension on this lever can be adjusted using the nut on the other side of the lever. See Figure 11 above.

Figure 19. Reversing the Clamp Mechanism Receiver to inward orientation

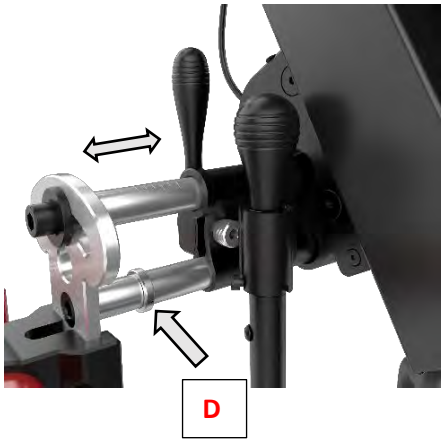


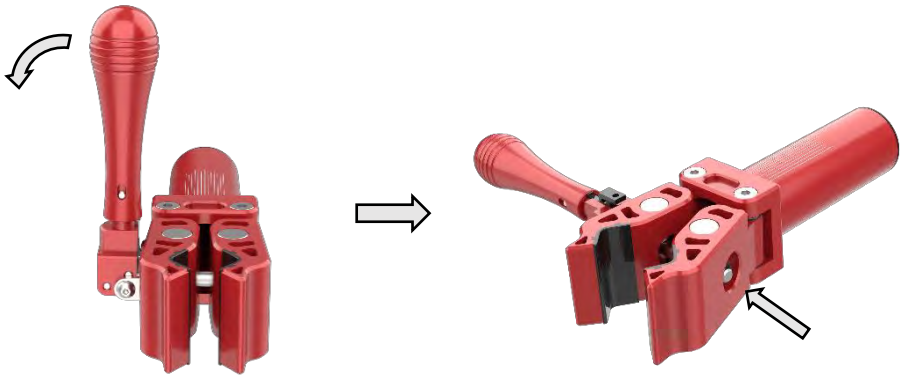
Figure 20. Adjusting the Tension Nut for the Width Adjustment Lever

(Note the Width Setting Ring on the lower rod)

Handy Tip: Adjust the Width Setting Ring Bolt D on the lower rod of the Clamp Receiver – fix this in place to mark the width and make it easy to reposition if the Clamping structure needs to be removed for transport. All other adjustment settings will be retained.

⚠ **Attention!** The recommended Torque setting of Bolt D is 5 Nm (Newton Meters).

- Adjust the jaw opening, to receive the front tube of the Wheelchair. Do this for both sides.



Opening **Adjusting**

Figure 21. Opening and adjusting the width of the Clamp Jaws.

- Adjust the lateral angle of the Clamp Jaws to the front tubes. Adjust the Clamp Jaw angle to the Wheelchair tube by rotating at Bolt A. The Clamp Jaws should grip the Wheelchair tube evenly when they are closed. Do this for both sides.

⚠ **Attention!** The recommended Torque setting of Bolt A is 50 Nm (Newton Meters).

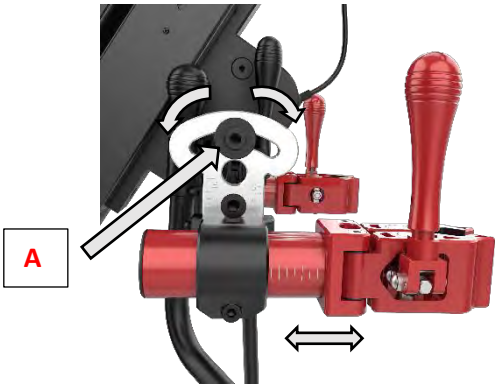


Figure 22. Changing the Lateral Angle and Depth of the Clamp Jaws

- Setting the Frontal Angle of the Clamp Jaws to the front tubes. Rotate the Clamp Jaws so that they are parallel to the tubes.

Figure 23. Changing the Frontal angle of the Clamp Jaws

- Setting the depth of the Clamp Jaws to the Device. Adjust the Clamp depth (determines distance from Device to Wheelchair) to ensure space between the User's knees and the Device.

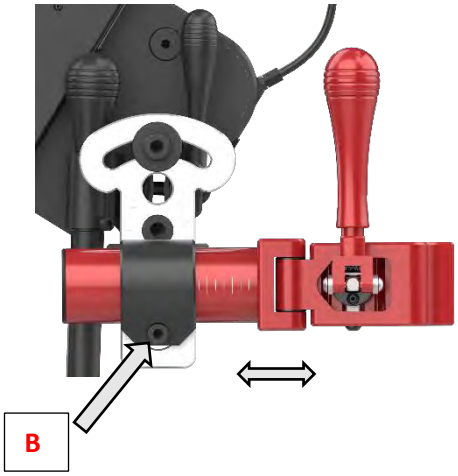


Figure 24. Depth adjustment of the Clamp mechanism in relation to the Device

⚠ **Attention!** The Clamp mechanism and Clamp Receiver must maintain full contact – do not extend the depth beyond what is possible with full contact of the Receiver and Clamp mechanism.

Do this for both sides ensuring that the calibration marks for angle, rotation and depth are approximately the same.

- Close the Clamp Jaws and then adjust the Clamp Jaw Tensioning Nut (see Figure 21) to 8 Nm Torque (example) or whatever the User is able to comfortably manage. If the User is unable to close the clamp with the Clamp Jaw Tensioning Nut set at 8 Nm of torque, then an Auto Clamping model is required.

⚠ **Attention!** The recommended Torque setting of this angle and depth adjustment Bolt B is 25 Nm (Newton Meters). See Figure 24 above.

The Device is now ready to operate.

13.3 Assembly – Auto Clamp and Lift

Description

The electric Auto Clamps are attached and adjusted to fit the chair. The Auto Clamp and Lift functions are controlled by an electronic switch mounted on the Handlebar. There are three Lift positions – Parking, Short and Long Wheelbase positions

This configuration is available in 12", 14", 16" and 20" versions. Please check Figure 4. Model Decoder -Types and Descriptions. Please review Figure 12 for naming of parts.

Procedure

Remove all parts from the packing box and check against the list in Section 9 (above).

Handy Tip: Keep the carton and packaging for future transportation requirements.

Figure 25. Auto Device Packing Box

- Insert the red Auto Clamp Assembly into the Clamp Receiver with the Jaw Width Adjusting Nuts facing outwards and the rounded surface of the body facing upwards (see Figure 12).
- Insert the two Width Adjusting Rods into the two receiving holes. The QR Lock Levers must be down and loose to receive the Manual Clamp Mechanism. Once the width is established, the Lever can be locked upright (see Figure 26).

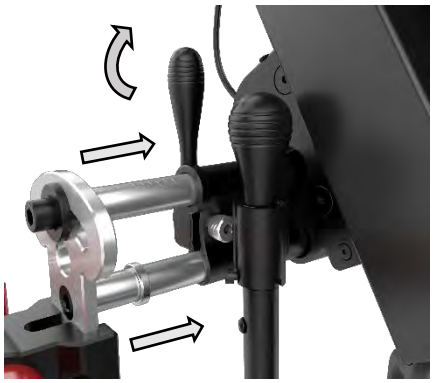


Figure 26. Assembling the Clamp Assembly to the Width Adjustment Assembly

- Stand and support the Device on its wheel. Rotate the Support Legs outwards allowing them to support the Device in a standing position. Ensure the locating bolts at the top of the Supporting Legs are clearly in the key-way slots.

Figure 27. Rotating the Support Legs to the Park Position

Press the Lift Lock Lever and pull back the Support Legs to the Park position to allow the device to stand freely.

⚠ **Attention!** "Park" is the position required for docking and un-docking during the clamping steps.

Figure 28. Different positions for the Lift Mechanism

⚠ **Attention!** There is an Indicator on the Lift Mechanism that shows the position that has been selected. This is either 1, 2 or 3. For more information on Driving Positions see "Section 1: **Operating**".

- Set the Handlebars. Rotate the handlebars into the correct driving position. Tighten the four hex bolts in the holding bracket to prevent unwanted movement of the handlebars.

⚠ **Attention!** The recommended Torque setting for these bolts is 8 Nm (Newton Meters).

Fitting to the Wheelchair

Introduction

⚠ **Attention!** Do not move the Device while it is standing only on its support legs – this may cause the legs to rotate if not properly engaged in the rotation lock, causing the Device to fall.

Connecting the Wheelchair to the Device is important – only clamp the Device to the front tubes of the chair and not to any removable or swing-away parts. It is important to clamp the Device evenly to the chair. Please take time to ensure the best fit.

Fitting involves two stages, with six possible adjustments for each side. The first stage is to adjust all settings to an approximate fit. The second stage is after the Clamp Jaws are closed, when final micro-adjustment of angles, widths, height, and depth should be made before tightening all bolts and nuts.

Procedure

Setting the height of the Device in relation to the chair.

- The fitting height can be adjusted by loosening the Height Adjustment Bolt on the side of the Clamp Mechanism Receiver. Measure both sides to ensure equal height settings. Height adjustment can also be managed by swapping sides and inverting the Auto Clamp Mechanism.

⚠ **Attention!** Be careful to change sides so the Clamp Adjusting Nuts are facing outwards.

- When docked, the Clamp Jaws should be in the middle section of the front Wheelchair tubes or where there is a section of straight tube slightly greater than the clamping area of the Clamp Jaws.

⚠ **Attention!** Avoid clamping to uneven tube sections.

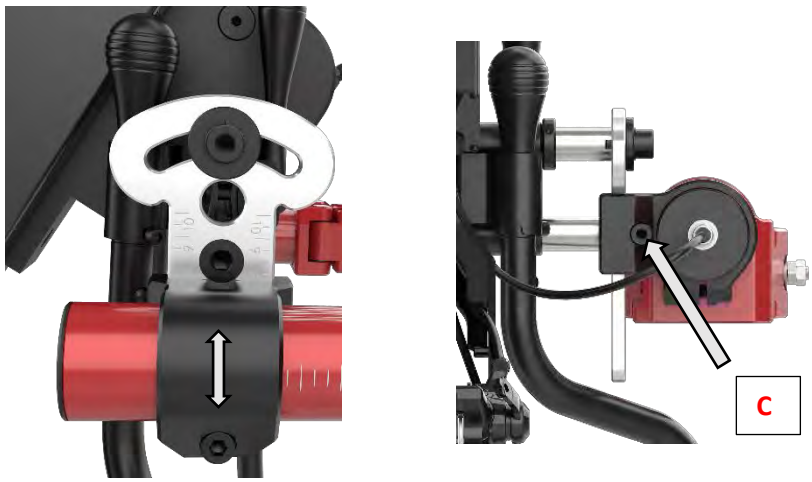


Figure 29. Different positions for Height Adjustment

⚠ **Attention.** The recommended Torque setting of Bolt C is 35 Nm (Newton Meters).

Setting the Clamp Jaws

The Clamp Jaws need to be set for width, angle, and depth so that the clamping forces are equal on both sides.

- All adjusting bolts and QR Levers need to be loosened or released before starting this process.
- Position the Wheelchair so that the front tubes are close to, but not touching, the Clamp Jaws.

- Adjust the centres of the Clamp Jaws to align with the centres of the Wheelchair front tubes by moving the Clamp Assembly in or out of the Width Adjustment Assembly.
- Adjust the Jaw opening, using the spanner provided, to easily receive the front tube of the Wheelchair. Do this for both sides.
    - Once the centres of the Clamp-Jaws are in line with the mid-line of the Wheelchair tubes, roll the Wheelchair forward so that the front tubes are inside the Clamp Jaws.

⚠ **Attention!** The tension on this lever can be adjusted using the nut on the other side of the lever. See Figure 12 above.

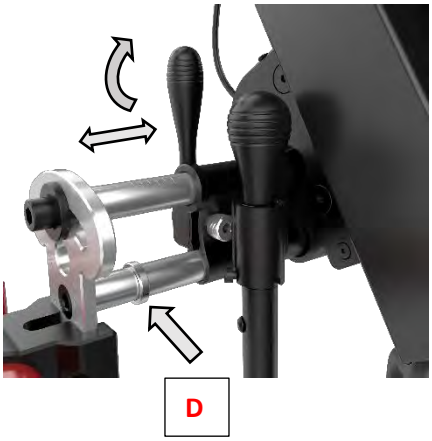


Figure 30. Adjusting the Clamp Jaw width

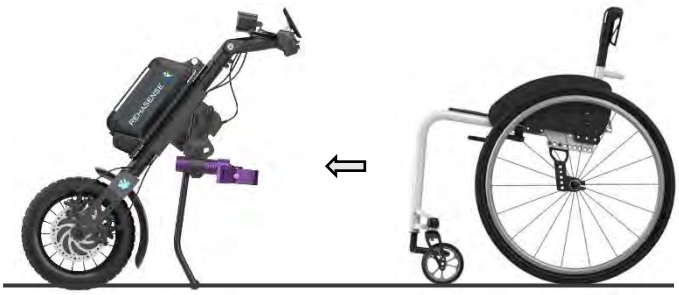


Figure 31. Roll the Wheelchair to the Device

Handy Tip: Adjust the Width Setting Ring Bolt D on the lower rod of the Clamp Receiver – fix this in place to mark the width and make it easy to reposition if the Clamp Mechanism needs to be removed for transport. All other adjustment settings will be retained.

⚠ **Attention!** The recommended Torque setting of Bolt D is 5 Nm (Newton Meters).

- Set the lateral angle of the Clamp Jaws to the front tubes by rotating Bolt A.
- The Clamp Jaws should grip the Wheelchair tubes evenly when they are closed. Do this for both sides.

⚠ **Attention!** The recommended Torque setting of Bolt A is 50 Nm (Newton Meters).

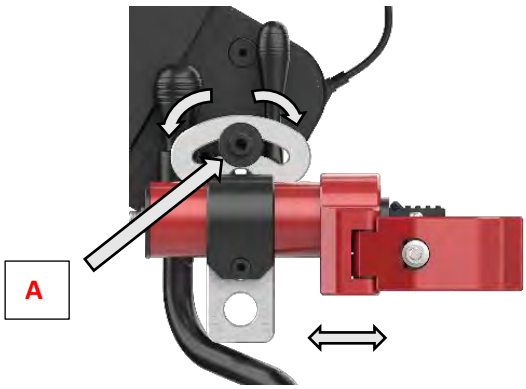


Figure 32. Changing the Lateral Angle and Depth of the Clamp Jaws.

- Setting the Frontal Angle of the Clamp Jaws to the front tubes. Rotate the Clamp Jaws parallel to the tubes.

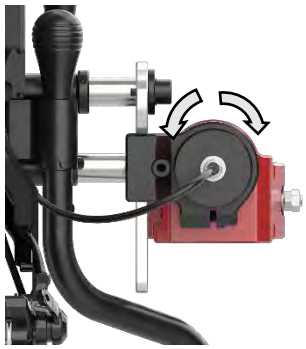


Figure 33. Changing the Frontal angle of the Clamp Jaws

- Setting the depth of the Clamp Jaws to the device. Adjust the Clamp depth (determines distance from device to chair) to ensure space between the User's knees and the Device.

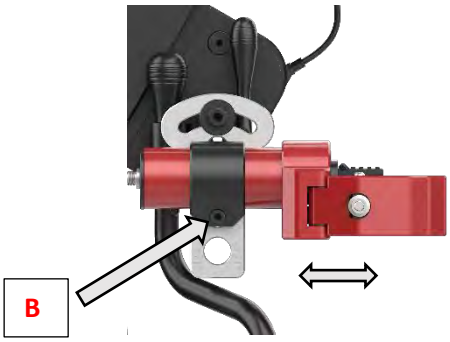


Figure 34. Depth adjustment of the Clamp mechanism in relation to the Device

Attention! The Clamp mechanism and Clamp Receiver must maintain full contact – do not extend the depth beyond what is possible with full contact of the Receiver and Clamp mechanism.

Do this for both sides ensuring that the calibration marks for angle, rotation and depth are approximately the same.

To close the Clamp Jaws firmly, the Device must be powered up.

- Do this by pressing the Battery Power Button until the Power Indicators on the top of the Battery light up.

- Then press the Device Power Button for three seconds to power up the Device.
- Close the Jaws by pressing the Auto Lift Clamp Switch to the right side – indicating jaws closed – until the jaws have closed. Then immediately return to the middle or neutral position on the switch so as not to go to the lifting position.

⚠ **Attention!** If the Auto Lift/Clamp switch stays pressed on the right-hand position for more than seven seconds, it will start to lift the Wheelchair. At this stage of adjustment, do not allow lifting until all adjusting bolts and levers are tightened and closed.

- Check all adjusted angles, widths, and depths to ensure a symmetrical fit, and then tighten all nuts and bolts to the recommended settings.

⚠ **Attention!** The recommended Torque setting of this angle and depth adjustment Bolt B is 25 Nm (Newton Meters). See Figure 34 above.

The Device is now ready to operate.

14. Operating

Description

This section describes the processes for starting up, operating, and shutting down the Device with the Wheelchair.

Battery

- Ensure the Battery is fully charged before a period of extended use.
- Fully charge the Battery after every use – this will extend battery life.
- Remover the dust cover from the Battery Socket and insert the Charger Cable Plug to the socket.
- Observe the colored LEDs on the top of the Battery – red indicates lowest charge range (25% or less); three green bars indicate highest battery range (75% to 100%)
- When charging, the level of charge will be indicated by a flashing LED Bar. When fully charged, the LED will be constant.
- For more detail on the Battery and Charger please see "Appendix 1: Battery and Charger".

Clamping and Lifting

- Make sure the Device is supported by the Supporting Legs.
- Roll the Wheelchair into the Device so that the leg tubes are inside the clamp jaws.
- Insert and Power up the Battery and turn on the Power button on the Handlebars.

To Clamp

- If Manual, close the jaws by pulling on the Clamp Lever.
- If Auto, press the Device Power Button to turn on the Device.
- Press the Auto Clamp/Lift Switch to the right to close the Clamp Jaws.

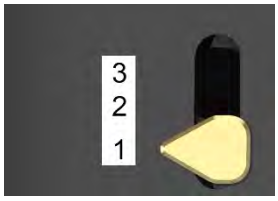
Figure 35. Manual Lift Lever and Auto Clamp/Lift Button

- ⚠ **Attention!** The Clamp and Lift sequence can be paused after clamping by returning the switch to the neutral position.
- ⚠ **Attention!** When the Device is turned on, any actuation of the throttle handle is a command to drive, so pay attention to hand placement with regard to the throttle.

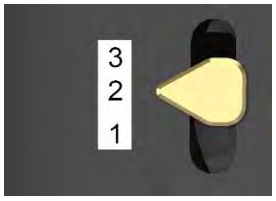
To Lift

- If Manual, press the Lift Lever while simultaneously pushing both handlebar grips forward and leaning back into the seat-back of the Wheelchair.
- If Auto Lift, press the Auto Clamp/Lift Switch. If the set-up is Auto Clamp/Auto Lift, then this will occur automatically in sequence after Clamping – there will be a 7 second delay after clamping.
- Driving Positions for Manual Lift Devices
- Apart from Parking (Position 1 on the Indicator), there are two other driving positions – City and Tour – and these are controlled during the Manual process.
- Touring (Position 2 on the Indicator) is when the handlebars sit the lowest and the wheelbase is longest. This is best for higher speeds, providing greater stability and comfort.
- City (Position 3 on the Indicator) is when the device is closest to vertical or at its tallest position. This means the wheelbase will be the shortest, enabling the greatest maneuverability. This is best for indoors and at low speed where tight corners need to be negotiated.
-

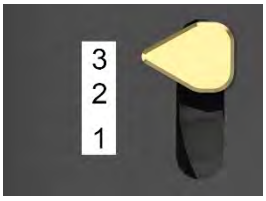
Figure 36. Parking (1), City (3) and Touring (2) positions for Manual Clamp/Lift Devices



Parking Position



Touring Position



City Position

Figure 37. Indicator for Rake Positions for Manual Clamp/Lift Devices

Leg supports

⚠ **Attention -** Never rotate the Supporting Legs forward during use! These should remain in the ready position to support the power add-on when not connected to the Wheelchair. Folding them forward may interfere with the turning ability of the steering column. They may only be folded forward when the power add-on is put into the shipping box or needs to be laid down flat for transporting.

Driving

⚠ **Attention** - There is a programmed 3-second delay during the setup for added safety when turning on the Device. The throttle is inoperative during this delay and the User should not operate the brake handles during the delay as they will affect the “power off” protection which may not activate the automatic release.

- If Manual, press the Power Device to power-up the system.

⚠ **Attention!** Never turn off the Device while driving! This will turn off the electric brake function.

- Select Speed Mode to set the maximum driving speed.

Figure 38. Power Device and Mode Selector Buttons

Mode	0	1	2	3	4	5
Top Speed	0 kmh	10 kmh	15 kmh	20 kmh	25 kmh	28/32* kmh
* for 20" Drive Wheel Models						

⚠ **Attention!** Speed Modes

- Speed modes 1-2 are standard for all products.
- Speed limits are determined according to local traffic regulations. These limits will be programmed at the time of manufacture and will be controlled in steps to reach the maximum permitted speed as determined by the traffic authorities. If a lower limit is required (lower than local regulations permit), this can be programmed by the authorised REHASENSE PAWS representative in the delivery location.
- Rotate the throttle to the desired speed. Hold at this point to maintain the desired speed.
- Releasing the throttle will allow the drive wheel to "freewheel" or coast. Apply the brakes to slow down.

Figure 39. Switches and Indicators (L to R) Direction; Walk; Cruise; Traction

Direction

- Select driving direction using the Direction Switch
- Maximum speed in Reverse is 3 km/h

Walking

- The Walk button will set the speed to a constant 4 km/h on flat terrain only.
- We do not recommend climbing inclines in Walk Mode! Please change to Mode 1 for inclines.
- Walk Mode may be cancelled by switching off at the Walk Switch, applying the driving brakes (or eBrakes), or changing the throttle setting (increase speed).

Cruise Control

- Driving speed can be set without the need to hold the Throttle in position, using the Cruise function.
- Hold the throttle at a steady speed and pressing and hold the Cruise button for 2 seconds.
- The Cruise function can be seen on the display if the Cruise function is on.
- Manual throttle control can now be relaxed, and the Cruise function will maintain the set speed.
- To cancel the Cruise control speed, rotate the throttle or apply the brakes.

⚠ **Attention!** If the brakes are not applied, the Device will continue to coast. There is no automatic braking function.

Traction Control

- The Traction Control function lowers the wheel speed at starting and increases the low RPM torque to minimise wheel spin.
- This function is useful on slippery surfaces or slopes too great for a stationary start.
- Traction Control may be switched off once the Device has traction and begins forward motion.

Driving Brakes

- For Standard control handlebars, driving brakes are applied by pulling the Brake Levers on either side of the Handlebars. Use a single Brake lever for lower speed braking and both levers for medium to higher speed braking.
- For Tetra Handlebar control, driving brakes are activated by rotating the left side Tetra Handle.
- E-Brakes are fitted to all models and will control the driving speed down to 8 km/h, especially useful when going down a slope.

⚠ **Attention!** – E-Brakes are not intended to bring the Device to a full stop as the Device does not have automatic brakes!

Parking Brake

- For Standard Control Handlebars, the Parking Brake is operated by a catch on either brake handle lever. Pull the lever and engage the catch to apply the parking brake with the fore finger. To release, pull on the Brake Lever and release the catch.
- For Tetra Control Handlebars, engage the parking brakes by rotating the left-hand Tetra Handle towards the driver and pressing the red Parking Brake button. This will activate the brake until it is released by rotating the Tetra Brake Handle or pressing the Parking Brake button again.

Safe Driving

- Always wear a crash helmet and a high-visibility vest when using the Device.
- Avoid sudden direction changes and make sharp turns at low speed.
- Be aware of kerbs with significant camber – maintain low speed and turn carefully.
- When ascending a slope, lean forwards to transfer the center of mass to the front for better traction and stability.
- When descending a slope, lean backwards to transfer the center of mass to the rear for better stability.
- If the Wheelchair is parked on a slope, the parking brake must be applied as well as the Wheelchair brakes.
- When re-starting while parked on a slope, simultaneously release the brakes as you gently apply the throttle to prevent rolling backwards.
- Wherever possible, avoid parking on inclines and gradients.
- Use the wheelchair brakes for parking only, not to slow down.
- Take care to control the speed of the Device using the brakes as the device does not have automatic braking function!
- Take extra care when driving up or down slopes and use the brakes whenever you are not using the throttle!

Headlight

- The Headlight is a high-power, multi-function LED light with an ambient light sensor that adjusts light intensity according to conditions.
- High and Low Beam are is indicated by a yellow light for Low Beam and a blue light for High Beam.

- Ensure the headlight is on whenever driving – car drivers may not see a wheelchair driver, and if they do, they will not expect the Wheelchair to be traveling faster than walking speed.

Inclines, climbing ability and obstacles.

- The maximum gradient for climbing is 10%.
- ⚠ **Attention!** If sufficient drive wheel traction cannot be achieved when starting on a slope, moving the upper body forward will bring the center of mass closer to the front which may aid drive wheel traction.
- ⚠ **Attention!** If stopping on an incline, the brake function on the Device drive wheel may be insufficient to hold the Wheelchair, Device, and driver at a stop. Avoid stopping on inclines, or if unavoidable, apply the Wheelchair brakes to secure the Device and Wheelchair in place.
- ⚠ **Attention!** If the User attempts gradients greater than 10 degrees, there is a possibility of losing traction. In such cases, engage the brakes, slowly turn around and go back down the slope.
- Engage obstacles, such as kerbs, front on, or perpendicular to the obstacle, to lower the risk of tipping over.
- Always use a low speed when going over obstacles.

Powering down and disengaging

- To come to a full stop, go to "0" speed mode and engage the Parking Brakes (see "Section 4: General Usage"). Make sure the Supporting Legs are ready for the Park position.
- If Manual, press the Lift Lock Lever while simultaneously pushing back on the Handlebars and the Seat Back. This will release the Lift Lock.
- Gently lower the Device to the Park position. It is now safe to release the Clamp Locks and remove the Device from the Wheelchair.

If Auto, press the Auto Lift and Lock switch to the Unlock position. The Wheelchair and Device will lower and release automatically.

⚠ **Attention!** The program sequence for Auto Lowering and Unclamping takes 17 seconds as follows: Central Actuator lowers the PAWS -> 10-second pause (to allow the User to stop the process at this point and keep the PAWS and Wheelchair connected, if desired) -> Right Clamp releases -> Left Clamp releases.

15. Accessories

Figure 40. Accessories (L to R) Tyre Inflator; Basket; Phone Holder; Aero Battery

Smart Tyre Inflator

A portable USB tyre inflator is used for checking pressure and inflating tyres.

See "Appendix 3: Smart Tyre Inflator" for detailed operation.

Basket

A basket may be attached to the 20" Tourer for carrying of personal items. It is positioned over the front wheel and provides extra traction when carrying additional weight.

Phone Holder

This clamps to the Light Bracket and provides a secure location for mobile phones. It may be adjusted to fit phones from 55 mm -100 mm in width.

⚠ **Attention!** Recharging is possible through the USB socket at the base of the Device Power Button.

Aero Battery

The Aero Battery (Lithium Ion 48V 5.6Ah, 300 Wh, 2.05 kg) has a low power level so it can be carried on passenger planes according to IATA regulations.

16. Appendices

16.1 Appendix 1: Battery and Charger

⚠ **Attention!** Read carefully before charging and operating the first time.

Before starting up the power add-on and before charging the battery pack, read and observe the general information and instructions and the safety instructions and precautions in this User Manual.

Failure to comply with the safety precautions and instructions may result in electric shock, fire, and/or serious injuries to the User, and damage to the product.

The lithium-ion Battery Pack contains chemical substances that may cause hazardous reactions in case of damage. Pay close attention to and always follows the safety instructions specified in this User Manual. We take no responsibility for non-compliance with safety instructions and abuse of the product.

Due to transport regulations, the Battery Pack is only charged to a maximum of 30% on delivery.

Make sure the Battery is fully charged before first use.

Specifications:

- Cells: Panasonic Rated Voltage: 48V
- Rated Capacity: 11.6Ah
- Operating Voltage: 32.5-54.6V
- Standard Charging Current: 2A
- Standard Discharging Current: 7A
- Max Charging Current: 3A
- Max Discharge Current:15A
- Charging temperature range: 10-45 degrees
- Operating Temperature Range: -20-60 degrees
- Storage temperature range: -20-60 degrees
- Humidity: 45-85% RH
- Size of shell： 168mm*72mm*40mm
- Weight: 3.2 kg

Operating – Start up and LED indicators.

The "Wake Up" button and LED display that shows residual battery power is located on the top of Battery Pack.

4 LED lights: there are four lights that indicate differently under two modes:

- In Use Mode

1 LED on: 0% to 25% residual capacity available

2 LEDs on: 26% to 50% residual capacity available

3 LEDs on: 51% to 75% residual capacity available

4 LEDs on: 76% to 100% residual capacity available

Within each range, the brighter the LED, the more residual capacity remains.

- Charging mode

1 LED light flashing: -charged up to 0% - 25%

2 LED light flashing: -charged up to 26% - 50%

3 LED light flashing: -charged up to51% - 75%

4 LED light flashing: -charged up to76% - 100%

Note: The residual capacity of the Battery Pack is indicated in two places: the screen display on the handlebar and LED lights on the Battery Pack.

Inserting the Battery Pack to power add-on

- Place the bottom of the Battery Pack into the battery holder
- Gently move the top of the Battery into the Battery Holder
- Turn the key backward to lock the Battery into the Holder.

Figure 41. Inserting the Battery into the Battery Holder.

Removing the Battery Pack from the power add-on

- Turn the key forward and simultaneously move the Battery top out of the Holder.
- Remove the Battery pack

Figure 42. Removing and replacing the Battery

Switching on/off the Battery pack

- Switch on: press the button briefly to activate
- Switch off: press and hold the button until the light turns off

Note: In the below situations, the Battery will enter Sleep Mode after 30 minutes. Press the button briefly to reactivate.

- Output current less than 1A
- Disconnected with controller signal
- Charging current less than 100mA

:harging the Battery Pack

- The Battery can be charged while in the device or separately.

Removing the Battery to charge is recommended.

- Connect charging plug to Battery pack
- Remove the rubber cover from the Charger Socket
- Align the slot with the marker and insert the Charging Plug into the Charger Socket,
- After charging, disconnect the Charging Plug from the Charger Socket,
- Replace the rubber cover on the Charger Socket.

Figure 43. Battery Charging Connection

⚠ **Attention!** Handling and storing the Battery

- Do not use Batteries or cells not approved by the manufacturer!
- Please read the Battery handling instructions carefully before use. Improper use of the Battery may cause over-heating, rupture, damage or fire.
- Do not expose the Battery to fire or heat; do not store the Battery at higher temperature that specified is this User Manual.
- Do not connect the Battery, Charger or other equipment with reversed positive (+) and negative (-) terminals.
- Do not connect the Battery terminals (+ and -) with any wire or metal (like metal necklaces or hairpins). Otherwise, short-circuit may occur during carrying or storage.
- Protect the Battery against physical damage at all times.
- Do not disassemble or alter the Battery's outside structure in any way.
- Do not expose the Battery to wet conditions or immerse it in water.
- Performance and safety are only ensured with use of the original Charger, in compliance with correct operating procedure, at a voltage and temperature within the specified ranges.

- The Battery should be stored at room temperature at 40% to 60% capacity, and must be charged monthly while in storage.
- Battery performance cannot be guaranteed if left in storage for more than one year.

⚠ **Attention!** Light operation during battery charging.

If the Output Light is not working:

- Check whether there is alternating current
- Check whether the charger is input correctly

If the Output Light (red) is always on, the Battery maybe damaged. Check the battery function.

If the above solutions cannot help in solving the problem, please contact your local Distributor to rectify.

Note: Do not make technical modifications to the charger. It is a high-voltage device and tampering could result in high-voltage shock and injury!

For any problems or questions, please contact your local Distributor immediately!

16.2 Appendix 2: Headlight

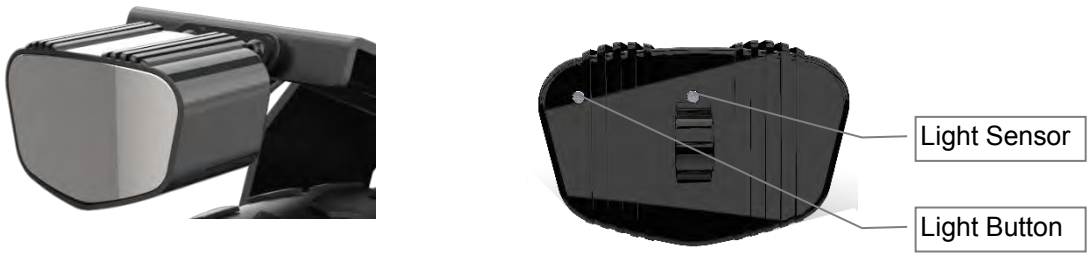


Figure 44. Headlight

Description

The Headlight utilizes low energy LED's and a light sensor to provide optimal lighting under different conditions. It may be operated manually or left in "Auto" mode.

There are three Day modes: High Beam, Daylight, Low Beam.

There are two Night modes: High Beam and Low Beam.

The Headlight automatically senses ambient light intensity and change the light mode accordingly.

Manually press to change modes.

Specifications

Bike Light Certificate: ECE R113

Intensity (Lux/Lumens)

- High Beam: 385LUX/1900LM
- Low Beam: 100LUX/540LM

Power

- High Beam: 40W
- Low Beam: 9W

- Working Voltage: 12V to 55V

Visible Distance: 1200M

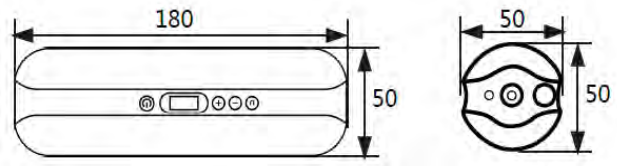
Waterproof Level: IPX4

Detailed Instructions

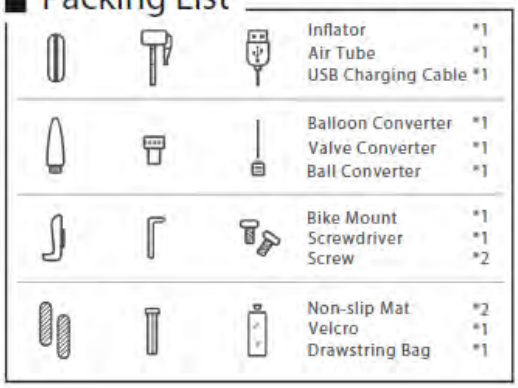
- In Low Light mode, the middle three LEDs light up
- When in High Beam mode, the middle three LEDs and the left and right three LEDs will all be on, and the nine main LEDs will all be on. At this time, the blue high beam indicator will also be on.
- In the daytime Running Light mode, 40 x 3mm LEDs will be on.
- Equipped with a light-sensitive switch to distinguish between day and night light levels.
- Switches control the three modes of Low Beam, High Beam and Daytime Driving Light. If you turn on the Daytime Driving Light when passing through darkened areas (such as tunnels), the lamp will automatically switch to Low Beam.
- Press the Control button to manually switch functions: - Low Beam to High Beam to Daytime Driving.
- Hold for 2 seconds to power the Light on and off.

16.3 Appendix 3: Smart Tyre Inflator

The Smart Tyre Inflator has a built-in rechargeable battery that drives a mini compressor used for inflating tyres. Apart from automatically sensing the User-set pressure limits, the Smart Tyre Inflator Device can provide power for external devices and has its own light function.



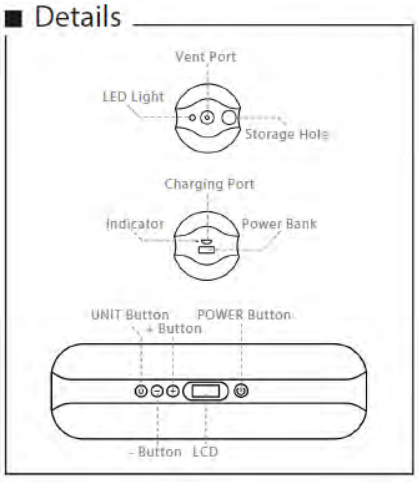
Packing List



About Button

	⏻	⏻	⊕	⊖
Press	Start / Stop inflating	Choose unit	Increase pressure	Reduce pressure
Long press	Turn on / off power	Turn on / off lighting	(Screen is on) Quick increase — (Screen is off) Turn on / off power bank	Quick reduce

Details



Specification

Size	50mm×50mm×180mm
Weight	336g
Battery	500mAh 12.8V
Work current	1-5A
Charging mode	Micro-USB
Charging time	2.5 hours
Max inflating pressure	150PSI & 10.3BAR 990KPA & 10.5kgf/cm²
Operation temperature	-10℃ ~ +60℃

Instructions.

1. Connect one end of the air tube to the Inflator, and the other end to the tyre valve. (For the French valve, please install the valve converter first)
2. Long press the POWER Button to turn on the power. The LCD will display the current pressure.
3. Pressing the UNIT button can switch the units (PSI\BAR\KPA/kg. /cm2). (Recommended pressure range can generally be found on the tyre)
4. The + Button and - Button are preset buttons for adjusting the target pressures. Long press either button to rapidly adjust tyre pressure. (If you skip Step 4, the target pressure will remain at the previously set value.)
5. Press the POWER button to start inflating. Press again to pause/continue. The Inflator will stop automatically when it reaches the target pressure.
6. Quickly remove the air tube from the tyre to prevent air leaks.
7. The inflator will not work when the target pressure you set is lower than the current tyre pressure.

About Lighting

1. Long press the unit button to turn on/off the LED light. The LED light can be used for lighting.

About Power Bank

1. Long press the + button, to turn on/off the Power Bank.

2. Power Bank will turn of automatically after 60 minutes.

3. When the power is turned on, the Power Bank will be turn off automatically.

4. Supports Android and iOS devices.

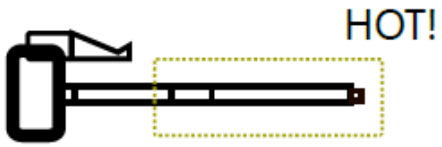
About Charging

1. Charge the Inflator before first use or after an extended period without use.

2. The Charging Indicator will turn red during charging and green when the Battery is fully charged.

Safety

1. The Inflator becomes hot after working more than 1 min. Do not touch the hot area of the air tube.



2. Please check the Inflator before inflating. If you find any operational abnormalities, discontinue use.

3. If you hear any abnormal sound or sense excessive temperature during inflation, stop the Inflator immediately.

4. Please ensure the smooth flow of air during inflating.

5. The compressor within the inflator may produce electrical sparks during operation. Please keep it away from flammable and explosive materials.

6. To avoid accidents, do not leave the Inflator unattended during operation.

7. After long periods of use, both the Inflator and Air Tube will be hot. Please allow time for cooling before continuing use.

8. Please keep the Inflator free of dust, moisture and impact, and avoid dropping.

9. Do not clean the Inflator with harsh chemicals, cleaning agents, detergents and other chemicals.

10. Store the Inflator in an environment free of heat, cold and humidity.

11. If not using the Inflator for long periods, ensure it is charged every six months.

12. The Air Tube can be stored in the storage hole.

13. Please keep the Inflator away from children.

14. Do not direct air from the Inflator into the mouth, ears, eyes, etc. of persons or animals.

15. Inflating is not recommended during the charging process.

16. The battery charge indicator level displayed on the LCD is not 100% accurate. It is for reference purposes only.

17. Contact details of the distributor.

In case of technical questions, contact your local Distributor.

Distributor:

Aidacare Healthcare Equipment

3A/1 Moorebank Ave

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T – 1300 216 898

E – online@aidacare.com.au