

## WHEELTECH POWERSTROLL

### OWNERS HANDBOOK



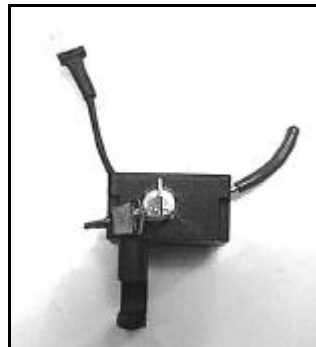
### 1. CONTENTS

1. Contents
2. Introduction
3. Parts Description
4. Safety Procedures
5. Installation Instructions
6. Disassembly and Transportation
7. Battery Charging and Care
8. Operating the PowerStroll
9. Troubleshooting
10. Specification
11. Warranty

### 2. INTRODUCTION

- The PowerStroll is designed as an aid to a wheelchair attendant providing power to aid pushing in otherwise strenuous situations such as up steep hills, etc.
- The PowerStroll is designed to work in conjunction with most wheelchairs with seat widths between 14" and 20" (350mm – 500mm)
- The PowerStroll is to be used by an attendant with a manual wheelchair and user up to a combined weight of 21 stone (135kg).
- The PowerStroll uses a 12V 18ah battery as supplied, and has a range of up to ten miles between charges.

### 3. PARTS DESCRIPTION



*Top left to right:  
PowerStroll unit  
Hand controller  
Strap*

*Bottom left to right:  
Wheelchair brackets  
Charger*

## 4. SAFETY PROCEDURES

- The PowerStroll must not be used by the wheelchair user under any circumstances.
- Ensure the PowerStroll is installed as far to the rear of the wheelchair as is comfortable for the attendant
- Operate the PowerStroll at a speed that is both comfortable for the operator and wheelchair user.
- Do not reverse the wheelchair unless the PowerStroll is strapped up so it is lifted off the ground.
- When connecting / disconnection the battery from the motor or the charger make sure both the power to the charger and PowerStroll handcontroller are switched off.
- Ensure the PowerStroll is secured when in transit.
- Ensure that the battery is charged only with the battery charger supplied with the PowerStroll. Using another battery charger may cause damage or injury.
- Be careful when installing the telescopic tubes. These are spring loaded and may cause damage or injury if caution is not taken when installing or removing these.

## 5. INSTALLATION INSTRUCTIONS

1. The following parts are supplied: PowerStroll unit, handcontroller, keys (pair), telescopic tubing, wheelchair brackets (pair), charger and lead, and owners handbook.
2. Remove all the PowerStroll components from the packaging. Ensure the handcontroller is switched off. To switch off the handcontroller, turn the key anticlockwise and remove the key.
3. Attach the brackets to either side of the wheelchair so that the PowerStroll is as far to the rear of the wheelchair as possible without causing discomfort to the person pushing the wheelchair. Secure the brackets by tightening the allen screws using a 4mm allen key.
4. Unscrew the quick release handle from the PowerStroll unit and slide in the telescopic tubing. Then attach the telescopic tubes to the brackets installed on the wheelchair. The tubing is spring-loaded to assist with the installation. Ensure that the smaller diameter tube attaches to the bracket with the smaller diameter bar.
5. Extend the length of the telescopic tubes as far as the wheelchair permits and then tighten the quick release handle. Position the PowerStroll unit so that it is comfortable for the PowerStroll operator and tighten the quick release handle on the PowerStroll unit. The tubes are spring loaded to assist with installation.
6. Unscrew the cap head screw from the hand controller and install the hand controller at the desired position on the wheelchair push handle. Secure the hand controller by screwing the cap head screw until the screw is tight and the controller is secure. A screw with longer thread is included for use on wheelchairs with larger diameter tubing.

## 6. DISASSEMBLY AND TRANSPORTATION

- The PowerStroll comes with a holdall to carry it when not in use. To disassemble to PowerStroll, first loosen the quick release handles and remove the telescopic tubes from the wheelchair brackets. Then remove the tubes from the PowerStroll. The PowerStroll can then be lifted using the handle on the unit.
- The battery also comes in a handy bag which can also be removed to reduce the carry weight of the unit. First disconnect the battery as described in the next section. Then pull the handle on the battery bag to remove. The battery bag is held on the PowerStroll with Velcro.
- The battery supplied with the PowerStroll (GS Portalac) is classified as safe for air travel by compliance with IATA special provision A67.

## 7. BATTERY CHARGING AND CARE

To ensure optimum performance and reliability the battery should be charged after every use of the PowerStroll. The battery should also be charged periodically (e.g. fortnightly) when the PowerStroll is not in use.

1. Disconnect the battery from the motor by unplugging the 3-pin round plug on the cable running between the battery and PowerStroll
2. Charge the battery by connecting the battery to the charger with the 3pin round plug and switch the charger on at the mains. A red LED will illuminate on the charger to indicate is powered by the mains.
3. Ensure the battery is fully charged. An LED will illuminate on the charger. The LED lights orange when charging and green when fully charged. If the LED is lit green then the battery is charging in trickle mode.
4. Ensure the battery is charged for at least 12 hours to allow the battery to trickle charge the battery. Trickle charging the battery maintains and can even improve battery performance.
5. Disconnect the battery from the charger, then reconnect the battery to the motor.

## 8. OPERATING THE POWERSTROLL

1. Ensure that the battery is connected to the motor, and that the battery has sufficient charge for your journey.
2. Ensure that the wheelchair user is sat in the wheelchair before use.
3. Insert the key in to the hand controller if necessary. Turn the PowerStroll on standby mode by turning the key clockwise on the hand controller.
4. To the make the wheelchair move, operate the lever on the hand controller.
5. Regulate the speed of the wheelchair by varying the lever (trigger) position of the hand controller.
6. The top speed of the PowerStroll can be varied by turning the speed dial on the hand controller (only available on variable speed version of the hand controller)
7. To make pushing the wheelchair easier when the PowerStroll is not in use, strap up the PowerStroll using the strap include so that the wheel is not in contact with the ground.

## 9. TROUBLESHOOTING

<i>Symptom</i>	<i>Possible Remedies</i>
Wheelchair does not move when lever is pressed.	<ul style="list-style-type: none"><li>• Check the PowerStroll is switched on.</li><li>• Check the battery is fully charged up.</li><li>• Check the connection between the battery and motor is correct.</li><li>• Check the wheelchair brakes are not applied.</li><li>• Check the PowerStroll is not strapped up.</li></ul>
Wheelchair is difficult to push manually	<ul style="list-style-type: none"><li>• Strap up the PowerStroll.</li></ul>
The PowerStroll is too fast / slow	<ul style="list-style-type: none"><li>• Try varying the speed of the PowerStroll with the lever.</li></ul>

## 10. SPECIFICATION

*Unit Dimensions:* 25cm (W) x 33cm (D) x 26cm (H) / 10" (W) x 13" (D) x 10¼" (H)

*Weight:* 16.5kg (36.3lb) Total  
6.4kg (14.1lb) Base only  
6.3kg (13.9lb) Battery pack

*Motor:* 180W 12V D.C. (170 RPM)

*Battery:* 12V 18ah VRLA

*Charger:* 12V 3A output

*Manufacturer:* Medicare Technology Ltd,  
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West Yorkshire, United Kingdom HD6 1PT.  
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## 11. WARRANTY

To improve the safety and lifespan of your PowerStroll, it is recommended that you have it serviced on a regular basis. Recommended Service Schedules for PowerStrolls are available to service agents.

There is a comprehensive twelve-month warranty from the date on which your new PowerStroll is delivered. The warranty covers the PowerStroll for repairs or replacement during this period. For more detail, please see the warranty conditions overleaf:

1. Any work or replacement part installation must be carried out by an authorised Medicare Technology dealer / service agent.
2. To apply the warranty should your PowerStroll require attention please contact the outlet from which you purchased the PowerStroll.
3. Should any part of the PowerStroll require repair or full or part replacement, as a result of a manufacturing or material defect within the warranty period, parts will be supplied free of charge. Note: The guarantee is not transferable.
4. Any repaired or replaced parts will be covered by the balance of the warranty period on the PowerStroll.
5. Parts replaced after the original warranty has expired will be covered by a three-month warranty.
6. Consumable items supplied will not generally be covered during the normal warranty period unless such items require repair or replacement

clearly as a direct result of a manufacturing or material defect. Such items include (among others): upholstery and tyres.

7. The above warranty conditions apply to a brand new PowerStroll. Second-hand PowerStroll supplied directly by Medicare Technology carry a six-month warranty period. If you are unsure whether your PowerStroll is covered contact your dealer.
8. Under normal circumstances, no responsibility will be accepted where the PowerStroll has required assistance as a direct result of:
  - a. the PowerStroll part not having been maintained in accordance with the manufacturers recommendations
  - b. failure to use the manufacturer's specified parts
  - c. the PowerStroll or part having been damaged due to neglect, accident or improper use
  - d. the PowerStroll or part having been altered from the manufacturer's specification or repairs having been attempted before the dealer is notified

In the event of your PowerStroll requiring attention, please contact your service agent / dealer and give all relevant details so they can act quickly.

The manufacturer reserves the right to alter without notice any weights, measurements or other technical data shown in this manual. All figures, measurements and capacities shown in this manual are approximate and do not constitute specifications.