

# Eclipse



Owners Manual



# 1 Eclipse Wheelchair Owners Manual

Thank you for choosing a Magic Mobility Product. We are proud of the quality construction of every chair we build. This owner's manual explains the operation of your new chair. Please read it carefully as it contains important safety, care and maintenance information.

Magic Mobility's Eclipse Wheelchair series may be custom made to measure and may vary in detail from chair to chair however they should all comply to the enclosed basic specifications.

As a manufacturer of wheelchairs, Magic Mobility endeavours to supply a wide variety of features and options to meet the needs of the user. However, final selection and specifications of the type of wheelchair to be used by any individual rests solely with the user and his/her healthcare professional capable of making such a selection.

All of the information and specifications in this document are current at the time of printing. However due to our policy of continual product improvements we reserve the right to make changes at any time without notice. This may lead to slight variations between the illustrations and explanations in this manual and the model you have purchased.

## 1.1 Intended Use



The intended use of Magic Mobility's Eclipse Wheelchair is to provide mobility to persons with a maximum weight of 80kgs limited to a sitting position.

If you experience any problems with your wheelchair that you are unable to solve, or if you do not feel capable of safely following any of the instructions and/or recommendations as contained in this manual, please contact your Magic Mobility dealer. You will find the model designation and serial number of the wheelchair on the base of the frame.

Magic Mobility is not liable for damage to property or personal injury arising out of unsafe use of a wheelchair. Magic Mobility is also not liable for any property damage or personal injury arising out of the failure of any person and/or user to following the instructions and recommendations set forth in this manual.

## 2 Safety and Damage Warnings

Throughout this manual, you will find the following safety and damage warnings.

	WARNING! This is a warning which, if ignored, may cause injury to yourself and other people
	STOP! This is an instruction that, if not followed, may result in damage to your Wheelchair. It means 'do not do this' or 'do not let this happen'.

## 3 Safety

Please read and follow all instructions in this owner's manual before attempting to operate your wheelchair for the first time. If there is anything in this manual you do not understand, or if you require additional assistance, contact your Magic Mobility Dealer before operating the wheelchair.



The contents of this manual are based on the expectation that a qualified healthcare professional has properly fitted the wheelchair to the user and the prescribing healthcare professional has trained the user in the operation of the wheelchair, the dangers that can be encountered and assured themselves that the user is capable of this.

Using your Magic Mobility product safely also depends upon your own good judgement and/or common sense, as well as that of your provider, caregiver, and/or health professional. Magic Mobility is not responsible for injuries and/or damage resulting from any person's failure to follow the warnings, cautions and instructions in this owner's manual.

### 3.1 Transfers

It is recommended that you have a trained attendant present if you transfer yourself. To reduce the chance of injury, we recommend:


- Be sure the manual brakes have been applied
- Ensure armrests and footrests are swung away or removed
- Position yourself as far back as possible in the wheelchair seat to prevent the wheelchair from tipping forward.

	WARNING! Avoid putting all your weight on either armrests or footrests. This may cause the wheelchair to tip and cause injury
	STOP! Avoid putting all your weight on either armrests or footrests. This may damage their supports.

### 3.2 Motor Vehicle Transport



Wheelchair positioning belts were not designed with the intent of providing proper restraint during motor vehicle transportation.

The Department of Transportation has not approved any tie-down systems with specific wheelchairs for transportation of a user while in a wheelchair, in a moving vehicle of any type. It is Magic Mobility's position that wheelchair users are NEVER transported in vehicles of any kind while in wheelchairs.

	WARNING! Wheelchair users should be transferred into appropriate seating in vehicles for transportation and use be made of the restraints made available by the auto industry
--	---

### 3.3 Weight Limitations

Your wheelchair is rated for a maximum weight capacity of 80kg. Do not carry passengers or heavy weights on any part of the wheelchair.



	WARNING! Exceeding the weight capacity voids your warranty and may result in personal injury.
	STOP! Exceeding the weight capacity voids your warranty and may result in damage to your wheelchair.

### 3.4 Anti Tip Wheels



Anti-tip wheels when fitted to any Magic Mobility wheelchair decrease the chances of the wheelchair being able to tip rearward when the chair is inclined past it's safe angle of operation. They do not provide a guarantee that the wheelchair will not and can not be tipped in a rearward or any other direction. Anti-tip wheels do not during normal operation make regular contact with the ground. If this is not the case please carefully consider the environment that the wheelchair is being used in, as it may be too severe for the safe operation of the wheelchair. Consultation with your dealer or prescribing health professional under such a circumstances may provide solutions to problems like this.

The effectiveness of the anti- tip wheel is limited by the surface on which they are expected to work upon, the softer the surface the less effective they will be. The establishment and adherence to a range of limits for both yourself and the wheelchair whilst under strict supervision will ensure long term safety and maximum function and enjoyment from your Magic Mobility wheelchair.

### 3.5 Stairs and Escalators

	WARNING! Never use your wheelchair to negotiate stairs or escalators. Always use an elevator or lift. You may cause injury to yourself and to others
	STOP! Trying to negotiate stairs or escalators may result in damage to your wheelchair


### 3.6 Removable Parts

	WARNING! Do not attempt to lift or move a wheelchair by any of its removable parts. This may result in personal injury.
	STOP! Do not attempt to lift or move a wheelchair by any of its removable parts. This may cause damage to the chair.


### 3.7 Positioning Belts

Do not sit on your wheelchair while it is in a moving vehicle refer to section 3.2 Motor Vehicle Transport.

It is the obligation of the purchasers, therapists and other healthcare professionals to determine if a positioning belt is required to ensure the safe operation of this equipment by the user.

	WARNING! Ensure your positioning belt is fastened securely. Serious personal injury may result if you fall from the wheelchair
--	--

### 3.8 Reaching and Bending

	WARNING! Do not bend, lean, or reach for objects, if you have to pick them up from the floor we suggest you use a specially designed "Pick Up Stick". Movements such as these may cause your wheelchair to tip, possibly resulting in personal injury.
---	--

## 4 Specifications

### 4.1 The Eclipse

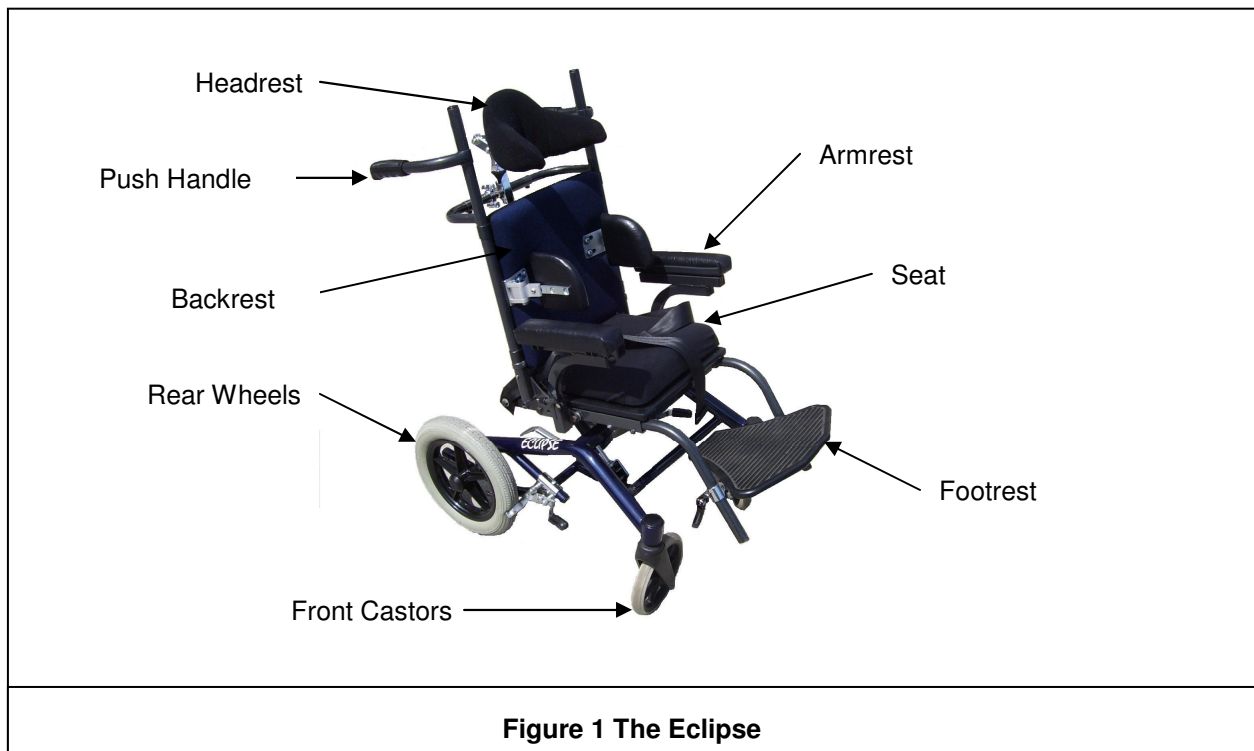
An Eclipse wheelchair is depicted in figure 1. This figure will help you identify some of the features referred to throughout this manual.

### 4.2 Features and Options

Every individual has different requirements and at Magic Mobility we pride ourselves on being able to meet the needs of most people. Many aspects of the wheelchair are customisable including, but not limited to seats, armrests, headrests and leg rests. Please contact your Magic Mobility Dealer to discuss any additional requirements, including advice on how to operate these features.

### 4.3 Performance Attributes

Information regarding the performance attributes and controlled testing results of the wheelchair may be obtained from the wheelchair manufacturer. If you would like access to this information, please contact your Magic Mobility Dealer.



**Figure 1 The Eclipse**

## 5 Operating Instructions

### 5.1 Comfort adjustments

If your wheelchair was configured at your Magic Mobility Dealer, please consult your health care professional before changing the seat position or making any other adjustment. Some adjustments may degrade your wheelchair's performance and safety by changing its centre of gravity.

### 5.2 Tilt in space seat function

The wheelchair has been designed to be tilted to different positions at times during the day to assist the user in correct posture and for relief from the pressure of sitting in the one position.

The full benefit of the chair will not be achieved unless it is used in tilted positions at times during the day.

This wheelchair will only work properly when the user has been seated correctly.

When transferring the user into the chair the MOST IMPORTANT detail is to ensure that their buttocks and lower back are as far back in the seat as possible and that their pelvis is centred on the seat. There should be only a minimal gap (30mm) between the users back of knee and the front of the seat when sitting correctly; if necessary lift the user out and re-seat them until this is achieved.

To assist staff in getting the user seated correctly tilt the chair at 45 degrees and the user's pelvis will slide back into the seat with minimal lifting. If the chair is equipped with a seat belt this should be fastened firmly; as it forms part of the postural support system.



The chair may be easily tilted by an attendant. Stand at the rear of the chair and hold the push handle(s) on the backrest. In between the 2 rear wheels and just near the attendant's feet is a small foot pedal.

Depress the foot pedal gently with your foot and hold it down. Whilst the foot pedal is held down the chair seat can be tilted to any angle. By releasing the foot pedal the seat will be locked in position.

### 5.3 Outdoor Use

Tilt-In-Space wheelchairs may be slightly more difficult to use than a standard transport chair especially when climbing obstacles due to their extended wheelbase.

It is important to follow the correct procedure to ensure the greatest ease of operation and reduce the possibility of damage to the wheelchair. To climb a kerb or obstacle it is advantageous to have the chair slightly tilted then place both hands on the wheelchair push handle(s).



Place one foot on one of the rear foot stops and as the front castor wheels approach the kerb push down firmly on the footstop and at the same time pull gently back on the push handle(s). This will cause the front castors to lift easily over the obstacle.

	<b>WARNING!</b> Do not lean heavily on push handles or backrest as it may result in personal injury
	<b>STOP!</b> Do not lean heavily on push handles or backrest as it may result in damage to your wheelchair

## 6 Care & Maintenance

Your wheelchair requires routine maintenance checks. You can perform some of these checks, but it is recommended that every 12 months the chair is inspected by a factory authorised service facility. Repairs or replacements should only be carried out with manufacturer-approved components to assure proper performance (see section 7, Servicing).

	<b>STOP!</b> Do not use parts and accessories other than those authorised by Magic Mobility. This may void your warranty and cause damage to your wheelchair.
--	---

### 6.1 General Guidelines

Do not expose your wheelchair to any type of moisture at any time (rain, snow, mist, salt water, or wash). Such exposure can damage your wheelchair. Never operate your wheelchair if it has been exposed to moisture until it has dried out thoroughly.

	<b>STOP!</b> DO NOT use the wheelchair in a shower or leave it in a damp bathroom whilst taking a shower. DO NOT leave wheelchair in a damp area or outdoors for any length of time. Direct exposure to rain or damp will cause mechanical malfunctions and may cause the chair to prematurely rust.
--	---

### 6.2 Tyres and Castors

Tyre	Tyre Description	Recommended Optimum Operating Pressure	Tyre Pressure
Rear Tyres	12 ½ x 2 ¼ pneumatic	<b>30 psi</b> (207 kPa)	30 - 40 psi (207 - 275 kPa)
Castors	190mm MCP solid	NA	NA

#### 6.2.1 Tyre Inflation

Tyre pressures should be checked weekly. All pneumatic tyres are fitted with automotive type valves and can be inflated using most typical automotive hand and foot type pumps as well as service station air outlets.

	<b>STOP!</b> Under inflated tyres may be dangerous and can leave the tyres prone to punctures. Failure to use the correct inflation pressure can result in reduced performance or cause an
--	--

unsafe situation to occur STOP! Over inflated tyres may cause the tire to explode and cause bodily harm.
---

### 6.2.2 Tyre Wear

Tyre wear varies greatly depending on usage (from months to years), but no matter what sort of time your tyres last this is mostly governed by your typical daily requirements. To achieve the most from your tyres it is important to have them correctly inflated. Always use manufacturer recommended parts. Replace tyres when the tread pattern wears to less than 2mm in depth as tyres will start to lose safe traction and can be more prone to puncture.

### 6.3 Upholstery

The wheelchair upholstery may be cleaned using mild soap and water. Never use any chemicals to clean a vinyl seat, as they may cause the seat to become slippery, or dry out and crack. A general purpose upholstery cleaner may be used on velour.

Upholstery life may be affected by skin oils and human sweat particularly that caused by particular medications. It is recommended that should cracking or significant wearing of the upholstery occur, it should be replaced.

### 6.4 Cleaning

Your wheelchair has a powder coated metal frame that allows it to be easily wiped clean with a damp cloth. Never hose off your wheelchair or place it in direct contact with water.

### 6.5 Storage

Store your Magic Mobility wheelchair in a warm dry environment. If you are storing your wheelchair for an extended period of time, please contact your Magic Mobility Dealer who can give you advice on blocking up the wheelchair to avoid flat-spotting the tyres

### 6.6 Transportation

Always be sure your wheelchair and its components are properly secured when it is being transported. Please contact your Magic Mobility Dealer for advice regarding packing and shipping your particular chair.

### 6.7 Weekly Checks

Check the tyre and castor pressure is to the specification as detailed in section 6.2

Check the tyres and castors for wear. Visually check the castor forks for any damage and ensure the castors swivel freely without squeaking.

Check the brakes by applying them and ensuring the wheels cannot rotate if the chair is pushed.

Keep your wheelchair clean and free from foreign material.



STOP! If any of the above checks reveal a problem, please see your Magic Mobility Dealer for repair.
--

### 6.8 Twelve Monthly Checks



Take your wheelchair to your Magic Mobility Dealer to ensure it is functioning correctly.

## 7 Servicing

Please contact your Magic Mobility Dealer to arrange your twelve month service. Your local representative can also discuss the availability of loan (rental) units during repairs and servicing. It should be noted that many of our wheelchairs are highly customised and a loan (rental) chair may not be appropriate.

If you notice symptoms such as uneven tyre wear, unusual motion, broken parts or anything else that may be a cause for concern between services, please also contact your Magic Mobility Dealer immediately. If required, Head Office can help you find your nearest Dealer (see section 9).

Do not modify, or have your wheelchair modified in any way not authorised by Magic Mobility. Unauthorised changes constitute remanufacturing of the wheelchair. The person or group who make the changes will have full liability of the wheelchair under the Therapeutic Goods Act (TGA).

	WARNING! Unauthorised modifications void your warranty and may result in personal injury.
	STOP! Unauthorised modifications void your warranty, constitute remanufacturing and may render your chair unsafe.

## 8 Warranty

This wheelchair is provided with a 12 month Limited Warranty on the parts and workmanship contained within.

This warranty does not cover wearing items such as tyres and upholstery.

The warranty does not cover freight to or from the manufacturer, that is, the chair must be returned to the factory or Dealer, freight pre-paid, for all warranty repairs.

Warranty does not cover faults, failures or excessive wear caused by lack of appropriate maintenance and regular servicing by authorized repairers as outlined within this owners manual.

We will, at our discretion, repair / replace items that we consider were faulty at time of manufacture.

The availability of replacement units is subject to the discretion of the provider, not the manufacturer. For more information regarding replacement units, contact your Magic Mobility Dealer.

All warranties are detailed in "Terms & Conditions of Sale - Magic Mobility" (available upon request)

Upon acceptance of goods at delivery the purchaser accepts the "Terms & Conditions of Sale"

## 9 Head Office and Operations

This wheelchair has been proudly manufactured in Australia.



2/16 Viewtech Place,  
Rowville, Vic. 3178  
Australia

Phone: (03) 9755 8100  
Fax: (03) 9755 8111

Email Address: [admin@magicmobility.com.au](mailto:admin@magicmobility.com.au)  
Web Site <http://www.magicmobility.com.au>

© Copyright Magic Mobility 2002