

Warranty Information

Days Healthcare *Whirl* manual wheelchairs are warranted for 24 months from the date of purchase on frame and crossbars.

- During the warranty period any parts that have become defective due to faulty workmanship or material will be repaired or replaced without charge by Days Healthcare supplier/dealer
- The warranty excludes tyres, punctures and items that become worn due to normal wear and tear such as upholstery and armrest pads
- The warranty excludes all items that have been subject to undue wear and tear and misuse
- Unauthorised changes or modifications will forfeit your warranty
- If a defect or fault is discovered, the Days Healthcare supplier/dealer from whom the Wheelchair was purchased should be notified immediately
- The maximum user weight is 115 kg (18 stone)

Limitation of liability

The warranty does not extend to the consequential costs resulting from fault clearance, in particular freight and travel costs, loss of earnings, expenses, etc.

The manufacturer will not accept responsibility for any damage or injury caused by misuse or non-observance of the instructions set out in this user manual.

Dealer Stamp



Whirl



Days Healthcare Ltd • North Rd • Bridgend Industrial Estate • Bridgend • CF31 3TP
Tel: +44 (0) 1656 664700 • Fax: +44 (0) 1656 664750 • Email: info@dayshealthcare.com

www.dayshealthcare.com

Whirl ^{TR}

Whirl ^{SP}

Manual Wheelchair



Technical Specifications

Basis Material	Steel frame with single hole for 12" wheel only Steel cross brace Composite cross brace link Steel backrest post
	Transit
Seat Parameters	
Seat height - front (from ground w/o cushion)	500±5mm
Seat height - rear (from ground w/o cushion)	475±5mm
Seat Width <on outside of tubes>	380, 410, 430, 450mm (same cross brace link) 480mm
Seat Depth	430mm
Seat angle	3~4 deg
Backrest Height (from seat w/o cushion)	440mm
Angle fix backrest	Folding back, 90 deg. seatplan, lumbar 8 deg. @ halfway Detachable, fixed by handwheel
Legrest	Swing out , removable
Footrest angle	65 deg.
Foot plate	380,410 440,450, 480
Leg adjustment	420~500mm
Footplate	Composite, fixed
Overall Dimensions	
overall length	1110mm max
overall width	600mm max
User weight	115kg
Armrest	Detachable, Bio compatibility test comply PU
Armrest ht. (from seat w/o cushion)	220mm
Foam pad length	200mm
Foam pad width	TBD
Front castor wheel size & type	8x1
Front castor wheel	PA ring, TPR tyre
Rear wheel size & type	12" x 2" , Flat free, PU
Rear wheel axle	Fixed
Rear wheel frame mounting	Steel sleeve welded on frame
Seat upholstery	380, 410, 430, 450, 480mm

Technical Specifications

Basis Material	Steel side frame with single hole for 24" wheel only Steel cross brace Composite cross brace link Steel backrest post
	Self Propel
Seat Parameters	
Seat height - front (from ground w/o cushion)	500±5mm
Seat height - rear (from ground w/o cushion)	475±5mm
Seat Width <on outside of tubes>	380, 410, 430, 450mm (same cross brace link) 480mm
Seat Depth	430mm
Seat angle	3~4 deg
Backrest Height (from seat w/o cushion)	440mm
Angle fix backrest	Folding back, 90 deg. seatplan, lumbal 8 deg. @ halfway Detachable, fixed by handwheel
Legrest	Swing out , removable
Footrest angle	65 deg.
Foot plate	380,410 440,450, 480
Leg adjustment	420~500mm
Footplate	Composite, fixed
Overall Dimensions	
overall length	1150 max
overall width	640mm max
User weight	115kg
Armrest	Detachable, Bio compatibility test comply PU
Armrest ht. (from seat w/o cushion)	220mm
Foam pad length	200mm
Foam pad width	TBD
Front castor wheel size & type	8x1
Front castor wheel	PA ring, TPR tyre
Rear wheel size & type	24" x 1 3/8" Flat free, PU
Rear wheel axle	QR as std
Rear wheel frame mounting	Steel sleeve welded on frame
Seat upholstery	380, 410, 430, 450, 480mm

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Introduction

Welcome to the Days Healthcare **Whirl** manual wheelchair and thank you for choosing our product. This latest model has been designed with specific practical user needs in mind. It combines solid, rugged construction, safety and performance. We are confident that it will prove a reliable companion in your home as well as outdoors.

This manual contains some useful tips and information on safety, operation and maintenance. Please read it carefully to ensure that you get maximum enjoyment and benefit from your new independence and mobility.

Whenever you require special advice and attention do not hesitate to contact your local Days Healthcare dealer. He has all the equipment and know-how to provide an expert service and assistance on technical and clinical applications to suit your particular need.

Intended Use

The **Whirl** manual wheelchairs are intended to assist and improve mobility for those individuals who are less able or have walking difficulties who wish to maintain their independence and freedom.

Your day to day activities will depend on your physical capabilities and your own specific circumstances. If in doubt seek medical advice first.

The information in this booklet provides a general guide on how to use your chair safely and correctly. Do not use the chair without reading this manual first.

Technical Description

The Days Healthcare **Whirl** manual wheelchair has a maximum carrying capacity of 115 kg (18 stone) which must never be exceeded.

It is classified as an 'Invalid Carriage' for use indoors, on pavements, footpaths, pedestrian zones and areas free from motor traffic. Use on the road or highway is not allowed except for the purpose of crossing.

Maintenance & Inspection

We recommend that your wheelchair is serviced by your local dealer every twelve months. It is in your best interests, not only to ensure your personal safety but also to ensure long life and reliability. Regular service will identify early damage and worn components avoiding unnecessary faults occurring.

Weekly check that:

- Manual brakes do not rub the tyres and secure the wheel when locked
- Castor bolts are tight and all fasteners are secure
- Arms operate and lock securely in front of rear sockets
- The drive wheels axles are secure and there is no excessive side movement or binding when spun
- Tyres do not show excessive wear or damage
- Castors for proper tension, i.e. spinning castors should come to gradual stop

Monthly check that:

- Tyres are not excessively worn
- Handrims do not have sharp edges or any abrasion
- The chair rolls straight (no excessive drag or pull to one side)
- Pivot points are free of wear or looseness
- Seat and backrest upholstery is not for ripped or sagging
- Frames are not worn or bent

Cleaning

Paintwork and plastic mouldings can be cleaned with a damp soft cloth of warm soapy water. Do not use any harsh abrasive cleaners, bleach base fluids or solvents.

Seat and back upholstery can be cleaned with a general purpose upholstery cleaner or sponged with warm soapy water.

Transportation

We recommend that you do not sit on your Wheelchair when in a vehicle, but transfer to a vehicle seat. A Wheelchair secured in a vehicle will not provide the equivalent safety level and security as the vehicle's seating systems.

However, when transfer is not practical or impossible, ensure the following:

- 1) Check that the vehicle is suitably designed, insured and equipped to transport a passenger seated in a Wheelchair
- 2) Remove any part of the Wheelchair (accessories, etc.) that can be easily detached and store it in the vehicle's luggage hold
- 3) Make sure the Wheelchair is transported in a forward facing direction. Rearward facing is only acceptable if the passenger's head and back can be supported by a suitable bulkhead
- 4) Use the buckle seat belt (if fitted) with your chair as additional restraint



We recommend that the wheelchair is secured within the vehicle using the 4-point webbing tie-down system with Karibiner, model no WWR/ATF/K/R (available from Unwin Safety Systems based in Yeovil, U.K.)

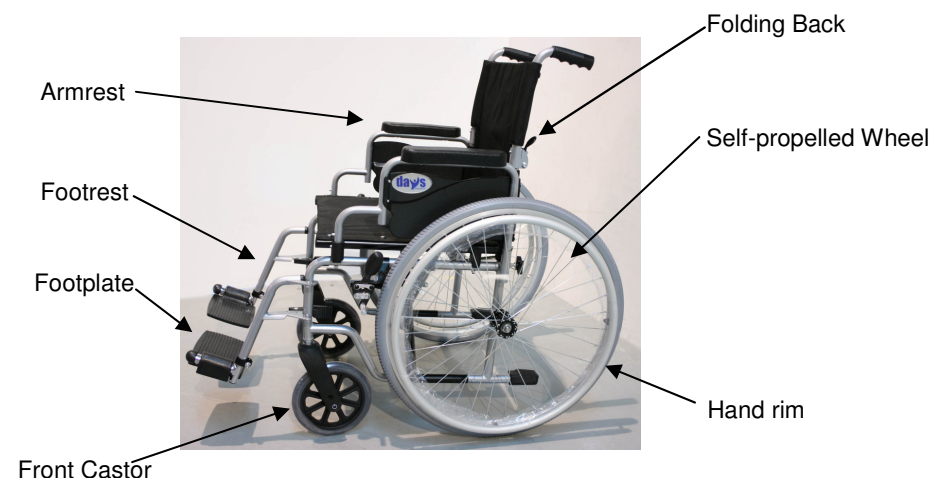
Note: Although safety during transportation largely depends upon the diligence of the person securing the tie-downs and passenger restraints it is the user's responsibility to ensure that the wheelchair has been safely secured.

Feature Guide

Whirl TR



Whirl SP



Safety Guidelines

- ➔ Do not use on the road, except when crossing between pavements. When crossing the carriageway of a public road always take extra care and observe the Highway code
- ➔ Do not ride over deep, soft terrain (soft dirt, loose gravel, deep grass)
- ➔ Do not attempt to mount a kerb without assistance
- ➔ Do not carry passengers
- ➔ We recommend that you do not sit on your wheelchair when in a vehicle, but transfer to a vehicle seat
- ➔ Always engage a slow speed when going down gradients
- ➔ Do not ride in reverse down a slope or kerb
- ➔ Always keep your feet on the footplate when moving
- ➔ Do not stand on the footplate when getting in or out of the chair
- ➔ We recommend the use of safety belt
- ➔ Always keep your pneumatic tyres to the correct pressures
- ➔ Do not use parts, accessories or adapters other than those authorised by Days Healthcare Ltd
- ➔ Keep the wheelchair away from children. It is not intended to be used as a toy
- ➔ The manual parking brakes are not designed for slowing-down

Rear Wheel Setup

Anti-tippers can be retro fitted as an option if required by the user.

Transferring to and from the Chair

Circumstances and individual needs will vary from person to person, but if there are difficulties we advise you to consult your therapeutic advisor who will help you to develop your skill for appropriate transfer method that suits you.

During transfer always make sure that the brakes are in a locked position and the wheelchair is manoeuvred as close as possible to the transfer seat

Tyres

Regularly check the condition of front & rear tyres for wear and tear. Contact your supplier for replacements.

If you have pneumatic tyres fitted, the pressure indicated on the side of the tyre wall should not be exceeded.

Slopes and Gradients

Do not attempt to climb or descend beyond your limitations to avoid tipping over.

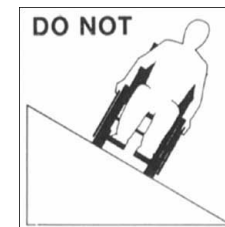
Climbing Upwards

Lean the upper body forward and move the wheelchair forwards with short quick pushes on the Handrims.

Downward Travel

Lean backwards in the chair and let the handrim slide gently through your hands to control downward speed and direction.

Note: - When travelling down or up a slope, avoid sharp turns, zigzag movements or moving across the slope

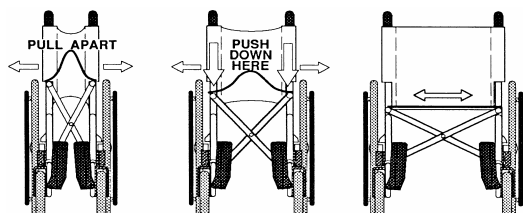


Unfolding the Chair

When both wheels have been secured, grasp both side frames of the wheelchair and pull apart as far as possible or at least until there is sufficient room to push down on the sides of the seat canvas.

The chair is fully open when the seat canvas is taut and flat.

Place the seat cushion on top of the canvas with the angled edge towards the front of the chair. Note that Velcro holds this in place.



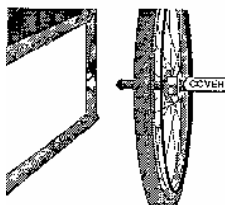
Removal of Rear Wheels (Self-propelled Model)

The rear wheels are removed by depressing the pin at the centre of the wheel hub and withdrawing the wheel.

Fitting Rear Wheels (Self-propelled Model)

The **Whirl** wheelchair SP is fitted with quick release rear wheels. It is important to ensure that wheels are correctly fitted to avoid accidents.

To fit rear wheels depress rubber cover at the centre of the wheel hub and push the wheel spindle firmly into the axle bush, ensuring that both ball bearings are fully exposed beyond the axle bush.



Once located, test the wheel for security by pulling the wheel firmly in an attempt to remove it without depressing the rubber cover.

Basic Propulsion

To move forwards or backwards, the user should release the brakes, grasp the handrim (attached to rear wheels) and with a pushing action rotate them forwards or pull them backwards respectively.

To move to the right, hold the right handrim steady and push forward with the left handrim. To move to the left, hold the left handrim steady and push forward the right handrim.

Safe Operation

When using indoors beware of narrow doors, steps, high surfaces, protruding wall fittings and everyday household items such as children's toys, electrical appliances etc. Take extra care in kitchen environments.

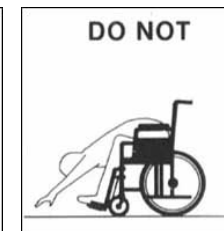
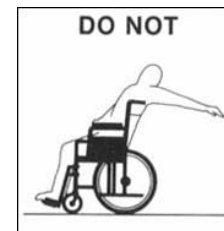
To ensure stability and safe control you must maintain proper balance at all times. The wheelchair is designed to remain stable during normal use as long as you do not move your centre of gravity outside the normal seating position.

When reaching/bending forward do not lean your body out of the wheelchair further than the length of the armrests. Do not attempt to reach objects by sliding forwards to the edge of the seat.

When reaching/bending backwards do not reach any further than your arm will extend without changing your seating position.

Never attempt to use an escalator or stairway, always use a lift.

Occasionally check that the adjustments of the footrests, armrests and controller are secure and are set in the most comfortable position for use.



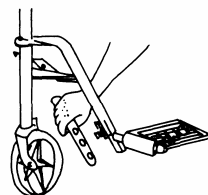
Adjustment Procedures

Swing-away Footrest

Length Adjustment

Adjustments are made with the user sitting in the wheelchair with feet on footplates.

- 1) Use a spanner to loosen the bolt at the rear of the footrest support hanger.
- 2) Adjust the footplate up or down as needed to provide maximum support of thighs on the seat upholstery, then re-tighten the bolt.



WARNING!

Ensure that desired front rigging adjustment does not cause pressure to legs at front of seat upholstery.

Heel and Calf Straps (if fitted)

Your wheelchair is equipped with heel straps which are secured on the footplates or calf straps which are attached on the footrest support tubes. The calf straps are tension adjustable with the aid of Velcro.

Seat Belt (if fitted)

Hold the bayonet end in one hand, and pull on the webbing to increase or decrease belt length with the other. When length is correct, adjust slide buckle to suit.

Anti-tippers (if fitted)

These are fitted at the rear of the chair, adjacent to the rear wheels and Days recommends that these are fitted, especially when climbing kerbs and gradients.

Operations of Use

Footrests

Your footrests are capable of being rotating outwards. To achieve this pull the release lever towards you and rotate footrest in the required direction. Lift-off from the two pivot points to remove.

Armrests (Detachable type)

Both armrests are removable. To operate, push the release lever in to unclip and lift arm out of front socket and rear sockets.

Manual Brake

This is a parking brake which is applied manually to the tyres when the chair is parked or stationary. To apply the brake, push the lever forwards until the shoe is locked in place. Pull backwards to release.

Folding Back

This is available to reduce the overall height of the chair. Whilst at the rear of the chair, grip the small lever and push down to release pin allowing the handle section to be folded.

Folding the Chair

Remove the seat cushion. The wheelchair is folded by grasping the seat canvas at the front centre with one hand and at the rear with the other. A simple lifting action will draw both sides of the chair together into the folded position.

