

**INSTRUCTION MANUAL
WARRANTY CARD**

MAGNESIUM WHEELCHAIR



**AR-355 Magnesium wheelchair
MAGNESIUM**



ARMEDICAL Sp. z o.o.

al. Zwycięstwa 75, 42-520 Dąbrowa Górnicza, Polska
tel.fax: +48 32 261 71 36, +48 783 001 111
www.armedical.pl, e-mail: biuro@armedical.pl





INSTRUCTION MANUAL - MAGNESIUM WHEELCHAIR

Dear Sir or Madam,
Thank you for purchasing our wheelchair. We appreciate the trust you have placed in us. We have made every effort to ensure that our equipment meets your expectations. We hope that it will be practical, helpful and significantly facilitate your mobility at home as well as during everyday walks. Before use, please read this instruction manual and strictly follow the safety instructions. Please keep this manual, which also serves as the warranty card.

Intended use:

The wheelchair is an assistive and rehabilitation device intended for the individual transportation of persons with disabilities following spinal cord injury, cerebral palsy and various injuries or pareses of the lower limbs. It is also intended for persons with neuromuscular diseases, after craniocerebral injuries, as well as geriatric patients. It is also intended for persons who wish to participate actively and comfortably in everyday life despite mobility problems; it provides manoeuvrability and the possibility of balance riding.

Contraindications:

Contraindications to the seated position. Impaired motor coordination, vestibular disorders, spinal instability. Persons with intellectual limitations should not use the device without caregiver supervision.

User data:

Maximum patient weight ensuring safe use of the wheelchair: 110 kg

Notes and warnings:

To avoid accidents, please:

1. Thoroughly check that all components have no visible mechanical damage.
2. Check that all components have been properly connected; the wheelchair must look as shown in this manual.
3. Each time the rear wheels are installed, check that the wheel quick-release axle lock has engaged. A characteristic click of the latch should be heard during installation. Additionally, check by firmly pulling each wheel, without pressing the quick-release button, that it is securely attached.
4. Check that the wheelchair is completely unfolded and that the backrest is fully unfolded (latches locked).
5. Do not unfold or use the wheelchair on surfaces that do not provide secure support for the user, i.e. icy, wet, greasy or heavily sandy surfaces.
6. Use the wheelchair only on surfaces where all four wheels are in contact with the ground and the contact is sufficient to propel the wheels properly.
7. Do not stand on the footrests when getting into or out of the wheelchair – fold the footrests up or move them completely aside beforehand.
8. Do not carry the wheelchair with the user in it. Carry the wheelchair by gripping the seat-frame structure. Never carry the wheelchair by the armrests or footrests.
9. Engage the patient brakes when getting into and out of the wheelchair!
10. Do not exceed the maximum user weight (patient weight in kg) specified by the wheelchair manufacturer.

To avoid injuries:

1. The wheelchair must be completely unfolded (when correctly unfolded it must look exactly as shown in this manual).
2. The technical condition of the wheelchair must be checked every time before use.
3. Do not use the wheelchair if any visible or perceptible damage has been found, or if the degree of wear of the wheelchair components indicates a potential risk of an accident (e.g. worn wheels, torn upholstery, etc.). All repairs must be entrusted to qualified personnel and, during the warranty period, only to the manufacturer's service department.
4. Each time, check the technical condition of the brakes (braking force). The brakes are not intended to slow the wheelchair while moving; they must only be used to prevent unwanted movement of the wheelchair.
5. The patient brakes and caregiver brakes must be properly adjusted (correct braking force and even pressure of both brakes). Incorrect adjustment of one patient brake results in only one rear wheel being locked, which on steep slopes may cause the wheelchair to rotate in a difficult-to-control manner. Using the patient brake while moving may result in an accident and all its consequences.
6. If the wheel tyres become contaminated with oils, grease, water or other substances, braking effectiveness may be reduced.
7. After prolonged use of the wheelchair, braking force may decrease due to play developing between the brake pressure pin and the rear wheel tyre. The parking brakes can be adjusted independently. To do this, loosen the screws securing the position of the brake mechanism, move the entire mechanism towards the wheel so that, after tightening the brake again, the wheel does not rotate (check the adjustment with the patient in the wheelchair). After adjustment, secure the mechanism position again with the locking screws.
8. Check tyre pressure regularly. If tyre pressure is lower than recommended, brake effectiveness may be significantly reduced. Recommended tyre pressure – the value stated on the tyre.
9. For pneumatic wheels, do not exceed the maximum permissible tyre inflation pressure.
10. The wheelchair is intended for indoor and outdoor use only on hard, level surfaces. When moving the wheelchair through doors and other passages, make sure there is sufficient space on both sides to avoid hand injuries or damage to the wheelchair.
11. The wheelchair is not intended for transporting a patient up or down stairs, as a stretcher, or by pulling the patient while seated in it.
12. Exercise particular caution when moving on sloping surfaces. Assistance from a caregiver is necessary to overcome difficult architectural barriers (steep or long ramps, high steps, etc.).
13. The wheelchair must not be used as a seat in a motor vehicle (bus, train).
14. When using public roads, comply with traffic regulations.
15. When reaching for objects, avoid excessive leaning out of the wheelchair as this may result in a fall (sideways, forwards or backwards).
16. Do not leave the patient in the wheelchair (even with the brakes engaged) on slopes, ramps, landings, etc.
17. Do not leave the wheelchair with the user in the immediate vicinity of an open flame.
18. Please remember that the surface temperature of the upholstery and frame components may increase when exposed to sunlight or another heat source, while at low temperatures there is a risk of severe cooling of the metal parts of the wheelchair. This may cause burns or frostbite.
19. When transporting the wheelchair (e.g. in a car boot), do not place any load on it or put any objects on it, as this may affect its construction.
20. Exercise particular caution when folding the wheelchair; lack of attention may result in fingers being trapped by folding components.
21. Before starting to move, always make sure that no part of the patient's body or clothing is at risk of becoming caught in moving parts of the wheelchair.
22. Exercise particular caution when overcoming obstacles (descending or mounting kerbs, crossing thresholds, moving on sloping surfaces). In particular, reduce speed.

Maintenance:

The wheelchair should be cleaned regularly using only water and mild detergents approved by PZH. After cleaning, wipe/dry the wheelchair with a soft cloth. Clean the upholstery and frame with a damp cloth without detergents or similar agents (vacuuming is permitted). Remove contaminants such as threads, hair, etc. from moving wheelchair components (wheels, footrests) on an ongoing basis. To maintain the product's performance parameters, it is extremely important to keep all components clean and store the product properly. Storage in rooms with very high humidity (bathrooms, laundries, etc.) or outdoors, combined with lack of hygiene, will quickly reduce the product's functional and aesthetic properties.

Do not use abrasive agents! Do not use solvents, corrosive agents, chlorine-containing agents or other "aggressive" detergents.

DO NOT wash the wheelchair using pressure washers or steam cleaners. Rubber components (wheels) are wear parts and must be replaced when excessive wear is found.

Maintenance schedule:

Weekly: Check the brake for failure; check all wheels for loose screws, nuts and axles; check the pressure in the rear wheels (for pneumatic wheels). Periodically: Check the armrests, footrests and other wheelchair components for wear. Check that all screws are tightened; check that the front and rear axle screws are tightened (not applicable to quick-release mechanisms); check components for fatigue, wear or cracks. Check the general technical condition of the wheelchair.

Troubleshooting

If problems occur, please review this section. If this does not help, please contact the point of sale or service department. Self-repair of the wheelchair is PROHIBITED!!! It may result in an accident.

I. The wheelchair is unstable.

- a. Are both rear wheels correctly installed? If not, push them in until the quick-release latch makes a clear "click".
- b. Is the wheelchair completely unfolded? If not, unfold it by pressing the seat frame downwards with both hands.
- c. Are the front wheels securely tightened? If not, tighten them and check the stability of the wheelchair again.
- d. Are all front and rear wheels installed at the same height? If not, set and secure them at the same height.
- e. Do both rear wheels have the same pressure (for pneumatic wheels)? If not, equalise the tyre pressure.
- f. Are all wheelchair frame components securely connected? If not, contact the point of sale. **DO NOT USE THE WHEELCHAIR!!!**
- g. Is the backrest completely unfolded? If not, unfold it by lifting it upwards until the latches lock.

Incidents:

Any serious incident related to the device must be reported to the manufacturer and to the Office for Registration of Medicinal Products, Medical Devices and Biocidal Products.

Disposal:

A device no longer suitable for use must be disposed of in accordance with local environmental regulations concerning disposal of devices.

Discontinuation of use:

In the event of visible mechanical damage or material wear, discontinue use of the device.

COMPONENTS / FUNCTIONAL ELEMENTS

AR-355



- (1) – Caregiver handles
- (2) – Caregiver brake
- (3) – Backrest folding latches
- (4) – Armrest
- (5) – Rear wheel tyres
- (6) – Armrest folding latch
- (7) – Patient brakes
- (8) – Hand rims
- (9) – Rear wheel quick-release mechanisms
- (10) – Cross-brace frame (structural)
- (11) – Front wheel fork
- (12) – Backrest

- (13) – Removable MESH mesh upholstery (or washable)
- (14) – Seat
- (15) – Seat frame
- (16) – Footrest folding/removal latches
- (17) – Footrest frame
- (18) – Footrest height adjustment screws
- (19) – Calf securing strap
- (20) – Foot securing straps
- (21) – Anti-tip wheels (mounting location)
- (22) – Footrests
- (23) – Front wheel

Preparation for use:

1. Remove the wheelchair from the cardboard or plastic packaging.
2. First check the technical condition of the wheelchair in accordance with the "Notes and warnings" section.
3. Unfold the wheelchair – position it with the rear wheels facing each other, then spread the wheelchair handles outward. Position the wheelchair with the front wheels facing each other and press down the seat frame until the wheelchair is completely unfolded. Fully unfold the backrest until the latches audibly "click". Place the Mesh (or washable) upholstery on the seat, with the Velcro facing the rear of the seat, so that the Velcro can be attached underneath the seat. Then fasten the mesh (washable) backrest upholstery with Velcro. To attach the footrests, hang the footrest mounting brackets on the footrest hangers and rotate them fully inward until the footrest lock engages and a characteristic click is heard. Make sure the footrests are locked. Then unfold the footrest platforms. Attach the calf stabilising strap to the footrest frames using the Velcro fasteners (wrap it around and fasten with Velcro).
4. To individually adjust the wheelchair to the patient, set the correct footrest height. Seat the patient in the wheelchair; the legs should be bent at an angle of approximately 90°. (Loosen the footrest height adjustment screws, set the correct height and tighten the screws again.)
5. Set the desired height of the anti-tip wheels by pulling the internal (round) locking pin towards you, setting the appropriate height and releasing the locking pin (the pin must enter the height-adjustment holes – a "click" should be heard).
6. Set the desired height of the front and rear wheels (centre-of-gravity adjustment) by loosening the front wheel screws (height repositioning on the forks) and the rear wheel adapters. Raise or lower the wheels to the desired position and retighten the screws.

If necessary, to obtain detailed instructions on proper use, consult a doctor, rehabilitation specialist or point of sale.

Cleaning and storage:

1. Place the wheelchair where it will not be exposed to mechanical damage or harsh weather conditions (rain, frost, strong sunlight).
2. In case of soiling, follow the "Maintenance" section of this manual.

Technical Data:

PARAMETER: AR-355	
Frame / colour: Magnesium alloy / Metallic silver	
Type / model: Folding, cross-brace frame	
Overall dimensions 105 x 58–65 x 94.5 cm (depending on width)	
Product weight: up to 12 kg* (without accessories)	
Maximum load: 110 kg	
Standard equipment	Folding backrest. Nylon backrest and seat (bag/pocket on the backrest). Swing-away, detachable footrests with height adjustment. Foot securing straps. Swing-away armrests – PU material. Patient brake. Caregiver foot supports. Front wheels – maintenance-free. Rear wheels – pneumatic (quick-release). * – accessories included: additional detachable washable upholstery and second mesh upholstery, caregiver brake, calf securing strap, pump. ** – optional accessories: height-adjustable anti-tip wheels (angle of inclination).

SYMBOLE:

								
Wyrób medyczny	Zapoznaj się z instrukcją	Producent	Wyrób spełnia wymagania UE	Ostrzeżenie	Nr dato / serii	Data produkcji m-c/rok	Nadaje się do recyklingu	Selektywna zbiórka odpadów

WARRANTY CARD

The proof of purchase must be attached to the card

Date of sale Seller's stamp and signature		
Purchase invoice No.		
LOT No. Warranty period		
Product name and catalogue No. Will the device be entered into the public funding reimbursement system? *delete as appropriate YES / NO*		
Order registration number		

1. ARMEDICAL Sp. z o.o., 42-520 Dąbrowa Górnicza, al. Zwycięstwa 75, provides a customary 12-month warranty for the products covered by this document. If the product is entered into the public funding reimbursement system, the manufacturer provides a 30-month warranty period. The warranty period is calculated from the date of purchase of the product by the User. The warranty is valid only within the territory of the Republic of Poland.
 2. During the warranty period, ARMEDICAL Sp. z o.o. undertakes to carry out the necessary repairs to restore the product to proper working order within 14 days from the date of receipt of the returned product.
 3. ARMEDICAL Sp. z o.o. reserves the right to replace the product with a defect-free product if it considers the repair costs uneconomical.
 4. If the device is found to be malfunctioning, immediately contact the point of sale where the product was purchased or send it to the manufacturer's address.
 5. The warranty does not cover damage caused by mechanical factors. The warranty does not cover consumable parts subject to normal wear, plastic and rubber components (e.g. wear of wheels and plastic handles).
 6. The warranty does not cover cases where the wheelchair is used contrary to its intended purpose or contrary to the instruction manual, or where the user exceeds the maximum permissible load specified by the manufacturer.
 7. The warranty does not cover defects resulting from unauthorised repairs, modifications or structural changes made by the User or other unauthorised persons.
 8. The warranty is valid only together with proof of purchase and this warranty card.
 9. Complaints must be submitted exclusively in the form of a written complaint report specifying the type of defects found and the circumstances in which the defect appeared. Failure to comply with the complaint procedure specified in this manual excludes the guarantor's liability.
- The returned product must be in an appropriate hygienic condition.