



Mobilizer Medior



Instructions for use

Mobilizer Medior

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Information on the instructions for use

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1. foreword and general information

Dear customer,

Thank you for choosing a product from Reha & Medi Hoffmann GmbH. These instructions for use provide you with all the important information and notes on the Mobilizer Medior. It is also intended to make it easier for you to become acquainted with the product and to provide instructions for its proper use and safe operation.

Please read this manual carefully and completely before using your Mobilizer Medior. Keep them handy for future reference.

All directions are indicated looking from the rear of the product in the direction of travel, as shown in Fig. 1.

Assembly / Mounting

Assembly or mounting is not required. Mobilizer Medior is delivered ready for use. Before first use, the batteries must be charged.

If, despite careful study, further information is required, please do not hesitate to contact us. You will find our contact details at the beginning of these instructions for use. Online you will find all documents in digital form at www.rehamedi.de.



Fig. 1: Basis for directional/ lateral indications (Fig. shows Mobilizer Medior with vibration module)

1.1 Copyright

These operating instructions, including all their parts and illustrations, are protected by copyright. The rights to translation, reprinting, extraction of pictorial representations as well as reproduction and storage in data processing systems are reserved, even if only excerpts are used. The use in lectures or publication in media, in particular in publications, also in extracts, requires the prior written consent of Reha & Medi Hoffmann GmbH.

1.2 Disclaimer

Understanding, observing and complying with these instructions for use is absolutely essential for patient safety and the safety of users as well as the trouble-free operation of the products of Reha & Medi Hoffmann GmbH. Reha & Medi Hoffmann GmbH does not assume any warranty or liability for direct or indirect damage resulting from unauthorised modifications to the product or failure to observe these instructions for use.

The products of Reha & Medi Hoffmann GmbH may only be used in conjunction with equipment options approved by the manufacturer as specified in the instructions for use.

Any combination of the product with other products, in particular with medical products, as well as any technical modification to the product is generally not permitted. Exceptions require the written approval of the manufacturer.

Despite careful checking, errors in this document cannot be completely ruled out. We reserve the right to make technical or content-related changes at any time without prior notice.

Documents in printed form are not subject to a change service.

1.3 Definition of groups of persons

For reasons of better readability, the simultaneous use of the language forms male, female and diverse (m/f/d) is dispensed with.

Manufacturer

determines all measures to ensure safe and proper handling and use and is responsible for instructing the operator in this respect.

Operator

is any natural or legal person responsible for the operation of the healthcare facility in which Der Mobilizer Medior is used by its employees.

User

is medical and nursing staff who use the product for mobilisation after instruction by the operator. As well as maintenance personnel with basic training in mechanical and mechatronic systems who are responsible for troubleshooting. Users are able to recognise, assess and, if possible, avoid potential hazards during use.

Patient

is a

- person undergoing medical treatment
- person in care
- cared for mentally and / or physically impaired person.

medical professionals (staff)

These are, among others, doctors, nurses, caregivers, physiotherapists / occupational therapists. Trainee healthcare professionals must be supervised during use in addition to instruction.

Lay people and third parties

Laypersons are persons instructed in cleaning work by healthcare professionals. Third parties" also includes, for example, relatives of the patient.

These instructions for use have been prepared for users and operators!

2. description, purpose, definition

The Mobilizer Medior is a mobile, height-adjustable inclined board and enables standing exercises. To extend the therapeutic benefit, intermediate positions, such as sitting and sitting positions, can be continuously adjusted between the horizontal and vertical positions by means of a hand control unit with an electric motor and battery operation.

Mobilizer Medior is suitable for patients from 14 years of age with a body length of 146 to 200 cm and can be adjusted to the required height by means of the height-adjustable foot-rest.

Mobilizer Medior enables stabilisation of the torso and legs as needed. The individually adjustable positions support the patient's head control and arm function. The upright body position can expand the patient's field of vision and improve their spatial perception. The extensive position adjustment allows Mobilizer Medior to be used for therapeutic purposes and can also be used as part of the administration of nutrition.

Mobilizer Medior is also infinitely adjustable during treatment between the horizontal and vertical positions, as well as to all intermediate positions. The leg section moves synchronously with the backrest.

When the patient is in the supine position, the range of functions with all intermediate positions can be used. In prone position, Mobilizer Medior may only be swivelled between horizontal and vertical position with the lying surface level.

The sitting/lying surface is mounted on a compact chassis with four swivelling and brakable castors, one of which can additionally be fixed in direction, thus ensuring safe straight running. The castors are operated by means of central foot control.

On both sides of Mobilizer Medior are upholstered armrests that raise and lower synchronously with the backrest. The armrests can be swivelled in any position to ensure barrier-free lateral transfer of the patient in any lying or sitting position. The body contact surfaces are padded and limited with swivelling side bars in the pelvic and leg area, as well as in the upper body area.

The foot fixation, leg fixation, pelvic fixation and upper body restraint are individually adjustable and padded.

The upholstery has a pressure-relieving effect in the seat and back area due to a viscoelastic component in the upholstery foam and contributes to decubitus prophylaxis.

All upholstery parts and covers are removable without tools, can be cleaned with standard household cleaning agents, are resistant to disinfectants and have an anti-microbial finish. The frame is powder-coated to prevent corrosion, can be cleaned with standard household cleaning agents and is resistant to disinfectants. The Mobilizer Medior is reusable.

2.1 Indication

Depending on the severity of the respective functional or structural damage, fitting with a Mobilizer Medior may be indicated:

Significant impairment of standing and walking, for example:

- Complete/incomplete hemiplegia (hemiparesis) and, if necessary, with involvement of the trunk muscles as a result of a brain disease (for example, stroke, brain tumour).
- Complete/incomplete paralysis of the arms and legs (tetraplegia/paresis) and, if necessary, with involvement of the trunk muscles as a result of a disease of the brain (for example, multiple sclerosis, brain injury), the spinal cord (for example, poliomyelitis, paraplegia due to trauma or tumour) or the peripheral nervous system/muscular diseases (for example, Guillain-Barré syndrome, muscular dystrophies).
- Complete/incomplete paralysis of the legs (paraplegia/paresis) and, if necessary, with involvement of the trunk musculature as a result of a disease of the spinal cord (for example, paraplegia in the case of traumatic/inflammatory/tumorous thoracic and lumbar marrow lesion) or disease of the peripheral nervous system/muscular diseases (for example, polyneuropathy, muscular dystrophies).
- For assuming a standing position, for example in preparation for gait training and/or for achieving positive effects of an upright body position (for example with regard to circulation regulation/bone metabolism/bowel peristalsis/urinary drainage and/or for preventing pressure sores, thrombosis or joint contractures, promoting head control and arm function and improving spatial perception), if the clinical picture and the spatial conditions make it necessary for the assistant/carer to change the location of the aid within the home.

2.2 Contraindication

Selected contraindications to the use of Mobilizer Medior as a standing aid:

- Non-stabilised fractures, acute phase of a paraplegic injury
- Symptoms of the failure of autonomous vascular regulation also in other neurological and/or internal diseases.
- Cardiac emergency - acute, severe impairment of cardiovascular function.
- Surgical wounds - Patients with fresh wounds after surgical procedures, such as a sternotomy after cardiac surgery, after plastic surgery to cover sacral or leg decubiti, should not be raised, or only after a doctor's orders.
- The patient's body weight must not exceed 250 kg.

The Mobilizer Medior must not be used if a patient has failed the examination of a health-care professional.

3. Permissible operating conditions/place of use

The Mobilizer Medior is intended for indoor use. If it is necessary to negotiate steps or thresholds, these must be sloped or a ramp must be created. The ramps or an inclined plane may have a maximum gradient of seven degrees. The operating temperature range is +5°C to +40°C.



ATTENTION!

The position adjustments may only be made on a horizontal surface. Use in potentially explosive atmospheres is not permitted.

4. Dimensions

All dimensions in millimetres



Fig. 2: Mobilizer Medior in upright position with vibration module

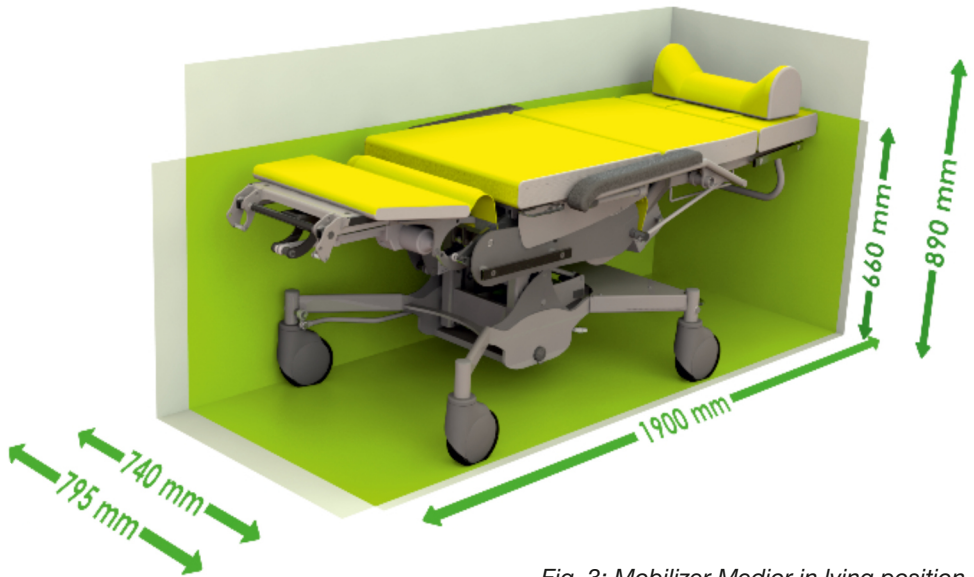


Fig. 3: Mobilizer Medior in lying position

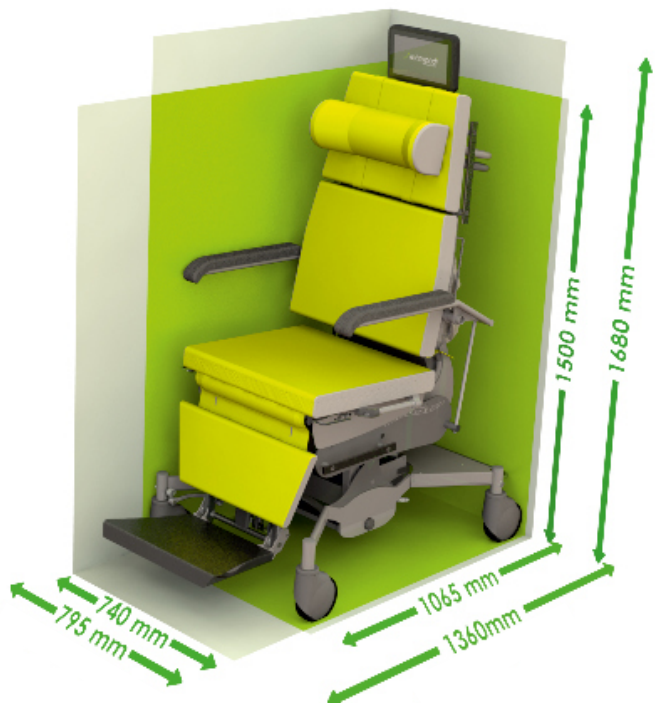


Fig. 4: Mobilizer Medior in sitting position

5. Safety instructions

Safety and warning notices on the Mobilizer Medior

Safety and warning notices in the form of pictograms and stickers are attached to Mobilizer Medior and to any equipment supplied with it. These must not be changed or removed. Defective or damaged notices must be replaced immediately. The manufacturer must be contacted for this purpose.



ATTENTION!

Indicates a hazard. Failure to observe and avoid the situation may result in injury.

5.1 Explanation of symbols and notes

For the safety of patients, for personal safety as well as to avoid damage to property, the meaning of the following symbol and note explanations must be observed. These are divided into hazard levels. If several degrees of severity occur, the warning for the highest level is always used.

Pictogramm	Meaning
	Follow the instructions for use! Instructions for the safe use of Mobilizer Medior are included and must be followed.
	Observe the maximum patient weight! Non-observance can lead to injury to patients, medical staff and third parties or to damage to property.

5.2 Basic safety information

The Mobilizer Medior is designed and manufactured in accordance with the state of the art and its recognised safety rules. Nevertheless, risks of injury to staff, patients and third parties or damage to the Mobilizer Medior or other property cannot be excluded if the Mobilizer Medior:

- is not used according to the intended use,
- is operated in a technically unsound condition or
- is operated by untrained or uninstructed personnel.



ATTENTION!

All safety instructions and warnings as well as the recommendations for action in these instructions for use must be read! These must be followed without fail! Failure to do so may result in personal injury and/or damage to or malfunction of the Mobilizer Medior!

Occupational safety in general



ATTENTION!

General and national accident prevention regulations must be observed. The operating personnel must be instructed accordingly. Safety and warning notices on the Mobilizer Medior must not be changed or removed. Damaged notices must be replaced immediately and can be obtained from the manufacturer.

Qualification of the staff



ATTENTION!

Only demonstrably instructed users are allowed to use the Mobilizer Medior

- apply,
- clean,
- maintain and service as a precaution.

Commissioning



ATTENTION!

Before the Mobilizer Medior is put into operation, the medical staff must be instructed in its use by means of the instructions for use. The potential hazards that may occur despite proper operation of Mobilizer Medior must be pointed out in detail.

Mobilizer Medior may only be operated in accordance with its intended use and only within its performance limits.

In the event of malfunctions or defects that could impair safety, the Mobilizer Medior must be taken out of operation immediately and the fault must be rectified immediately. To do this, contact authorised technicians or the manufacturer. Never use Mobilizer Medior with defective technical safety devices.

Before putting the Mobilizer Medior and its accessories into operation, a visual inspection must be carried out. For this purpose, all cables must be checked for external damage, connecting elements for tightness and the presence of the protective measures.

5.3 Operational capability

Before and during the use of Mobilizer Medior and its accessories, further instructions listed below must be observed.:

- It must be ensured that the adjustment processes take place without collision, continuously and almost noiselessly.
- The function of the braking system must be checked according to item "13 Driving and braking"..
- Compliance with hygiene requirements must be ensured. The pads must be checked for damage that could affect their disinfectability..
- Make sure that the connecting and fastening elements function correctly..
- The smooth functioning of all operating elements must be checked.
- The appliance may only be operated by persons who are familiar with these operating instructions. These instructions must be kept accessible to all operators. If they are lost, they must be obtained from the manufacturer.
- Before each transfer and when the patient sits down or stands up, the parking brake must be activated to prevent the Mobilizer Medior from rolling away unintentionally.
- The operator must ensure that the person on the Mobilizer Medior is suitably secured against falling out.
- The operator must ensure that no one can manipulate the Mobilizer Medior or be injured by moving parts during adjustment. The patient's arms should be in the patient's lap or on the armrests. The feet shall be placed securely on the footrest or on the floor.
- Avoid direct and prolonged skin contact with Mobilizer Medior for more than 1 hour by using a suitable pad.
- The Mobilizer Medior and its individual components are sometimes subjected to high stresses over the course of their useful life or in the event of improper handling. Any kind of cracks or scratches can be indications that the component in question will suddenly fail, which can lead to accidents with a risk of injury.
- Rattling noises or wobbling are an indication of defects!
- Technical modifications are not permitted. Only original parts from the manufacturer may be used for repairs. A combination with other medical devices may only be carried out after written approval by all manufacturers or distributors involved.
- Repairs, maintenance and adjustment work may only be carried out by persons who have sufficient specialist knowledge. The EU Medical Device Regulation (MDR 2017/745) must be observed.
- Regular product maintenance of Mobilizer Medior is recommended in order to preserve its value.
- The linear actuators and the supply cables must be free of external damage.
- Only the batteries intended for this purpose may be used to operate Mobilizer Medior!

5.4 Products with battery

Products with rechargeable batteries may only be operated with the rechargeable batteries supplied or other rechargeable batteries approved by the manufacturer. The rechargeable batteries may only be charged in the charging station provided, including the mains adapter.

Batteries

These are 24 V rechargeable batteries. Contact between the two contacts is almost impossible due to the design. Do not touch the contacts, otherwise there is a risk of fire or electric shock. As a precaution, avoid wearing metallic jewellery, as touching the electrical contacts can cause a short circuit in the battery and thus pose a risk of explosion.

charging station

The external charging station for the batteries must be operated separately and must not be connected to the product for mains operation. The charging station may only be operated outside the patient environment. The charging station and the mains adapter with supply cable must be checked for external damage. The mains adapter is subject to the relevant regulations for mains-powered devices.



ATTENTION!

Risk of destruction of the electric motors and fire hazard when using unauthorised batteries and charging stations! Recharging of batteries is only permitted with the charging station supplied by the manufacturer.

5.5 Product life

The expected technical product life is set by the manufacturer at 10 years, provided the intended use and safety instructions are observed. Daily use provides for 10 applications on 5 consecutive days followed by 2 rest days. It is recommended to limit one application to 15 minutes.

6. Height adjustment

Mobilizer Medior is equipped with a height adjustment that works independently of the lying or sitting position. It is operated by means of a hand switch (see Fig. 7).



Fig. 5: Height adjustment

7. Backrest adjustment

By tilting the backrest, Mobilizer Medior can be adjusted from a flat lying surface to a sitting position. Synchronously with the inclination of the backrest, the leg rest is also lowered or raised. The operation is done by means of a hand switch (see fig. 7).

The Mobilizer Medior is characterised by a reduction of the shear forces that are otherwise common when adjusting the backrest. Depending on the inclination of the backrest, the seat cushion is shifted in the longitudinal direction and adjusted (tilted) at the front. This gives the patient a stable sitting position without shifting during sitting up.



Fig. 6: Backrest adjustment

8. Hand control

The tilt of the backrest and seat, as well as the adjustment of the seat height, is carried out by means of electric motors. Operation is via a hand control (see Fig. 6). The hand control has six function keys in the upper three rows of keys (framed in black) and four programme keys with preset positions in the lower two rows of keys (framed in white). The status LED in the upper left area of the hand control indicates the battery charge status and only lights up when the Mobilizer Medior is in operation (see 10. Changing the battery).

8.1 Function keys

The function keys offer the possibility to adjust the height adjustment, the backrest tilt and the seat tilt separately. However, for safety reasons, certain areas are blocked. For example, the forward tilt is only permitted in the highest position of the height adjustment. When using the programme buttons, such conditions are automatically created.

- 1 - Raise height adjustment
- 2 - Lower height adjustment
- 3 - Raise backrest
- 4 - Lowering the backrest
- 5 - Seat tilt forward
- 6 - Seat inclination to the rear

8.2 Programme buttons

Predefined movement cycles are assigned to the programme buttons. To set the desired end position, the respective button must be kept pressed until the corresponding position is reached. If the button is released before the end position is reached, Mobilizer Medior stops. Pressing it again resumes the movement cycle.

- 7 - Position standing bed
- 8 - Chair position
- 9 - Position couch
- 10 - Shock position

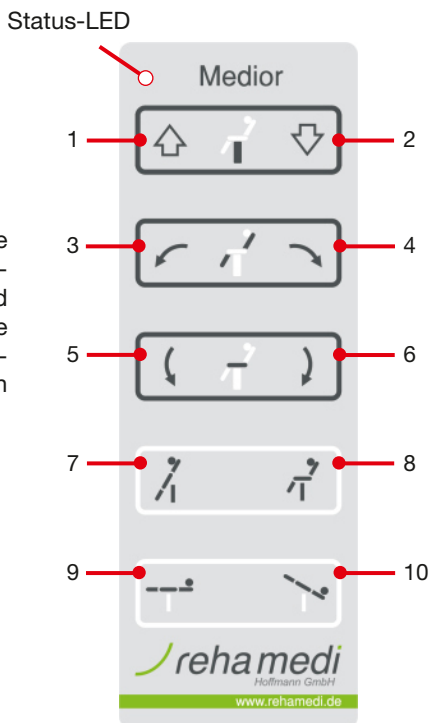


Abb. 7: Handschalter

9. Main switch

Behind the backrest below the battery is the red main switch (see Fig. 8), which is used to switch off all drives of the Mobilizer Medior by pushing in the switch button. Turning the red control knob clockwise releases it again.



Fig. 8: Main switch

10. Transfer

Patients can be transferred sideways into and out of Mobilizer Medior in a sitting or lying position. Patients whose mobility allows it are also able to get out forwards or sit in the standing-up position. In principle, Mobilizer Medior must be braked every time the patient is transferred or sits in or gets out of the chair.

10.1 Horizontal transfer

Before transferring patients lying down, lower the backrest to the flat lying position and the footrest to the lowest step. Patients are to be positioned so that their greater trochanter (large rolling mound) is positioned above the rear end of the seat cushion. In this position, the top of the patient's head must not protrude above the head cushion. Moving the patient towards the head end or foot end is not permitted (see Fig. 9 and Fig. 10). The backrest must be raised to achieve a semi-sitting position and the footrest adjusted to the patient's lower leg length according to chapter 12.



ATTENTION!

In the lying position, the patient's body weight must be evenly distributed. The patient's centre of gravity must be on the seat cushion (applies especially to amputees). Lifting the legs may cause the Mobilizer Medior to tip over.

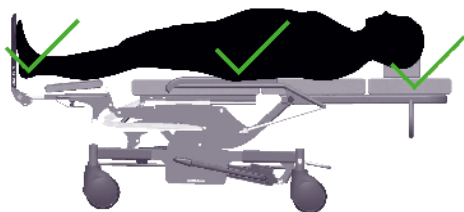


Fig. 9: Permissible patient positioning

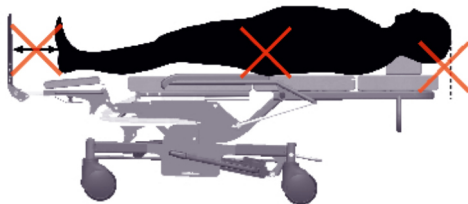


Fig. 10: Inadmissible patient positioning

10.2 Sitting transfer

Alternatively, the armrests can be swivelled upwards to allow comfortable lateral transfers in sitting positions. If patients are transferred to Mobilizer Medior in a sitting position, they should only be positioned on the seat surface so that the lower part of the back rests against the backrest and the patient can assume an upright sitting position.



ATTENTION!

Mobilizer Medior is not suitable as a climbing aid, nor is it permitted to sit down on the backrest or foot end. An impermissible load can cause the Mobilizer Medior to tip over.

To get out forward, the seat of Mobilizer Medior is tilted forward as far as it will go and the footrest is stowed under the calf pad. In this position, an attendant can help the patient out of Mobilizer Medior with minimal effort while observing kinaesthetic principles.

11. Armrests

The armrests provide support for the patient without limiting the seat width. They lower automatically to the level of the seat cushion when adjusted to the couch, facilitating the prone lateral transfer of patients. For seated transfer or lateral sitting, it is possible to swivel the armrests upwards individually (see Fig. 11).



Fig. 11: Armrest swivelled upwards

Locking the armrests

According to the scope of equipment, the armrests can be locked in any position by means of a locking lever (see Fig. 12).



Fig. 12: Locking the armrest in place

12. Footstep

Positioning

The patient's feet must be positioned centrally parallel on the foot step (see fig. 10). The patient's feet must not protrude beyond the footrest. The symmetrical arrangement of the feet on the foot step ensures optimal function and prevents the risk of tipping over due to uneven load distribution. For a lying transfer or if the foot step is not needed, it can be folded under the calf pad. To do this, lift the calf pad, fold in the fully extended foot step and then put the calf pad down again.



Fig. 13: Positioning the feet on the foot step



ATTENTION!

The foot step may only be folded in in the extended position to avoid damage to the calf pad.

electric footrest adjustment

The footrest can be continuously adjusted to the length of the patient's lower leg. To do this, press the buttons on both sides underneath the seat cushion (see Fig. 14) to raise or lower the footrest.

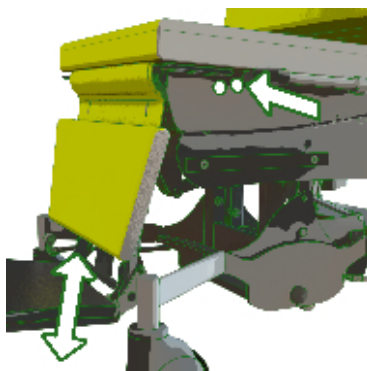


Fig. 14: Electric footrest adjustment

13. Driving and braking

With the foot control lever at the rear of the frame, both the directional and the total locking of the castors are operated centrally. For driving straight ahead, the directional castor at the front right can be locked by lifting the central brake lever.

Pushing down the central brake lever (Fig. 15) locks the rear brake rollers and the directional roller (all-wheel brake). The central, horizontal position of the central brake lever causes free-wheeling and free pivoting of all wheels.

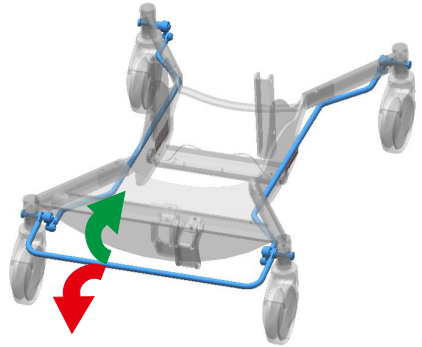


Fig. 15: Brake lever



ATTENTION!

To prevent unintentional rolling away, the parked Mobilizer Medior must always be braked.

14. CPR function

The foot switches for the CPR function (see Fig. 16) are installed on both sides centrally in the lower part of the chassis on the Mobilizer Medior and can be triggered from any position. When the CPR switch is actuated, the level, horizontal lying surface is set.



Fig. 16: CPR switch

15. Angle display

The angle indicator is located on both sides of the Mobilizer Medior under its seat (see Fig. 17). The reading point of the angle at the recess of the cover plate is marked with a dot.

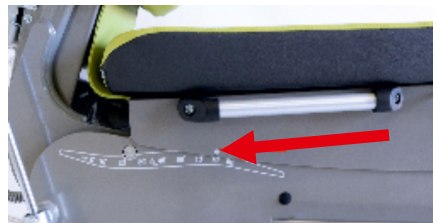


Fig. 17: Angle display



ATTENTION!

The angle of the seat to the backrest is displayed, regardless of the inclination of the seat.

16. Battery change

All functions of Mobilizer Medior are powered by an electric motor in battery mode. An LED indicator light on the battery holder (see Fig. 18) shows the current charge status:

- green: sufficient charge - battery full
- yellow, a short beep sounds when a button is pressed: charge is running low, recharge the battery.
- red, a repeating beep sounds: low charge - be sure to charge the battery before using Mobilizer Medior.



Fig. 18: Battery control light



ATTENTION!

The weight of the battery is up to 5 kg, depending on the type of battery. When removing the battery, make sure that it does not fall down when detaching it.

The battery is freely accessible behind the backrest. To change the batteries, the backrest should be moved to a vertical position and the parking brake applied. To release the battery, pull it to the left with a slight jerk and then lift it off the backrest (see Fig. 19). To insert the charged battery, proceed in reverse order. To charge the battery, insert it into the charging station in the same way as on the battery holder on the Mobilizer Medior (see Fig. 20). Please also observe the general safety instructions (chapter 5). The charging station should preferably be mounted vertically on a wall (see Fig. 21) so that the battery is inserted into the charging station from above for charging.

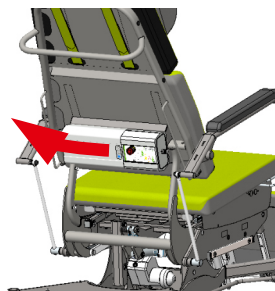


Fig. 19: Removing the battery

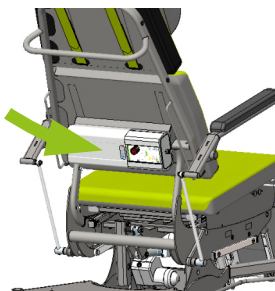


Fig. 20: Inserting the battery

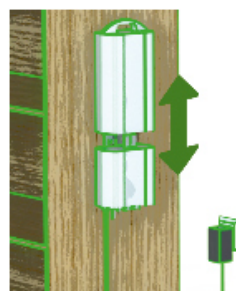


Fig. 21: Charging station with wall bracket



INFORMATION

Depending on the battery type, the battery must be replaced regularly. If the battery performance drops noticeably, contact your customer advisor or the manufacturer.

17. Product care note

Mobilizer Medior is maintenance-free. To maintain the value and serviceability, professional product care of Mobilizer Medior is recommended within 24 months. Instructions for product care and a manual for checking the unit's safety are available from the manufacturer. Due to the powder coating and chrome-plated components, Mobilizer Medior has corrosion protection. Damage to the paint must be repaired immediately to maintain the value and safety.

18. Reprocessing

Cleaning and disinfection

Before starting cleaning work, switch off the Mobilizer Medior by pressing the main switch and apply the central brake. It is recommended that the surfaces be wiped down with a damp cloth using household and commercially available, non-abrasive, neutral cleaning agents. Disinfectants that are gentle on the material can be used for disinfection. The application instructions and exposure times of the disinfectant used must be observed.

An overview of recommended disinfectants listed by the Robert Koch Institute are listed at: <https://rehamedi.de/service/#reinigen>.

The pads are attached with Velcro and can therefore be removed without tools. The calf pad can be swivelled upwards for easy cleaning and disinfection. The Mobilizer Medior is not suitable for machine cleaning.

[Disinfectant list
for download](#)



19. Re-use

Mobilizer Medior can be reused indefinitely within its product lifetime. For reuse, the usability must be checked according to point 5.3 and reprocessing must be carried out thoroughly according to point 18. If there are any irregularities, especially in point 5.3, a comprehensive safety check (STK) is necessary. This may result in service and repair work, which must be agreed with the manufacturer. A safety checklist is available from the manufacturer.

20. Equipment options

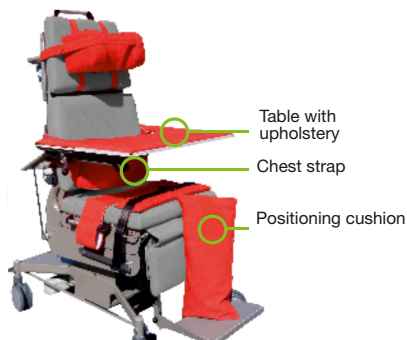
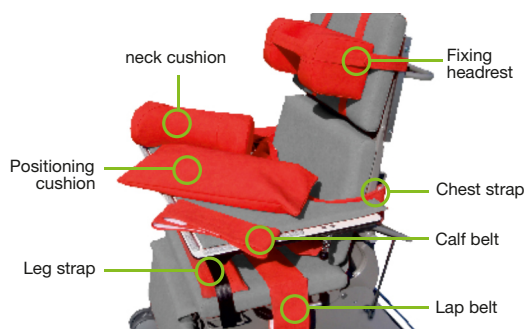


Fig. 22: Equipment options

Headrest, fixing

This headrest is fitted in place of the standard neck pad and has an additional strap to secure the head over the patient's forehead (see Fig. 22).



ATTENTION!

When using the forehead belt, never leave the patient unattended!

Table with upholstery

The table has rounded crumbling edges and an insensitive surface that can be disinfected by wiping. It is placed on the armrests at an appropriate distance from the body. Under the table there are locking levers on the right and left that audibly snap into place when light downward pressure is applied (see Fig. 23). To release the lock, the handles are moved upwards again. A matching cushion is available.



Fig. 23: Release lever for table attachment

Locking the armrests

With the locking device for armrests (see fig. 24) it is possible to fix the armrests in any desired position between parallel to the seat surface up to completely folded upwards.



Fig. 24: Locking the armrest in place

Side bar

Side bars can be attached to both sides of the seat (see Fig. 25). They offer the patient lateral support in the leg area and facilitate the use of additional positioning aids. The side bars can be lowered for unimpeded lateral transfer. Pressing the bar in the direction of the arrow releases the lock. The side bars are fitted at the factory, cannot be retrofitted and

cannot be combined with push handles. Pads for the side bars are additionally available.



Fig. 25: Side bracket

Straps

A selection of different tethers is available (see Fig. 22). For all tethers, the tabs are pulled through the retaining brackets provided on Mobilizer Medior and the Velcro or belt fasteners are closed. The thoracic belt is attached from the front with the foam pads facing the patient's body, but as an alternative to the pad belt. The leg strap is to be applied below the kneecap (patella). All body contact surfaces have padding.

Infusion stand

The infusion stand (see fig. 26) is attached in one of the rear wheel sockets. The cover cap is pulled out of the wheel socket and the holder of the infusion stand is inserted into the socket. The infusion stand is then attached using the star handle.



Fig. 26: Infusion stand



ATTENTION!

When using Mobilizer Medior, the infusion stand must be swivelled outwards. Contact between Mobilizer Medior and the infusion stand during adjustment, especially of the backrest, can damage parts of the stand or Mobilizer Medior. When transporting Mobilizer Medior, the infusion stand must be swivelled in. Otherwise, parts of the stand may be damaged when passing through narrow places, e.g. door frames.

Pushing, pulling and pushing on the infusion stand to transport or slow down Mobilizer Medior will inevitably damage parts of the stand. Manoeuvring Mobilizer Medior with the infusion stand is not permitted.

Akku

An additional exchangeable battery allows the Mobilizer Medior to be used continuously without breaks in charging. For use, see section "15. Changing the battery".

Vibrationsmodul

Installed in the footstep of Mobilizer®, the vibration module generates horizontal oscillations through vibration and can be used in any lying, sitting or standing position. Two modes can be selected here: a) the stochastic linear mode and b) the stochastic randomised mode with constant random changes of frequency. The vibration module is operated via a touch display. (see fig. 27). Please refer to the separate instructions for use.



Fig. 27: Touch display

21. Warranty

The warranty period for Mobilizer Medior including the additional equipment is 24 months from the date of delivery.

Excluded from warranty claims are:

- Wear parts (e.g. armrest pads, locking screws)
- Damage due to non-observance of these instructions for use
- Damage due to unauthorised modifications to Mobilizer Medior and accessories
- Damage due to unauthorised combination with other products
- Damage due to product maintenance, disinfection, repair or overhaul as a result of non-compliance with the instructions available for this purpose.
- Pads and straps for patient restraint
- Circulation

22. Disposal

The transport packaging is recyclable and must be recycled locally. Mobilizer Medior can be returned to the manufacturer free of charge for professional disposal.

23. Technical data

Standard width:

Reclining height adjustable	66 - 89 cm
Angle of inclination flat lying surface.....	0° - 72°
Standing position, with combination of adjustment options.....	90°
Head-down position.....	-10°
Length of the lying surface.....	178-190 cm
Seat width	58 cm
Total width	74 cm
smooth running wheels	Ø 150 mm
tare weight.....	ca. 125 kg
Maximum permissible patient weight.....	250 kg

Widened version:

Seat width	66 cm
Total width	79,5 cm

Interchangeable battery system 24 V / max. 5.5 Ah - depending on battery type
Charging station type ZLA-142221, protection class according to DIN EN 61140: protection class III / protection by extra-low voltage (SELV), internal power supply, no mains connection
Application type according to IEC 60601-1: no application part

23.1 IP protection classes and temperature ranges

Komponente	IP-Schutz-klasse	Betriebs-temperaturbereich	Lager-temperaturbereich
Total product Mobilizer Medior	IPX4	+5°C to +40°C	+5°C to +40°C
Hand control Ewellix EHA3	IP67	No temperature restrictions spiral cable: 1,3 m; maximum plugging 2,5 m	
SCU-Control Ewellix	IPX4	+5°C to +40°C	+5°C to +40°C
Matrix linear actuator Ewellix	IP66	+5°C to +40°C	+5°C to +40°C
Pb-Gel-battery Ewellix (FIAMM FG20451)	IPX4	-20°C to +50°C	The cooler the better, faster capacity loss at higher temperatures, more frequent rechar- ging is then necessary.
Performance+ battery (Howell Energy HW- 4F5)	IPX4	loading: 0°C to +45°C Unloading: -20°C to +60°C	-5°C to 35°C
charging station ZLA-142221	IPX4	+10 to +40 °C	+10 to +40 °C
Power adapter intai IN3600400	- / Protection class II	-29 to +45.5 °C	-29 to +45.5 °C

23.2 The type plate



Fig. 28: The type plate is located on the back of the backrest at the height of the push handle.

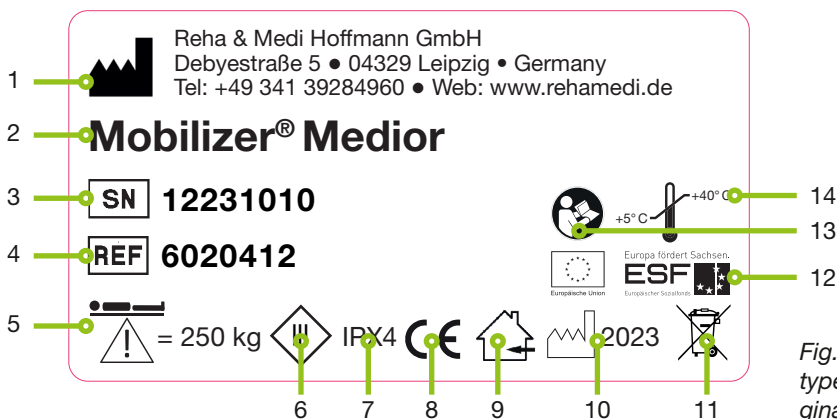


Fig. 29: The type plate in original size

1. manufacturer
2. product designation
3. serial number
4. item number
5. max. load
6. protection class III: protective extra-low voltage
7. moisture protection class
8. CE mark - the product meets the applicable requirements
9. only suitable for indoor use
10. production date (year)
11. product must not be disposed of in household waste
12. note: supported by the ESF
13. commandment sign "follow instructions"
14. ambient temperature for operation

1. transfer to the Mobilizer Medior

Move the Mobilizer Medior to the lying position at bed level (see Fig. 1). Before transferring the patient, the length of the lying surface of the Medior should be adjusted to the patient's height.

The foot step can be continuously adjusted to the length of the patient's lower leg.

To do this, press the buttons on both sides underneath the seat cushion (see Fig. 2) to raise or lower the footrest.

Ensure that the patient is positioned correctly and the greater trochanter (large rolling hill) is positioned over the rear end of the seat cushion.

The lifting range of Mobilizer Medior is 23 cm. The transfer of the patient can easily be done with a rollboard.

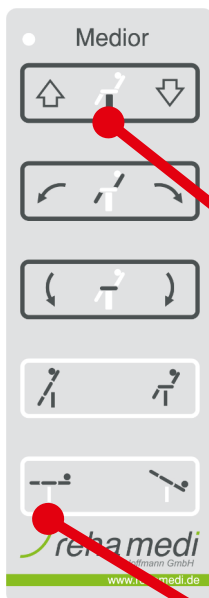


Fig. 27: Hand control



Fig. 1: Setting the transfer height

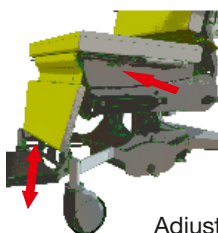


Fig. 2: Adjusting the lower leg length

Programme key couch

2. raising the patient to a stable sitting position

Raise the patient with the upper body up to approx. 45 degrees (see Fig. 3). The back section and the calf pad are automatically moved simultaneously. Check the correct leg length and adjust the footrest if necessary. The length compensation of Mobilizer Medior ensures a continuously stable sitting position.

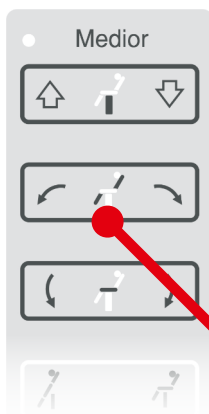


Fig. 3: Raising the patient

Move backrest

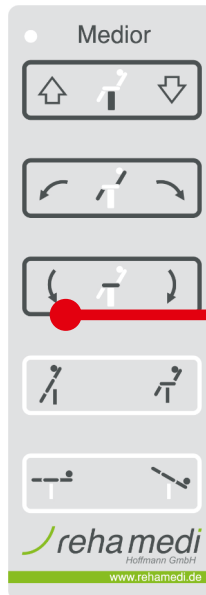
3. securing the patient

To initiate the next mobilisation step, the patient must be secured as needed.

To stabilise the body axis hip - ankle, we recommend placing the positioning pad between the patient's lower legs (see Fig. 4). The pad is filled with micro-beads and adapts to the patient's lower legs.

Now secure the lower legs below the knee joint with the leg strap. To do this, guide the adjustable parts of the padded leg strap through the two stirrups on the left and right of the front of the seat surface and close the strap lock over the positioning pad. The patient's heels close with the footrest.

The patient's upper body is secured with the chest belt for torso stabilisation. The two internal pads provide the patient with lateral stability and improve patient orientation by providing additional sensing information. The belt provides security for the patient without interfering with the lifting and lowering of the chest.



To prepare for verticalisation, the seat surface is tilted forward to the maximum. The position of the backrest is based on the patient's state of consciousness.



Fig. 4: Securing the patient

4. verticalisation of the patient

With the programme button "standing position" (see Fig. 5) the patient can be mobilised steplessly from the sitting position to the standing position. For this purpose, the user should stand in front of the patient and help the patient to stand up, for example by supporting the patient's shoulders (see Fig. 34). In this way, the patient develops a pleasant feeling of safety. The verticalisation is additionally supported by light pressure of the patient's own legs against the patient's legs.

Hint:

To secure restless patients in the sitting position, the seat can be tilted slightly backwards and the patient can also be stabilised with the pelvic belt.

Hint:

In an emergency, it is also possible to move the patient immediately to a head-down position of 10° (shock position) (fig. 6).

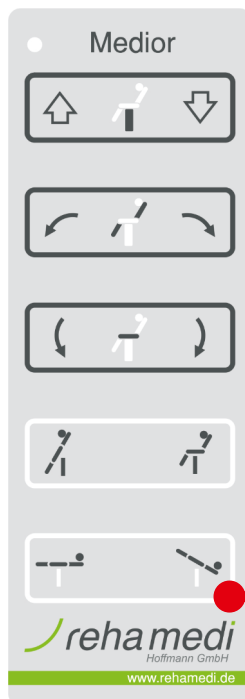
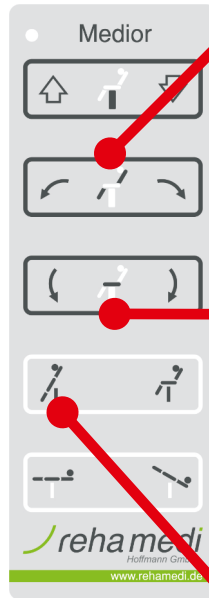


Abb. 6:
Kopftieflage

Until the patient is upright, the original inclination of the backrest does not change. After verticalisation, adjust the backrest and seat inclination so that it best corresponds to the physiologically correct posture of the patient.

For additional relief of the patient, you can lock the armrests in the upright position and also use the therapy table in the standing position. Especially during weaning, resting the arms supports the respiratory support muscles. To prevent skin lesions, we recommend padding the table support with the soft U-Pad.



Inclination of the backrest



Inclination of the seat



Programme button standing position

Hint:

Standing can be very strenuous for patients at first. We recommend not to extend the standing position of the patient for more than five minutes at the beginning of mobilisation measures with the Mobilizer Medior.

Mobilisation can be interrupted or terminated at any time. To do this, you have the option of moving the patient to the lying position with the "Lie down" programme button or pressing the CPR switch located on both sides at foot level.

You can also control Mobilizer Medior with the function buttons for tilting the seat and backrest into a sitting or cardiac bed position. This is more comfortable especially for patients with perception and orientation problems.





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designed, developed
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Gefördert aus Mitteln
der Europäischen Union

Europa fördert Sachsen.



Europäischer Fonds für
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