User manual

MANUEL D'UTILISATION
GEBRUIKSAANWIJZING
GEBRAUCHSANWEISUNG
MANUALE DI ISTRUZIONI
MANUAL DE INSTRUCCIONES
INSTRUKCJA OBSŁUGI
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VERMEIREN

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Contents

Preface **4**

1. Your product **6**

1.1. Options 7

2. Before use **7**

2.1. Intended use and indications 7
2.2. Safety instructions and applicable risks 8
2.3. Symbols on the nursing bed 9

3. Using your bed **10**

3.1. Assembly/disassembly, transport and storage 10
3.2. Installation 11
3.3. Using the handset 11
3.4. Operating the brakes 12
3.5. Operating the side rails 13
3.6. Adjusting leg section manually 14
3.7. Moving to/from the bed 15

4. Maintenance **16**

4.1. Time of maintenance 16
4.2. Maintenance instructions 17
4.3. Troubleshooting 18
4.4. Expected lifespan 18
4.5. Reuse 18
4.6. End of use 19
4.7. Warranty 19

5. Technical specifications **19**

Preface

Congratulations! You are now owner of a Vermeiren nursing bed!

This nursing bed is made by qualified and committed personnel. It is designed and produced according to high quality standards guarded by Vermeiren.

Thank you for your trust in the products of Vermeiren. To support you on the use of this bed and its operating options, this manual is offered. Please read it carefully; it will help you to get familiar with the operation, capabilities and limitations of your bed.

If you still have questions after reading this manual, do not hesitate to contact your specialist dealer. He/she will be glad to help you.

Important note

To ensure your safety, and to prolong the lifetime of your product, please take good care of it and have it checked and serviced on a regular basis.

This manual reflects the latest product developments. Vermeiren has the right to implement changes to this type of product without any obligation to adapt or replace similar products previously delivered.

Pictures of the product are used to clarify the instructions. Details of the depicted product may deviate from your product.

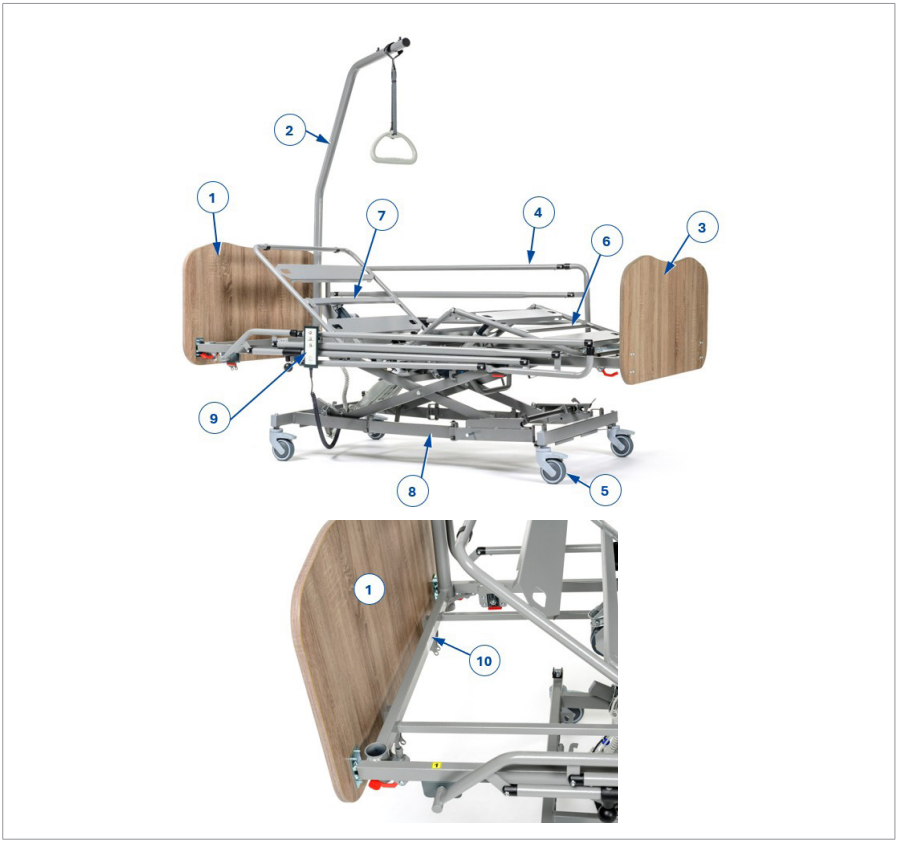
Information available

On our website http://www.vermeiren.com/ you will always find the most recent version of the information in this manual. Please consult this website regularly for possible updates.

Visually impaired people can download the electronic version of this manual and have it read out by means of a text-to-speech software application.

	User manual For user and specialist dealer
	Installation instructions For specialist dealer
	Service manual for beds For specialist dealer
	EC declaration of conformity

1. Your product



1. Head panel
2. Lifting pole / Trapeze handle
3. Foot panel
4. Side rail
5. Castor wheel with brake
6. Foot section
7. Head section
8. Undercarriage
9. Handset
10. Identification plate

1.1. Options

Contact your specialist dealer about options. He will gladly advise you.

2. Before use

2.1. Intended use and indications

In this paragraph a brief description of the intended use of your product is given. Additionally, relevant warnings are added to the instructions in the other paragraphs. In this way we would like to make you aware of the possible misuse that may appear.

- This product is a medical device.
- Indications and contraindications: The bed can be operated by the user, or by a caretaker. The nursing bed is suitable for a wide range of user profiles because of its range of functionalities. The high-low function ensures that caretakers can ergonomically treat patients. This function, combined with the self raising aid, is also intended for users who lack bodily strength and who need some support getting into or out of the bed. The side rails prevent restless sleepers from falling out of the bed. The bed functions for body position alterations can assist in the prevention of pressure ulcers for users who spend prolonged amounts of time in the bed.
- In some cases, users who are going through a revalidation process or users suffering form specific disorders should not use certain body position functions of the bed. Caretakers have the ability to lock specific functions on the handset in such cases.
- This nursing bed is classified as a Class II electrical product and is suitable for indoor use only.
- This nursing bed is designed and produced solely as resting place, to support one **(1)** person with a maximum weight of 135 kg.
- The nursing bed is designed for home-care use according to IEC 60601-2-52, application environment 4.
- This bed is designed for mattress dimensions as specified in chapter 5.. The bed can only be used with specialty mattresses, mattress overlays, or mattresses with deviating dimensions after an additional safety risk assessment has been done by a competent person.
- Only use accessories and spare parts approved by Vermeiren.

- The warranty on this product is based on normal use and maintenance as described in this manual. Damage to your product caused by improper use or lack of maintenance will cause the warranty to lapse.

2.2. Safety instructions and applicable risks

⚠ WARNING

Risk of injuries and damage

- Do not make any modifications to the bed without the approval of the manufacturer.

⚠ CAUTION

Risk of injuries and/or damage

- Follow the instructions in this manual and observe the safety directives. If not, you or bystanders may get injured, or your nursing bed may get damaged.

Keep the following general warnings in mind during use:

- Use the bed only on flat, level, solid floors with all four wheels touching the ground.
- When the patient is left unattended in the bed, leave the bed in the lowest possible position and/or raise the side rails.
- Do not exceed the maximum load as stated in chapter 5..
- Do NOT use the bed as a means of transport, ladder, or storage for heavy or hot objects.
- The manufacturer is not liable for damage caused by the lack of or improper service, or as a result of not following instructions from this manual.
- Your bed has been tested on electromagnetic compatibility and complies to the standard. Despite this compatibility is it possible that the operation performance is influenced by electromagnetic fields like those of cell phones, power generators of high power energy sources.
- It is possible that the electronics of the bed influences other electronic devices. For this reason, it is advised to check your bed on damage or wear, see chapter 4..
- Do not add any mechanical or electrical devices to the bed.
- Make sure that during the operation of the bed, no objects or cables get entrapped between the moving parts of the bed. Make sure that the power supply cord does not get damaged by moving parts or sharp edges, or by being squished under the wheels.

- If the packaging of your product has been damaged, (unintentionally) opened, or affected by environmental conditions (moisture, heat,...) upon delivery, check the device integrity of your product. When in doubt, contact your specialist dealer.

Any serious incident [MDR (EU) 2017/745 §2 **(65)**] that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

2.3. Symbols on the nursing bed

	Maximum weight of the user in kg
	Safe working load
	Maximum mattress thickness (in mm)
	Mattress dimensions (in cm)
TYPE	Type designation
REF	Catalogue number
SN	Serial number
MD	Medical device
CE	Declaration of conformity
	Manufacturer

	Date of manufacture
	Attention: important information
	Risk of entrapment
	It is advised to read the manual
	For electric devices only: Protection class II

3. Using your bed

3.1. Assembly/disassembly, transport and storage

The bed will be assembled by your specialist dealer according to the instructions in the installation manual.

For transport, all parts are collected on the integrated transport trolley. Attach the transport trolley and bed parts firmly to the vehicle, so they won't move during transport.

If not in use, store the bed at a dry location, see chapter 5. for the details.

3.2. Installation

⚠ CAUTION

Risk of injuries and damage

- Make sure that the bed is moved without any person in it.
- Do not lift the bed once it is mounted.

1. If not yet assembled, assemble the bed according to the instructions in the installation manual.
2. If the bed is in use, make sure that all covers and sheets are within the side rails.
3. Unplug the power cable from the socket and place the cable end on the bed.
4. Release all brakes of the castor wheels, see **§3.4.**.
5. Roll the empty bed in place.
6. When in position, apply the four brakes, see **§3.4.**.
7. Connect the power cable of the bed to the 220/230V AC power socket.

3.3. Using the handset

⚠ CAUTION

Risk of injuries

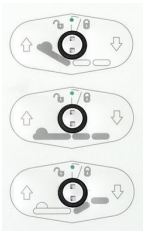
- To ensure safe operation of the bed, changing the operation mode using the key is ONLY allowed by authorised medical personnel.

The bed is delivered with a handset to operate the moveable parts of the bed. The handset has two operation modes: normal patient operation, and operation by authorized and trained medical staff. In the latter operation mode, the handset is only accessible by a key to be operated by trained medical personnel.

3.3.1. Use by the patient

ⓘ Some of the buttons might not respond when you press them. If this is the case, they are locked to be used only by medical staff according to your medical condition.

The following buttons can be used on the handset. Press and hold one of the buttons until the desired position is reached. To stop the movement, release the button.

	Back section UP / DOWN
	Mattress support UP / DOWN
	Leg section UP / DOWN

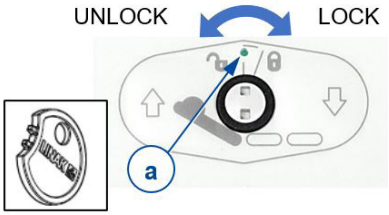
3.3.2. Lock function (for medical personnel only)

To prevent unintentional movements by the patient, buttons on the handset can be locked using a key.

To lock/unlock, the small dial between two buttons needs to be turned with help of the key.

Indicator (a) in the middle of the key turns

- green when the button is unlocked;
- yellow when the button is locked.



3.4. Operating the brakes

⚠ CAUTION

Risk of injuries

- All four castor wheels must be locked before using the nursing bed. If only one brake is applied, the bed can still move.

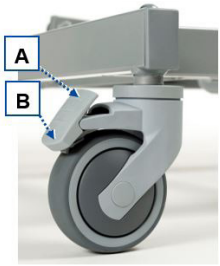
The brakes on all castors can be locked to prevent involuntary rolling.

3.4.1. Releasing the brakes (A)

Use your foot to press the top of the brake lever backwards.

3.4.2. Activating the brakes (B)

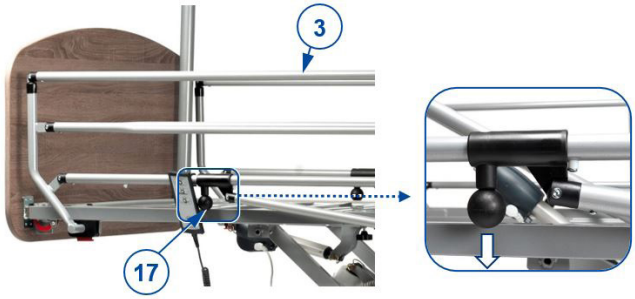
Use your foot to press the brake lever down towards the castor wheel.



3.5. Operating the side rails

3.5.1. Metal side rails

- Fold the side rail **(3)**: pull the black, spherical knob **(17)** to unlock the side rail and fold the rail down.
- Unfold the side rail **(3)**: pull the rail up until it is locked.



3.6. Adjusting leg section manually

⚠ CAUTION

Risk of injury by entrapment or damage to the bed

- Make sure that no bystanders or objects get trapped between the moving parts.
- Only use strap **(12)** at the foot end to adjust the height of the leg section.

3.6.1. Raising legs/feet

1. To adjust the height of feet and legs, grip the strap at the food end of the bed.
2. Pull the strap up to raise the leg section of the mattress support to the desired height. When you stop pulling, the system stays locked at a notch of rastomat **(18)**.

3.6.2. Lowering legs/feet

1. To lower, pull the strap to the highest position to unlock rastomat **(18)**.
2. Hold the strap and move the leg section slowly down.

3.7. Moving to/from the bed

⚠ CAUTION

Risk of falling

- In case you cannot perform the transfer in a safe manner, ask someone to assist you.

3.7.1. Going to bed

1. Check whether the brakes of the castor wheels are applied, see **§3.4.**.
2. Adjust the height of the bed with the handset, see **§3.3.**.
3. Lower the side rail, see **§3.5.**.
4. Position yourself as close as possible to the side of the bed.
5. Transfer to the bed. Use the lifting pole with trapeze handle to help move yourself on the bed.
6. Raise the side rail, see **§3.5.**.

3.7.2. Getting up from the bed

1. Using the handset, adjust the bed to the easiest position for transfer out of the bed:
   - Lower the lower leg section, see **§3.3.** or **§3.6.**.
   - Lower the side rail, see **§3.5.**.
   - Adjust the height of the bed to a low position with the handset; see **§3.3.**.
2. Turn yourself to sitting position with your legs outside the bed. Use the lifting pole with trapeze handle to help move yourself from the bed.

4. Maintenance

Your nursing bed requires minimum maintenance, but it is advisable to inspect the nursing bed regularly in order to keep it trouble-free for years.

4.1. Time of maintenance

⚠ CAUTION

Risk of injuries and damage

- Repairs and replacements may only be undertaken by trained persons and only genuine replacement parts of Vermeiren should be used.

ⓘ The last page of this manual contains a registration form for the specialist dealer to record each service.
The service frequency depends on the frequency and intensity of use. Contact your dealer to agree to a common timetable for inspection/maintenance/repair.
To find a service facility or specialist dealer near you, contact the nearest Vermeiren company division.

4.1.1. Once a year / for every new user

This nursing bed needs to be serviced and disinfected before passing on to a new user, but at least once a year. Contact your specialist dealer for more information.

4.1.2. Every month

Visually inspect the following points regularly:

- Castor wheels: free of wires, hair, sand and carpet fibres.
- Brakes: functioning well. If the bed can be moved while the brakes are applied, you should check wheels and brakes for wear, damage or contamination like oil, water ...
- Handset, motors, connection points and cables: no damage such as wires that have become frayed, broken or exposed.
- All parts: Present and undamaged or unworn.

Contact your specialist dealer for possible repairs or part replacements.

4.1.3. If stored

Make sure that the bed is stored dry to prevent mould or rust, see details in chapter 5..

4.2. Maintenance instructions

4.2.1. Cleaning

⚠ CAUTION

Risk of damage by moisture

- Keep handset, motors and connection points clean and protect them from moisture.
- Keep the operating console clean and protect it from water and rain.
- Never use a hose or high-pressure cleaner to clean the bed.

Wipe all rigid parts of the bed with a damp cloth (not drenched). If necessary, use a mild soap, suitable for varnishes and synthetics.

The upholstery can be cleaned with lukewarm water and a mild soap. Do not use abrasive cleaning agents to clean.

4.2.2. Disinfection

⚠ CAUTION

Risk of damage

- Disinfections may only be undertaken by trained persons. Consult your specialist dealer.

Use a soft, damp cloth and lukewarm water with a mild household disinfectant to clean the bed.

4.3. Troubleshooting

Even if you use your nursing bed properly, a technical problem may occur. In this case, contact your local specialist dealer.

⚠ CAUTION

Risk of injuries and damage

- NEVER repair your nursing bed yourself attempting to solve the problem.

The following symptoms may indicate a serious problem. Therefore always contact your specialist dealer if you spot any of the following deviations:

- Strange sound;
- Frayed/damaged power cables;
- Cracked or broken connectors;
- Jerky movements of frame sections;
- Damaged or broken castor wheels;
- Nursing bed is powered, but the handset does not work.

4.4. Expected lifespan

The average lifespan of your bed is 5 years. Depending on the frequency of use and maintenance, the lifespan of your bed will increase or decrease.

4.5. Reuse

Before each reuse, have the bed disinfected, inspected and serviced according to the instructions in **§4.1.** and **§4.2.**.

4.6. End of use

At end of life, you need to dispose your nursing bed according to the local environmental legislation. The best way to do so, is to disassemble the nursing bed to facilitate the transport of recyclable parts.

4.7. Warranty

The warranty on this product is subject to the general terms and conditions of each country.

5. Technical specifications

The technical details below are only valid for this nursing bed, at standard settings and optimal ambient conditions. Take these details into account during use. The values are no longer applicable if your nursing bed has been modified, damaged or suffers from severe wear.

Brand	**Vermeiren**
Product group	**Bed**
Type	**Izyco**
Description	**Dimensions**
Maximum occupant mass	135 kg
Overall length	2080 mm
Overall width	1024 mm
Overall height (without lifting pole)	783 mm - 1313 mm
Height adjustment of the bed surface	298 - 828 mm (without mattress)
Total mass	110 kg

Brand	**Vermeiren**
Product group	**Bed**
Type	**Izyco**
Description	**Dimensions**
Mass of removable parts Metal side rails Head panel Foot panel Lifting pole Head section Foot section Cross (incl. motor) Lower frame	 12,9 kg 7,5 kg 6,2 kg 5,9 kg 20,95 kg 21,6 kg 18,5 kg 16,45 kg
Max. backrest angle*	70°
Max. thigh angle*	36,8°
Max. lower leg angle*	-17,2°
Max. safe working load **	170 kg
Nominal load of lifting pole	75 kg
Mattress	Min. RG 35, thickness 120 mm, 2000 x 900 mm, max. 20 kg
Under clearance for patient lift	150 mm
Steering castors (4 pieces)	Ø 100 mm, can be locked
Undercarriage motor	Linak LA40, IPX6
Back section motor	Linak LA27, IPX6
Leg section motor	Linak LA27, IPX6
Handset	Linak HL7X045-01, IPX4
Transformer	Linak CA40, IPX6
Nominal voltage, transformer	U_{in}: 100 - 240 V AC, 50/60 Hz I_{in}: max. 2.5 A
Period switched on	10%, max. 2 min / 18min
Noise level	< 48 dB**(A)**
Class / Kind of protection	Protection class II, application part Type B / IPX4 (spray protection)
Storage and use temperature	+5°C - +41°C
Storage and use humidity	30% - 70%

We reserve the right to introduce technical changes. Measurement tolerance +- 15 mm / 1,5 kg / 1,5°
*** Measured according to IEC 60601-2-52, with a horizontal reference plane, possibly in combination with anti-Trendelenburg position**
**** Max. safe working load = mass user weight + mass mattress + mass other accessories**

Service registration form

This product (name): ……..

was inspected (I), serviced (S), repaired (R) or disinfected (D):

By (stamp): Kind of work: I / S / R / D Date:	By (stamp): Kind of work: I / S / R / D Date:	By (stamp): Kind of work: I / S / R / D Date:
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we care **for you**