



JYSK HANDI

Specialized beds for unique needs since 1990

HS Care Bed

**Model 800, 801, 810, 811
900, 901, 910, 911**

User Guide (EN)

Rev.06 – September 2024



Model 801



Model 901

The User Guide can be downloaded at www.jyskhandi.dk



HS Care Bed 800 & 900



User Guide

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1. Introduction

1.1. General

To get the most out of your HS Care Bed, read the entire User Guide and keep it in a place where it is accessible to all individuals who will be handling and using the product. The User Guide can also be downloaded from the product page on our website: www.jyskhandi.dk.

Please note that there may be sections in this User Guide that are not relevant for all products in the series.

All references to right and left in the Guide should be perceived as if you are lying on your back in the bed.



This icon appears in the User Guide to indicate important safety guidelines and information.



This icon signifies that the User Guide should be read carefully to ensure proper and safe use of the product.

1.2. Warranty

The bed is covered by a two-year warranty from the date of delivery, unless otherwise specified.

The warranty covers material and manufacturing defects.

Any defects arising during the warranty period must be reported immediately to the supplier, who will determine whether to repair, replace, or discard the bed.

THE WARRANTY DOES NOT COVER:

- Improper use of the bed.
- Overloading.
- Lack of maintenance or improper maintenance.
- Damage resulting from washing or cleaning that does not follow the manufacturer's instructions.
- Tampering with, or improper use of, electrical components.
- Normal wear and tear.
- Repairs made without prior agreement with the supplier or manufacturer, even within the warranty period.





1.3. Lifetime

The bed has an expected lifetime of 15 years if serviced once a year. The lifetime of the bed is affected by use, cleaning, maintenance, and adherence to the manufacturer's instructions. Replacing worn parts as needed, in accordance with the manufacturer's guidelines, also impacts the bed's lifespan.

Use of the bed beyond the manufacturer's expected lifetime requires an ongoing assessment of the quality and safety condition of the bed.

Personnel performing quality and safety assessments of the bed must be competent and trained in technical service and safety assessment of equipment according to the current version of the bed standard EN 60601-2-52 and have knowledge of the bed functions and safety rules.



Using beds that are not in proper condition of quality and safety can result in dangerous situations.

1.4. Competency requirements

Individuals performing risk assessment, installation, servicing, and maintenance must have relevant education, appropriate training, and thorough knowledge of the bed's functions and the safety rules in this manual.





2. Intended use

2.1. Area of application

The HS Care Bed is specifically designed to protect users with very vigorous and involuntary movements from being injured when getting in and out of bed as well as during rest and sleep in bed. These characteristics are often found in people suffering from Huntington's disease, people with various forms of brain damage, and people with dementia.

The HS Care Bed is designed for use in homes, institutions, and nursing homes. All models of the HS Care Bed have a centrally operated locking system. In addition to providing optimal safety when entering and exiting the bed, this reduces the risk of injury to caregivers.

Models 801/901, 810/910 and 811/911 allow caregivers to care for the user at the head and/or foot end.

The HS Care Bed is height-adjustable and features a four-part resting surface. HS Care Bed is equipped with a Combi-Tempraflex mattress in wound category 2.

According to the EN 60601-2-52 standard for hospital and care beds, the intended environments for use of the bed are as follows:

APPLICATION ENVIRONMENT 3. (201.3.203)

Long-term care in a medical area where monitoring and measurements can be performed with other medical equipment. This includes nursing homes, rehabilitation centers, and similar treatment centers.

APPLICATION ENVIRONMENT 4. (201.3.204)

Used for home/home care treatment where equipment is used to alleviate or compensate for an injury, disability, or disease.

2.2. Limitations

The HS Care Bed is intended for adults with a minimum BMI of 17, a height of at least 146 cm, and a minimum weight of 40 kg. For individuals with atypical anatomy, an individual risk assessment should be conducted before using the HS Care Bed.



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2.3. Maximum load

SWL = Maximum load of the bed is specified in the table below.

Model	Maximum weight				
	SWL, kg	User kg	Mattress kg	Accessories kg	Upper part kg
HS 800	172	156	10	6	64
HS 801	168	152	10	6	67
HS 810	168	152	10	6	67
HS 811	165	149	10	6	70
HS 900	176	157	13	6	74
HS 901	173	154	13	6	77
HS 910	173	154	13	6	77
HS 911	170	151	13	6	80

2.4. Model selection

When selecting a bed model, in addition to the intended use and limitations of the bed, the user's build, posture, and movements should be taken into account. Be aware that some users are very hunched over or need extra duvets, pillows etc. in the bed. These users may need a wider bed than their weight or build would suggest.

2.5. Placement



The bed must be positioned to ensure that the height adjustment (up/down) is not obstructed by lifting devices, furniture, or other objects. Failure to do so may result in personal injury or damage to equipment.





3. Before using the bed

Carefully read the user guide before using the bed.

The user guide contains important safety rules and areas to be aware of.



Improper use of the bed can lead to dangerous situations.



Staff must read the instructions for use or be instructed and trained in correct use of the bed.



Staff must ALWAYS risk assess whether the user can use the bed correctly and safely.



Individuals with physical or mental limitations should not use the bed's electrical functions unsupervised, unless authorised by staff and thoroughly trained.



Users and relatives must read the instructions for use or be instructed by staff in proper and safe use of the bed and its functions.



Before using the bed, follow the guidelines below.

3.1. Receiving the bed

The bed is delivered fully assembled and ready to use from the supplier.

Make sure to check the entire delivery before signing the receipt.

If there is any doubt about whether there is damage to the delivery, it must be received with reservations on the receipt.

When receiving the bed, ensure that all parts ordered are free of defects.

Contact the retailer or manufacturer if the packaging or product is damaged, has other visible signs of defects and deficiencies, or if the bed does not work. Damage that has occurred during transportation must be reported immediately upon delivery.





3.2. Risk assessment of bed and its accessories

The combination of the bed, mattress, mattress topper, side rails, and other accessories determines the bed's safety for the user. The EN 60601-2-52 standard outlines essential requirements for the safe combination of the bed and its accessories.

BED IN COMBINATION WITH MANUFACTURER'S ACCESSORIES

The bed and its accessories from the manufacturer are approved and have undergone risk assessment in accordance with the EN 60601-2-52 bed standard. It is the responsibility of the staff to ensure that the bed and accessories are assembled and used according to the manufacturer's instructions. Pay extra attention to correct assembly of the bed, mattress, and side rails.



Improper use of the bed and its manufacturer-approved accessories may pose a risk. Please read the instructions carefully.



ALWAYS perform an overall assessment of the bed and its accessories before using the bed.

BED IN COMBINATION WITH THIRD-PARTY ACCESSORIES

Combining the bed with accessories or mattresses other than those recommended is done at the staff's own risk. The relevant public authority is responsible for assessing the risk and ensuring that all requirements are met.



Third-party accessories and mattresses that are not adapted to the bed or approved by the manufacturer may pose a risk. A risk assessment must ALWAYS be performed.



Staff conducting risk assessments of beds and accessories MUST be competent in testing and risk assessment requirements in accordance with the EN 60601-2-52 bed standard.





4. General safety warnings

This section outlines general hazards associated with using the bed and provides instructions on how to avoid them. For safety rules related to specific aspects of the bed and its use, refer to the respective sections of this user guide.

4.1. Crushing hazard



Make sure no one gets trapped when operating the bed. There is a risk of crushing between the moving parts of the bed.



Always look at the bed while using the remote control.



Take special care when lowering the bed from the raised position. Never crawl under the bed.



Be attentive to the risk of crushing when unintentionally activating function buttons, pedals, bed rails, etc.

4.2. Risk of falling



Never leave the bed in the highest position with the user in it. Lower it to the lowest position to minimize the fall height and reduce the risk of injury.



Adjust the height of the bed for the user before the user exits the bed, to give the user secure footing and reduce the risk of falling.



Always lock the wheels after transport.



Pay attention to power and remote control cords. They can pose a tripping hazard.





4.3. Risk of toppling over



Do not transport the bed in the highest position as this increases the risk of the bed toppling over.



Take special care when transporting the bed on sloping or uneven surfaces as this increases the risk of the bed toppling over or parts of the bed being damaged.



Adhere to the maximum allowable loads (SWL) of the bed.

4.4. Electrical safety



The electrical equipment of the bed must NOT be modified.



The bed may only be connected to a 230VAC power supply.



Portable and mobile radio frequency (RF) communication equipment can affect medical electrical equipment.
Avoid using RF equipment near the bed if it interferes with its operation.



Follow the manufacturer's instructions regarding EMC.



Ensure that the bed and any other electrical equipment do not interfere with each other and operate as intended, especially if using other electrical devices in or near the bed.



Use of accessories, power supplies or cables other than those specified by the manufacturer may result in non-compliance with CE approval, increased emissions, or alteration of electrical safety.



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When using other electrical equipment in or near the bed, make sure that wires etc. are not caught or pinched when changing the bed settings.



When not in use, hang the remote control on the bed to prevent it from being damaged by knocks or bumps, dropped, or caught in moving parts.



Also ensure that the remote control wires do not get caught or pinched. Make sure all electrical cords, power supply, and connections are free of bends, cracks, or other mechanical damage.



Do not roll the bed over cables or wires.

4.5. Composition of the bed and its accessories



Improper use of the bed and its manufacturer-approved accessories may pose a risk. Please read the instructions for use.



ALWAYS perform an overall assessment of the bed and its accessories before the bed is utilised by the user.



Third-party accessories and mattresses that are not adapted to the bed or its manufacturer-approved accessories may pose a risk and are used at your own risk. Risk assessments must **ALWAYS** be performed.



Individuals performing risk assessments of beds and accessories **MUST** be competent in testing and risk assessment requirements according to the EN 60601-2-52 bed standard.





4.6. Use and operation



Read the User Guide and follow the instructions carefully.



Always perform a risk assessment of the user's mental and physical condition and abilities in relation to the bed's functions and capabilities.



Staff must **ALWAYS** make a risk assessment of whether the user can use the bed correctly and safely.



Each bed function may only be used by users who, according to staff assessment, are capable of handling them.



Leave the remote control only with people who know how to use it.



Be careful not to touch the actuators during use and cleaning. The actuators can get hot during prolonged use.
Adhere to the bed's maximum durations for activation and pauses.
Operating frequency (10%): Max. two minutes ON/ 18 minutes OFF.



Individuals who are considered suicidal should not use the bed without **CONSTANT** supervision. Wires and other parts of the bed can be used to harm themselves.



Always leave the bed in the lowest position, reducing any impact resulting from a potential fall. This also prevents crushing if the bed is accidentally lowered.



Serious injury can occur to a person positioned under the bed while adjusting its height.



To avoid accidents, the brake must always be activated when the patient enters and exits the bed, and when the patient is handled.



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The bed must be positioned so that the height adjustment (up/down) is not obstructed by items such as lifting devices or furniture. Failure to do so may pose a risk of injury or equipment damage.



Jysk Handi accepts no liability if the product is used, altered, or assembled in any way other than as stated in this User Guide.



Individuals with physical or mental limitations should not use the bed's electrical functions unsupervised, unless authorised by staff and thoroughly trained.





5. Functions and use

5.1. General description

The HS Care Beds are a range of padded care beds for people with Huntington's disease and other patients with the same need for protection while resting and sleeping.

The beds are designed and intended for severely restless users with uncontrolled and involuntary movements. They include people suffering from Huntington's disease (HD) and individuals with various types of brain damage and dementia with the same need for protection while resting and sleeping.

The bed consists of a wheel section, brakes and directional control, a lifting section, a surface, a built-in extension of the bed's surface at both the head and leg end, a control box, and a remote control.



The bed's four-part surface is divided into back, seat, thigh, and foot sections.

The bed's stepless movements are controlled by actuators (motors) located under the surface of the bed.

The foot end can be lowered below horizontal level.

The bed's functions are operated using a remote control.

The bed's electrical functions can be activated for a maximum of two minutes, followed by an 18-minute break.









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5.1.1. Bed models



Model 800	Model 801
	
Fixed headboard, fixed footboard	Fixed headboard, hinged footboard
Art. No.: 17 08 00	Art. No.: 17 08 01
HMI No.: 63 499	HMI No.: 72 986
Model 810	Model 811
	
Fixed footboard, hinged headboard	Hinged headboard and footboard
Art. No.: 17 08 10	Art. No.: 17 08 11
HMI No.: 85 532	HMI No.: 85 533
Model 900	Model 901
	
Fixed headboard, fixed footboard	Fixed headboard, hinged footboard
Art. No.: 17 09 00	Art. No.: 17 09 01
HMI No.: 130 281	HMI No.: 134 185



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Model 910	Model 911
	
Fixed headboard, hinged footboard	Fixed headboard and footboard
Art. No.: 17 09 10	Art. No.: 17 09 11
HMI No.: 134 188	HMI No.: 134 190

5.1.2 Identification

HS Care Bed is provided with the following product label containing all relevant information about the product.

 Produkt: HS Plejeseng Model: 901EW Vare nr.: 17 09 01 HMI nr.: 134 185 S/N: _____ Produktionsdato: _____	JYSK HANDI  Jysk Handi Hornbjergvej 11 DK 8543 Hornslet Tel: +45 86 99 65 00 www.jyskhandi.dk
	  = 173 kg  = 154 kg Max madrasvægt = 13 kg Max tilbehør = 6 kg



Product label

The product label is located under the upholstery in the headboard.

Weight label

A new weight label, such as this one, is applied to the bottom of the bed:

Denne seng er specialtilpasset af JYSK HANDI 	
HS Plejeseng Model 901EW	
SWL/Max last	= 173 kg
Personvægt	= 154 kg
Max madrasvægt	= 13 kg
Max vægt tilbehør	= 6 kg





5.2. Padded upper part

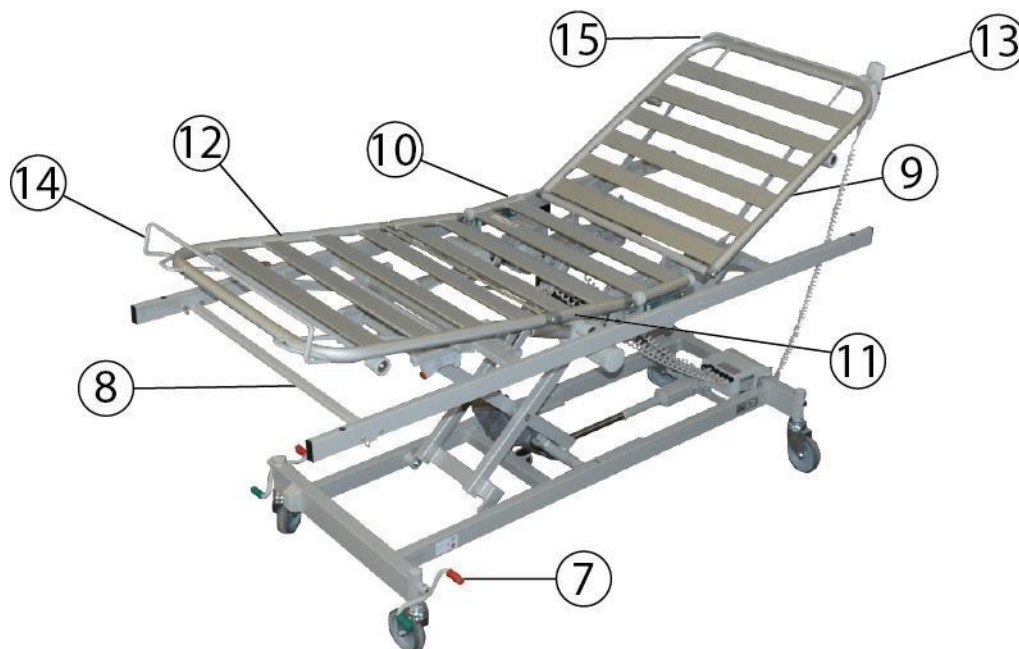


1. Hinged/fixed headboard
2. Bed side
3. Rubber protection for base frame
4. Headboard lock
5. Lock for headboard lock
6. Lock rail
7. Mattress
8. Remote control





5.3. Bed base



- 7. Brake pedal
- 8. Leg section limiter
- 9. Backrest
- 10. Seat section
- 11. Thigh section
- 12. Leg section
- 13. Remote control
- 14. Mattress bracket
- 15. Mattress extender





5.4. Combi mattress with incontinence cover

5.3.1. Product description



Tempraflex combi mattress with incontinence cover.

A mattress with optimal comfort.

The mattress consists of two layers:

- TOP: 7 cm Tempraflex foam (light yellow)
- BOTTOM: 6 cm fire retardant polyether foam (white)

The incontinence cover prevents the penetration of bodily fluids, such as urine, feces, vomit, blood, etc. The cover can be washed at 95 degrees and tumble dried.

Zipper on three sides - mid height.

Wound category: 2

5.4.2. Product use

The Tempraflex combi mattress is designed to distribute pressure evenly and prevent pressure ulcers in bedridden users. Additionally, Tempraflex helps to cushion and reduce the impact of involuntary movements.

5.4.3. Product application

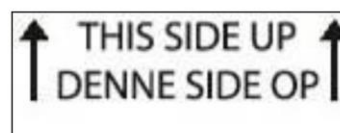
The mattress can be used directly on a multi-section bed frame, on a slatted base, or similar.





5.4.4. Placement of labels

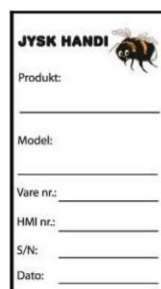
At the blue arrow is the logo, mark, and directional mark indicating that the white Tempraflex foam should face upwards.



Inside the red arrow is an ID mark for customised equipment or a manufacturer label or a product label and wash label.



Manufacturer label



Product label



Wash label

5.4.5. Cleaning the incontinence cover

- Unzip the cover and pull it off the foam.
- Wash the cover at 95° C in a washing machine.
- Hang to dry or tumble dry; the cover withstands high heat.
- The cover cannot be bleached or ironed.



Never use acids, alkalis, or solvents on the mattress and cover.



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5.4.6. Cleaning the mattress, foam, and plate

For slight superficial seepage of body fluids through the zipper, the mattress can be cleaned with warm water.



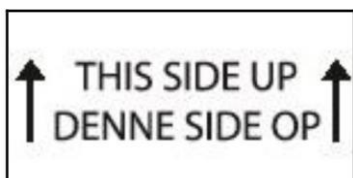
In the event of excessive leakage of body fluids (blood, urine, feces, vomit, etc.) it is recommended that the mattress is disposed of.



Local hygiene guidelines must always be adhered to.
Always contact your hygiene specialist in case of contamination.

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5.4.7. Fitting the incontinence cover



The label "THIS SIDE UP" on the cover indicates that the white Tempraflex foam should face upwards.

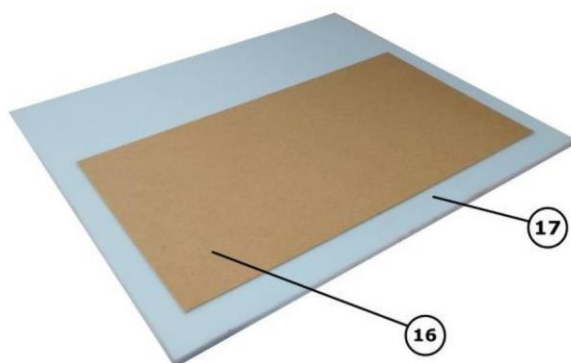
Attach the cover and close the zip.

The mattress is then placed in the bed with the "THIS SIDE UP" label facing up.

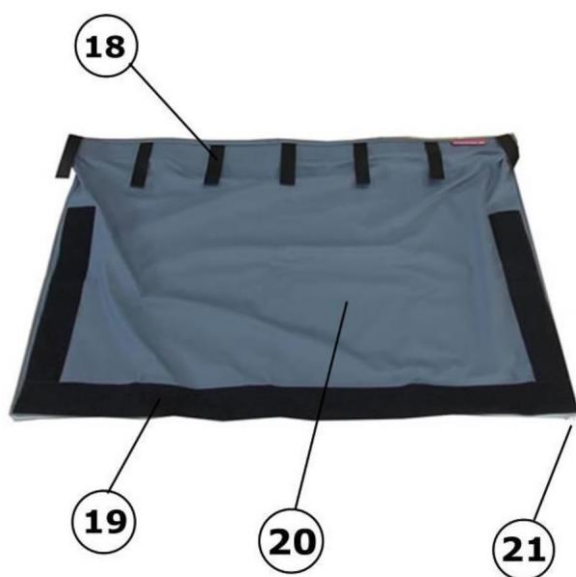




5.5. Foam and plate



- 16. Masonite plate
- 17. Cell foam



5.6. Cover

- 18. Straps
- 19. Velcro
- 20. Backside
- 21. Zipper

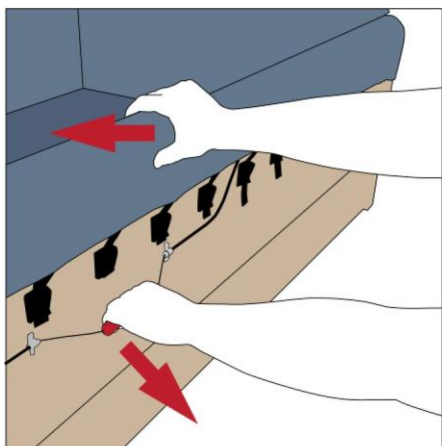




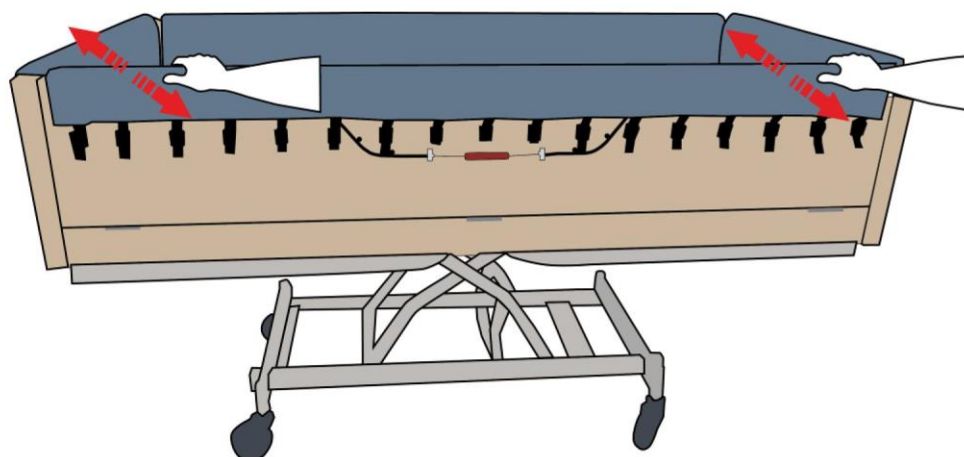
5.7. Operation of bed sides, headboards, and footboards

5.7.1. Opening the bed sides

Place one hand on the bed side and press lightly against the bed. Then pull the red handle with the other hand. The bed side can now be opened.



5.7.2. Closing the bed sides



The bed side can be closed or slammed shut using one hand.
Pull/push the bed side at each end to check that it is closed and locked correctly.



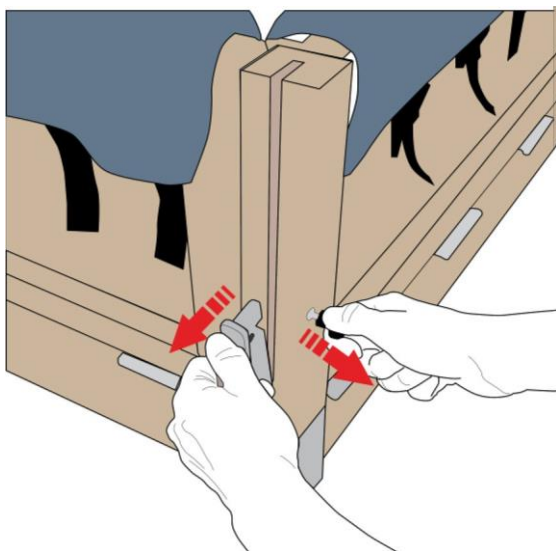
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5.7.3. Opening and closing hinged headboards/footboards

Applies to models 801, 810, 811, 901, 910 and 911



Pull out the black lock while pulling the headboard/footboard lock outwards from the guiding groove. Let it hang down freely.

Do this on both sides and the headboard/footboard can now be opened.








5.8. Attaching and removing padding

If you need to replace the padding, it is easy to remove.

5.8.1 Removing the padding

	<p>1</p> <p>On the front of the bed sides are a row of clamp buckles.</p>
	<p>2</p> <p>Pull the black strap outwards to release the clamp buckle and pull the strap upwards.</p>
	<p>3</p> <p>Loosen all straps.</p>





5.8.2 Fitting the cover

	<p>1</p> <p>Bend the foam slightly at the top corner to ease insertion into the cover.</p>
	<p>2</p> <p>Carefully pull the cover over the foam and make sure there are no creases. Close the zipper.</p>
	<p>3</p> <p>Attach the padding at the bottom of the Velcro edge and pull it upwards so the edges of the Velcro fit together.</p>

5.8.3 Fitting the padding

	<p>1</p> <p>Pull the straps through the clamp buckles, tilt them downwards, and the strap locks.</p>
--	--





5.9. Operation of wheels, brakes, and directional control

The bed is equipped with wheels, directional control, and a central braking system that can be operated on both sides of the bed. When a pedal is activated, all wheels respond.

When the bed is placed in the desired location, the brakes should always be on.

5.9.1. Operating wheels with central brake on HS 800 models

		<p>The wheels are unlocked: when the green pedal is down.</p> <p>The wheels are locked: when the red pedal is down.</p>
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5.9.2. Operating wheels with central brake on HS 900 models

	<p>The wheels are unlocked: when the brake lever is horizontal. The wheels can turn freely in all directions.</p>
	<p>The wheels are locked: when the red pedal is down.</p>
	<p>Directional control is active: when the green pedal is fully down.</p>





Under certain conditions, the wheels of the bed can leave marks on certain types of flooring, such as untreated or poor quality wooden floors. If in doubt, Jysk Handi recommends placing a protective sheet between the wheels and the floor.



To avoid accidents when user is entering and exiting the bed, or being handled, the brake should always be activated when there is no need to move the bed.

5.10. Moving the bed

Unplug the power cord before moving the bed.

If the power outlet has a circuit breaker, turn it off first and unplug it.

Make sure all cables (power cord, remote control cables, or wires from other equipment) are not stuck or otherwise damaged during the move.

Put the wheels in neutral or directional control when moving the bed.



Do not transport the bed in its highest position, as this increases the risk of the bed toppling over.



To avoid accidents, always reactivate the brakes once the bed has been moved.



Pay attention to the hanger and IV pole if these are installed.

If the bed is moved with a user in it, the user should be informed of what is going to happen to the extent that they are awake and able to receive the information.





5.11. Leg section limiter

The HS Care Bed is equipped with a leg part limiter, which prevents the leg part from being lowered.



If users need the leg section to be lowered, the leg section limiter can be removed by removing screws and lock nuts.



If the leg part limiter is removed: users with uncontrolled and involuntary movements may inadvertently become trapped between the mattress and bed frame, risking injury.

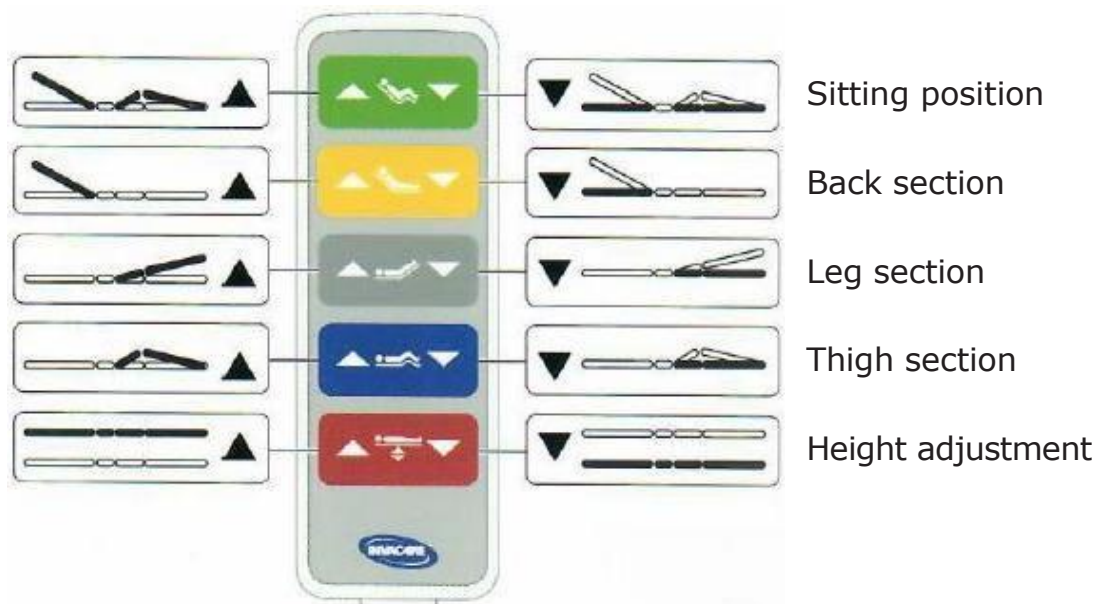




6. Remote control

6.1. Functions of remote control Model 800

The remote control is equipped with five buttons to operate the electrical functions of the bed:



Sitting position



1. Up: Press the left side of the button (▲)
2. Down: Press the right side of the button (▼)

Back part



1. Up: Press the left side of the button (▲)
2. Down: Press the right side of the button (▼)

Foot part



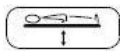
1. Up: Press the left side of the button (▲)
2. Down: Press the right side of the button (▼)

Thigh part



1. Up: Press the left side of the button (▲)
2. Down: Press the right side of the button (▼)

Height Setting



1. : Press the left side of the button (▲)
2. Down: Press the right side of the button (▼)

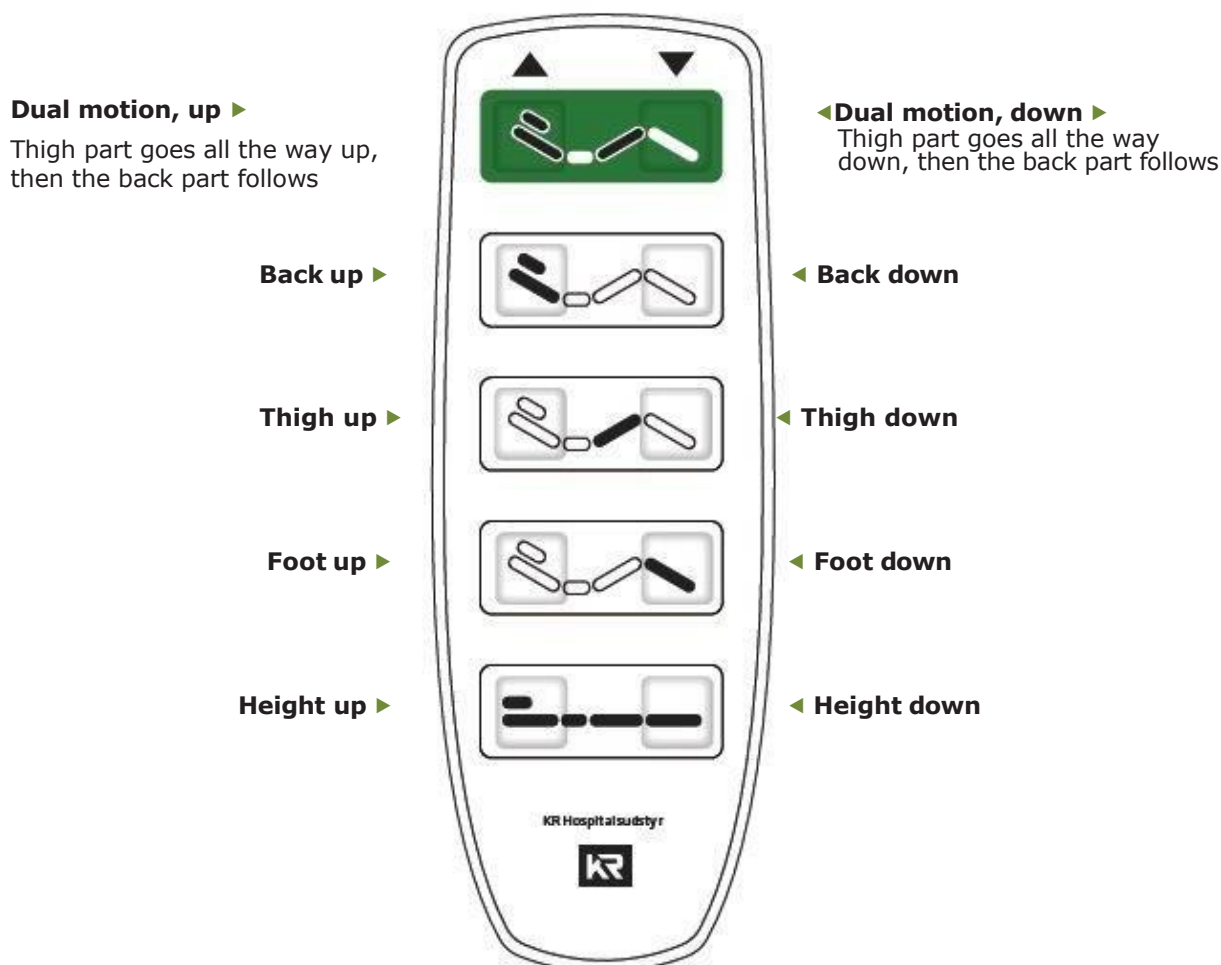




6.2. Functions of remote control Model 900

The bed comes with an electronic remote control.

The buttons on the remote control are tactile, making it easy to sense when a button is activated. The icons on the buttons illustrate the various functions of the bed. To prevent unintentional incidents, the hand control has a 'deadman function'. This means that all the bed's electrical functions automatically stop when the hand control buttons are released.



The user must ALWAYS be instructed in the functions and use of the bed.



When not in use, hang the remote control on the equipment hanger on the headboard to prevent it from being activated accidentally or falling down.





6.2.1. Reset in case of error

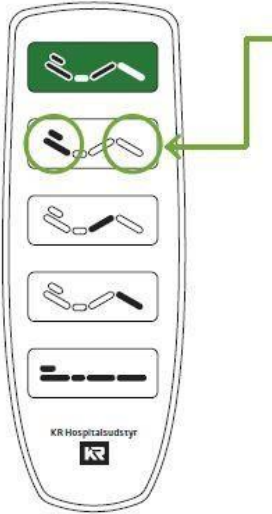

If the bed reports an error, it can be reset via the remote control.



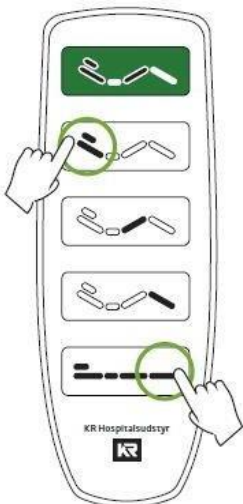
The bed must be connected to 230V, and an error must be registered for the reset function to work.



If the bed needs to be reset repeatedly, the bed should be inspected.

	<p>RESET GUIDE</p> <p>1. Press the second row of upper buttons on both sides simultaneously until you hear a continuous beep. Keep the buttons pressed until the beep stops after about 10 seconds.</p>  <p>2. The bed is now reset and ready to use again.</p>
--	--

6.2.2. Change of combined movement function

	<p>SWITCH BETWEEN COMBINED MOVEMENT AND STANDARD MOVEMENT</p> <p>Press 'back up' and 'height down' simultaneously to switch between combined and standard movement.</p> <p>Standard movement UP = Thigh part goes up first, followed by back part. DOWN = Back part goes down first, followed by thigh part.</p> <p>Combined movement UP = Thigh and back parts go up simultaneously. DOWN = Thigh and back parts go down simultaneously.</p>
---	--





7. Cleaning

To ensure that the HS Care Bed functions safely and optimally, regular maintenance and cleaning are necessary.

7.1. Safety information for cleaning



When cleaning the bed, follow the manufacturer's cleaning instructions.



Do NOT use cleaning methods other than those specified by the manufacturer, as this poses a high risk of damaging electrical components and other parts of the bed.



Prevent water from entering the electrical components and make sure that no water remains in pipe or plastic parts after cleaning.



If water is suspected to have entered the electrical parts, remove the power cord from the power outlet and thoroughly inspect all electrical parts before using the bed.



Do NOT clean the bed with a high-pressure cleaner.

7.2. Cleaning products

Regular cleaning products are used to clean the bed.



CLEANING PRODUCTS USED MUST NOT:

- Be highly alkaline.
- Contain corrosive ingredients.
- Change the surface structure of the bed or the adhesiveness of the plastic.
- Be fat degrading.

7.3. Manual cleaning in user's home

Manual cleaning of a bed used by the same person is typically done at the user's home. The following are wiped off with regular cleaning products and a wrung out damp cloth:

- Visible dirt and contamination.
- Surfaces in contact with the user, such as remote control, bed rails, and headboard.
- Surfaces that accumulate dust and dirt. Finish with a dry, clean cloth.





7.4. Manual cleaning before new user

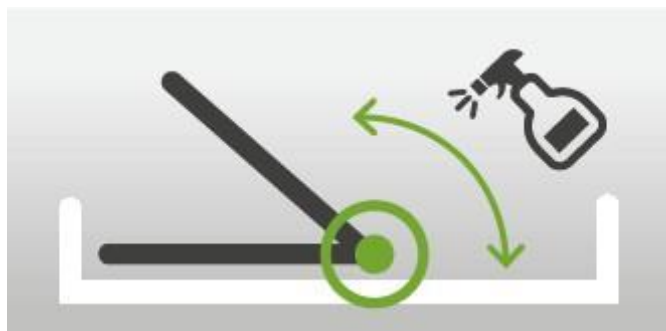
This type of cleaning can take place in the maintenance department, at the assistive device depot, or by caregivers, or healthcare professionals at the user's premises.

Cleaning is carried out to prevent infection from the previous user.



The bed should be lifted with a bed lifter to give caregivers better access to the lower structure of the bed.

The back section can be raised to allow for easier access to the bottom structure.



THE FOLLOWING SHOULD BE CLEANED:

- All surfaces (wheel section, lifting section, surface and headboard/footboard)
- Bed rails
- Remote control
- Wires
- Control box
- Plastic parts
- Wheels
- Mattress
- Other accessories



Be careful not to touch the actuators during use and cleaning. The actuators can get hot during prolonged use. Adhere to the bed's maximum durations for activation and pauses. Operating frequency (10%): Max. two minutes ON / 18 minutes OFF.



All electrical parts and mechanical functions are checked before using the bed.





7.5. Watertightness

The electrical parts of the bed are sealed according to IP26 Washable. The electrical parts of the bed are waterproof according to IPX6 Washable. See section 10: Symbols and labelling.

7.6. Disinfection

Disinfection of the bed must be done according to the principles for the use of disinfectants in the health sector.

Categorisation of active substances in chemical disinfectants for use in surface disinfection:

Medium antimicrobial effect ('intermediate level')	Alcohol	70-85% v/v ~ 63-80% w/w	Spills: Surfaces contaminated with vegetative bacteria, mycobacteria, enveloped and certain non-enveloped viruses, and most fungi.
Minimal antimicrobial effect ('low level')	Products with low concentration of chlorine. Various landing products that e.g., contain hydrogen peroxide, biguanides, and quaternary ammonium compounds.	<100 ppm hypochlorous acid	Questionable indication as products in this group are estimated to have little additional effect compared to cleaning with regular cleaning products.

The above disinfectants can be used when disinfecting the bed.



To achieve the effect of disinfection, the bed must not be visibly dirty.

7.7. Cleaning the upper part of the bed

The sides, headboard/footboard, and base frame of the HS Care Bed can be cleaned with standard disinfectant products.





7.8. Cleaning the lower part of the bed

The HS Care Bed base is washed with a brush and water. The water may be pressurised, but do not wash electrical parts directly with a pressure washer or steam cleaner.

The backrest and leg/thigh sections of the bed can be folded all the way forward to facilitate cleaning and access to steering.



Never use acids, alkalis, or solvents.
Ensure that the bed is unplugged from the wall socket.



The base of the HS Care Bed does not tolerate cleaning in washing facilities or water jet cleaning.

7.9. Cleaning the cover

The cover is made from incontinence covers that prevent the penetration of bodily fluids such as urine, feces, vomit, blood, etc.



Remove the cover - see section 3.4.1
The washing label is on the inside of the cover.

**INCONTINENCE
COVER**

BI-elastic
PU-coated



The cover can be washed at 95 degrees in the washing machine.
It can be tumble dried at high heat.



Do not bleach or iron





7.10. Cleaning the Tempreflex combi mattress

For light superficial seepage of body fluids through the zipper, the mattress can be cleaned with warm water.



In the event of excessive leakage of body fluids (blood, urine, feces, vomit, etc.) it is recommended that the mattress is disposed of and replaced.

7.11. Cleaning and maintenance of rubber protection

The rubber protector is made of natural rubber.

The rubber protector can be cleaned with regular cleaning products. Wash and wipe dry.

It must be treated afterwards with talcum powder to preserve the properties of the natural rubber and to maintain sliding properties.



Never use acids, alkalis, or solvents on the rubber protection.





8. Service and maintenance

To ensure that the HS Care Bed functions safely and optimally for the user, caregiver, and healthcare professionals, regular maintenance and cleaning are necessary.



Damaged or worn parts can affect the safety of the product.

8.1. Daily inspections

- Check the bed each time it is used.
- Do not use the bed if damage is observed or if there is any doubt about the safety of any part of the bed.

Contact your supplier immediately and make sure the product is not in use until it has been repaired.

8.2. Control list for daily inspections

- Inspect the bed visually.
- Check all parts for external damage and wear and tear.
- Check all hardware, attachment points, loaded parts, and rotating elements for signs of wear, cracks, frayed edges, deformation, or degradation.
- Check the remote control and ensure that all actuators are operating smoothly.

8.3. Annual inspection

Servicing is recommended at least once a year.

The annual service inspection should be performed by a qualified professional with knowledge of the bed, its functions and operation.





8.4. Control list for service inspection

An extended service check of the bed is recommended before the bed is transferred from one user to another or at least every year.

The extended service check prevents unforeseen repairs and out-of-service beds.

This extends the lifetime of the bed and maintains the safety of the user, healthcare professionals, and caregivers.

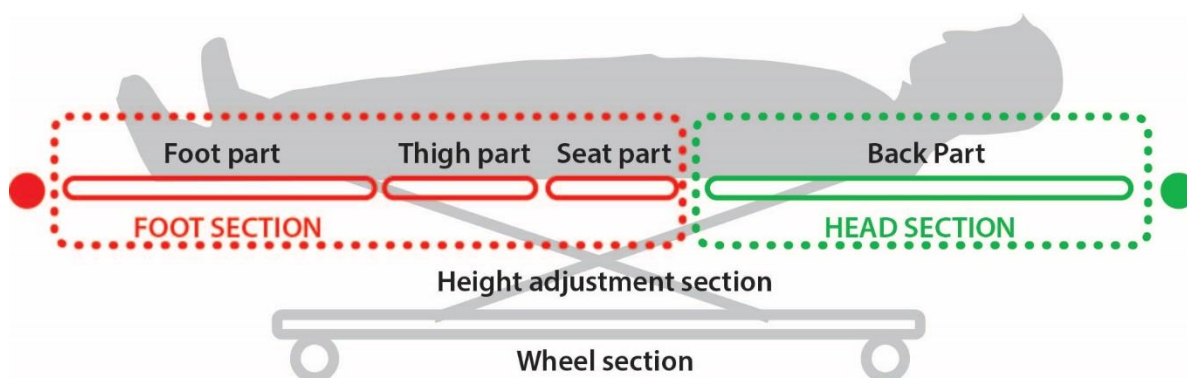
An extended service inspection can take place at the assistive device depot or at the user's premises and should be carried out by qualified personnel.

During the service inspection, make a note of any parts that are not functioning optimally or that need to be replaced or repaired.

The form can be used as a work tool during the service inspection and for documentation in internal service systems.



Observed defects **MUST** be corrected before using the bed!



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Extended service inspection – BED

SN-no.:		Own ID-no.:		
Date:		Age of bed:		
Company:		Inspection by:		
Extended service check points - BED			X	Notes
1	Remove mattress and headboard/footboard (if applicable) OPUS 1CW OPUS 1DW: Inspect the slats, bed base, and frame for any visible damage, peeling coating, or loose slats.			
2	Ensure power plug and cord are connected to the control box and are intact.			
3	Connect the power plug to the outlet. Light on the control box should be on green.			
4	Remote control and cable are connected to the control box and are intact.			
5	Ensure that the bed can move up and down freely and that all functions on the remote control work properly without wires getting stuck or pulled out. <i>b. Move the bed surface all the way up (80-83 cm above the floor) and then down again. c. Move thigh and foot part all the way up, then down, and then back to horizontal. d. Move the back part all the way up and down. There should be no unexpected move-ments or sounds indicating possible damage to the actuator or mechanical parts. e. Run combined movement of the back (green button) and check the switch between combined movement and standard movement. See User Guide. f. Ensure that the cable length is appropriate and that plugs are not pulled out of the actuator/control box.</i>			
6	Tilt the back section up: <i>a. Make sure all connectors and wires to the control box are connected and intact and mounted in clips or suspended with strips to avoid damage when the moving parts of the bed are activated. b. Ensure that the actuators are intact, lubricated, and properly connected (cord in lock around actuator). Make sure that the O-rings are intact and that the split/mounting bracket locks properly. If you are having trouble pushing the connector fully into the actuators, it may help to moisten the O-ring with some water. If the issues persist, replace the cable. See section 7.1. c. Check the built-in bed surface extension, rollers (under the bed surface), grab blocks (on the upper frame of the head and foot sections), glide blocks (inside the lifting section) and that the mattress is intact and properly fitted.</i>			
7	Tilt the seat section up: <i>a. Ensure that the height actuator on the lift section is intact. b. Ensure that the height actuator spiral cord is 'wrapped' around the crossbar.</i>			
8	Tilt the thigh and foot sections up: <i>Go through step 6 on this part of the bed.</i>			
9	Tilt the thigh and foot sections down again.			
10	OPUS 1CW OPUS 1DW Put the headboard and footboard on the bed and check their condition. <i>Ensure that the headboard and footboard, board extensions and screws are intact, and that the headboard and footboard are tightened.</i>			
11	Unplug net plug and hang it over the headboard or foot board OPUS 1CW OPUS 1DW / the bed frame OPUS -DW			



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... Extended service check points - BED	X	Notes
<p>12 Wheels, brakes and directional control.</p> <p>a OPUS 1CW OPUS 1DW OPUS S-DW* <i>Inspect the wheels for impurities that can get stuck between the wheel fork and wheel track.</i></p> <p>b OPUS 1CW OPUS 1DW OPUS S-DW* <i>Make sure the wheels are not rusting, damaged or loose.</i></p> <p>c OPUS 1CW OPUS 1DW <i>Tighten all parts of the connecting links to the central brake system.</i></p> <p>d OPUS 1CW OPUS 1DW <i>Lock the wheels and check that the brakes are working. With the brakes activated, the bed should be able to maintain its position, even with a slight push on the bed.</i></p> <p>e OPUS 1CW OPUS 1DW <i>Unlock the wheels and check that they turn smoothly and that the directional control is working properly.</i></p> <p>f OPUS 1CW OPUS 1DW <i>Check that the two brake pedals are equipped with a red and green indicator plug.</i></p> <p>g OPUS S-DW <i>Unlock ALL four wheels and test the brakes one by one.</i></p>		
<p>13 Screws, bolts and nuts.</p> <p>a. <i>Check and tighten screws, bolts and nuts as they can loosen over time.</i></p> <p>b. <i>Check that all moving parts move smoothly.</i></p>		
<p>14 Check that all pipe ends are plugged.</p>		
<p>15 Place the mattress back in the bed. Adjust the mattress according to the selected mattress. See User Guide for instructions.</p>		
<p>16 ACCESSORIES: OPUS 1CW OPUS 1DW Check battery according to specific instructions for the current battery type. Pay attention to battery life.</p> <p><i>If the bed is equipped with a battery, the state of the battery will affect the electrical functions of the bed. Check that the electrical functions are working properly when using the battery function with and without connection to the power cord. For more information on use, storage, transportation, and disposal, see the current battery's manual. Be aware of the battery life expectancy, which depends on use, storage, and charging.</i></p>		
<p>17 Check all labels on the bed.</p> <p><i>The bed is equipped with various labels that inform about correct and safe use. Check that the labels are on the bed and legible and intact. Labels can be reordered from the manufacturer. An overview of the labels can be found in section 9.</i></p>		

* Only applies to OPUS S-DW if not mounted in bed frame.

Additional notes:

Defects that need to be fixed:

Overall rating (tick a box)

After an extended service check, the bed is:

APPROVED

NOT APPROVED





9. Quick guide HS Care Bed

9.1. Quick guide Model 800 & 900

JYSK HANDI
Specialized beds for unique needs since 1990

Quick guide til HS Plejeseng

Rev.03 - September 2024
Verenr.: 08 64 02

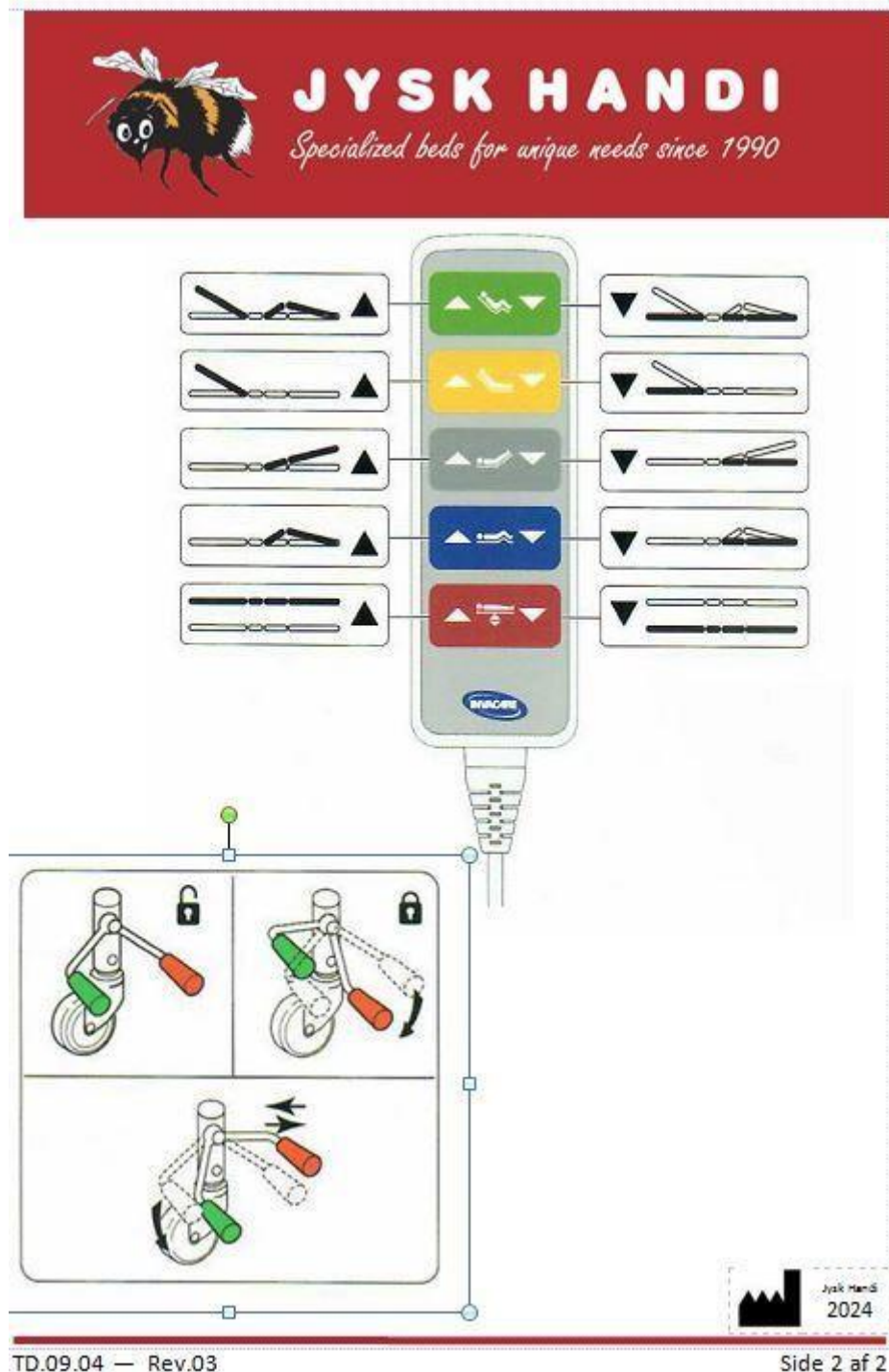
TD.09.04 — Rev.03

Side 1 af 2





9.2. Quick guide Model 800





9.3. Quick guide Model 900

<p>VANDRET = HJULENE ER FRI</p> <p>NEUTRAL Hjulene er frie og bevægelige i alle retninger.</p>	<p>RØD PEDAL NED = HJULENE ER BREMSET</p> <p>LÅST Hjulene er låst og sengen står fast.</p>	<p>GRØN PEDAL NED I FODENDE = RETNINGSSTYR ER AKTIVERET</p> <p>RETNINGSSTYR Bremsen er frigjort og hjulene i fodenden låser i køreretningen.</p>
--	--	--

2024















TD.09.04 — Rev.03

Side 2 af 2





10. Symbols and labels

	CE approval
	Medical equipment
	Manufacturer
	Date of manufacture
	Important safety information. Related documentation must be read.
	Additional guidance on application and use.
	PAY ATTENTION! CAUTION! See associated documentation.
	For indoor use
	SN serial number
	Class II equipment
	Type B equipment (EN 60601-1)
IPX6 Washable	WASH IN FACILITY OR WITH BRUSH AND WATER. Wash in facility according to current standard. Water can be pressurised, but do not clean the bed directly with a pressure washer. Cleaning instructions MUST be followed.
IP26 Washable	FOR RESIDENTIAL USE: Wash in a facility according to applicable standards. The number 2 means protection against foreign bodies with a diameter of more than 12.5 mm (EN 60529).
	Max. user weight
	Max. load = safe working load (SWL).
	SWL= max. weight of user + mattress + any additional equipment. WEEE (waste electrical and electronic equipment): The bed may contain substances that can be harmful to the environment if not disposed of in accordance with applicable legislation (when using a battery [accessory], the symbol appears on the battery label).



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<p>able nordic a/s - www.ablenordic.dk Mågevej 16, DK6370 Hadsten Model: OPUS 1-XXXEW GTN: (21) 00374487000299 (11) XXXX (21) XX.XXXXXX.XXXX Int.: <10%, max. 2min ON / 18min. OFF In max. 3.9 A U in: 100-240V~, 50/60Hz, IP26</p>	<p>TYPE PLATE OPUS 1-XXXEW Information about manufacturer, model, SN-no., HMI-no. and use.</p>
<p>OPUS 1-XXXEW Max last (SWL) 250 kg Temperatur Anvendelse/transport/opbevaring</p>	<p>INFO LABEL OPUS 1-XXXEW Information about the bed and environment of application (see elaboration at * below).</p>
<p>OPUS 1-XXXEW Sengens egenvægt: XXXX kg Total vægt med max last: XXXX kg</p>	<p>WEIGHT (example)* Weight of the bed, weight of the bed with max. load.</p>
<p>Max last (SWL): 250 kg Personvægt max: XXXX kg Madras max: 20 kg Tilbehør max: XX kg</p>	<p>LOAD (example)* Max. weight for user, mattress, other accessories and SWL.</p>
<p>Max lydeffekt LWA = 53 dBA</p>	<p>SOUND EFFECT*</p>
<p>Temperatur Anvendelse: +5°C til +40°C Transport og opbevaring: -10°C til +50°C Anvendelse/transport/opbevaring Relativ luftfugtighed (RH): 15% til 90% @ 30°C, ingen kondens. Ammøstærsk lufttryk: 700 til 1060 hPa (altitude 5-3000 m).</p>	<p>OPERATING, TRANSPORT, AND STORAGE CONDITIONS*</p>
<p>Personvægt: ≥ 40 kg Højde: ≥ 146 cm BMI: ≥ 17</p>	<p>LIMITATIONS* Information about user weight, height, and BMI.</p>
<p>OPUS 1-XXXEW</p>	<p>PRODUCT LABEL OPUS 1-XXXEW Indicates the bed type.</p>
<p>Bemærk! Denne seng er egnet til vask i automatisk vaskeanlæg. Caution! For cleaning purposes this bed can be used with automatic washing systems.</p>	<p>WASH IN FACILITY Indicates that the bed can be washed in a facility.</p>
	<p>MATTRESS LABEL Mattresses that are not adapted can pose a risk. Read the instructions for use.</p>
<p>Motor connection outlet: 1. Back motor 2. Height motor 3. Thigh motor 4. Foot motor HB = Control</p>	<p>MOTOR CONNECTION Indicates the correct placement of wires in the control box.</p>
	<p>COLOUR INDICATION IN CONNECTION WITH ASSEMBLY Green part must be mounted/assembled with green part. Red part must be mounted/assembled with red part.</p>

* Included in the long Info Label.



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	WEIGHT LABEL Indication of parts weighing more than 20 kg.
	WEIGHT LABEL (example) The specific weight of parts weighing more than 20 kg.
	SECTION LABEL (example) Indicates the part's item number and which bed model the part fits.
	BED RAIL LABEL Removable bed rail, dimensions.
	ENTRAPMENT HAZARD - BED RAIL Indicates risk of crushing hazard.
	TYPE PLATE - BED RAIL (example) Informs about location, dimensions, item no., HMI no. and recommended mattress height.
	ASSEMBLY - BED RAIL Instructions for correct installation of the siderail.



For information on the location of the labels see the Service Manual and Spare Parts List.





11. Troubleshooting

Symptom	Possible cause	Handling
Bed does not respond to the remote control.	Power cord is not connected	Connect power cord
	Remote control is not connected to the bed.	Plug remote control into the control box.
	Remote control is connected but does not respond. It is defective.	Replace remote control and associated cable.
The actuator/motor only moves sometimes.	Wires are loose and/or remote control is broken.	Inspect the remote control and its cable, making sure the plug is fully and properly inserted. If the error comes and goes, replace the remote control.
The bed makes a strange sound when pressing the remote control.	Actuator/motor is damaged.	Replace damaged part
	Wires or parts are stuck.	Check the cord and/or if there are any stuck parts. Remove these and perform a safety check of the bed. If cord or parts of the bed are damaged, replace them. Send the bed to servicing.
Only some of the electrical functions work when the remote control is pressed.	Wires are incorrectly attached in the control box.	Attach the wire correctly in the control box.
	Wires are not plugged into the control box.	Plug wire into control box.
	Actuator/motor is damaged.	Defective part must be replaced. Contact a technician.
	Steering/remote control is defective.	Defective part must be replaced. Contact a technician.
	Control box is defective.	Defective part must be replaced. Contact the technician.
Actuator/motor is noisy.	May be due to lack of a lubricant.	Noise can be removed by lubrication. Contact a technician.



If there is any doubt about safety, DO NOT use the bed.

Contact the service technician and do not use the bed until it has been checked and deemed safe to use.





12. Disposal

This product is manufactured by an environmentally conscious manufacturer. The product may contain substances that can be harmful to the environment if not properly disposed of in accordance with applicable legislation. The 'crossed-out bin' symbol is placed on this product to encourage recycling whenever possible.



Please take environmental responsibility and return the product for reuse or recycling at the end of its lifetime. Contact your local authority for information on where and how to return end-of-life equipment.

FOR DISPOSAL, THE BED AND ACCESSORIES CAN BE DIVIDED INTO THE FOLLOWING MATERIAL GROUPS:

Product	Type of material	Handling
Upper part of bed <ul style="list-style-type: none"> • Sides • Headboard and footboard 	Wood Plastic Metal Natural rubber	Combustible Recycling Recycling
Padding and mattress	Plastic Polyurethane foam Cold foam Fabric	Combustible Combustible Combustible Recycling
Lower part of bed	Electronics Wire and cable Metal Plastic	Electronic waste Electronic waste Recycling Recycling



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13. Disassembling the packaging



The HS Care Bed is delivered in transport packaging, as shown in the photo. The following shows how to unpack the bed correctly!

PLEASE NOTE:
The transport packaging must be kept and stored in case the bed needs to be transported/shipped, in which case these instructions should be followed in reverse.

Model/Size:	Length:	Width:	Height:	Weight:
HS Seng 624	230 cm	115 cm	125 cm	ca. 240 kg
HS Seng 800	230 cm	100 cm	105 cm	ca. 200 kg
HS Seng 900	230 cm	115 cm	105 cm	ca. 220 kg



+ PH2

Tools:
Use a PH2 screwdriver or a screwdriver with a PH2 Bit.

PLEASE NOTE:
If the bed is to be repackaged for transportation, only use SCREWS in size 4.0 x 25 mm

Meaning of colour labels



Red markings should NOT be unscrewed from each other.



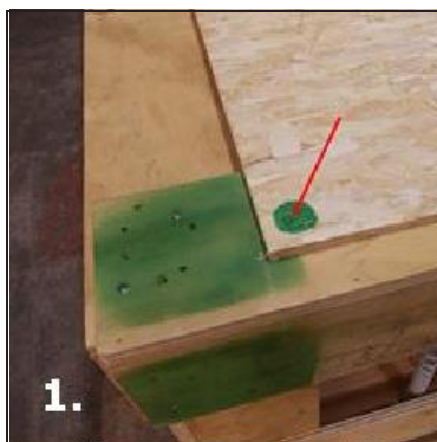
Green markings should be unscrewed from each other.



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Unscrew the screws in each corner of the lid and remove the lid.



Unscrew the screws at each end of the bed.



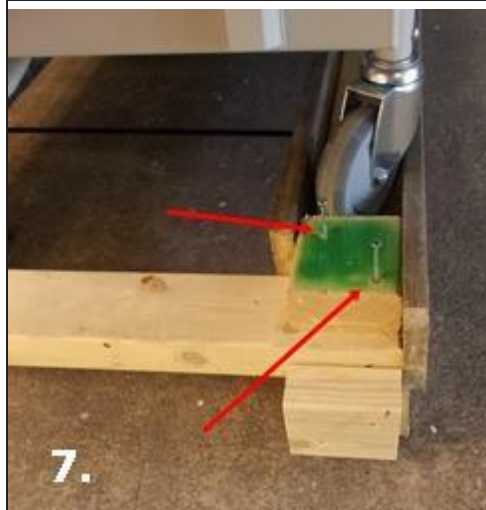
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Remove the sides.



Unscrew the green chocks.
Remove the belt tensioner.



Two of the boards from
the end are placed on the
base frame and used as a
driving ramp.





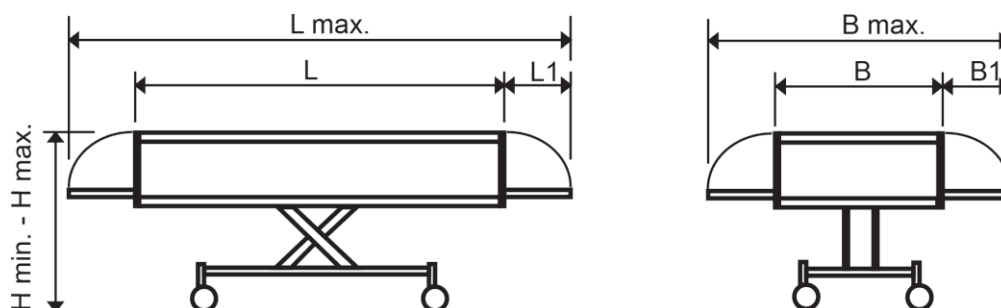
14. Technical data

For HS Care Beds the following applies:

14.1 External measurements

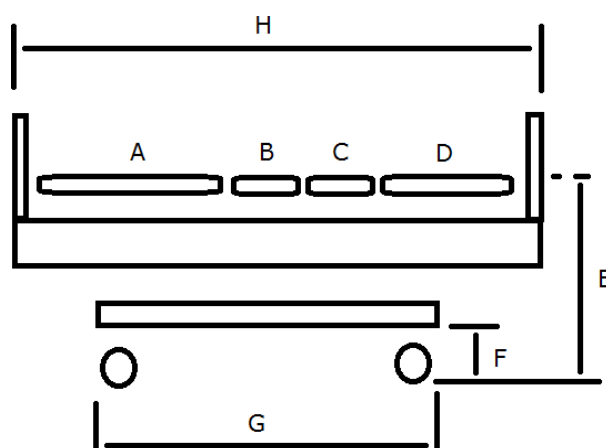
Length		Width	HS 800	HS 900	Height	
L max.	2990	B max.	1535	1685	H min.	870
L	2240	B	950	1100	H max.	1290
L1	375	B1	375		Mattress height	550 - 970

All measurements are listed in mm.



14.2. Measurement of bed surfaces

The four-part bed surface has the following measurements:



Model	A	B	C	D	E	F	G	H
800	780	260	260	660	360 - 830	150	1600	1960
900	720	250	310	520	420 - 830	180	1300	2140

All measurements are listed in mm.



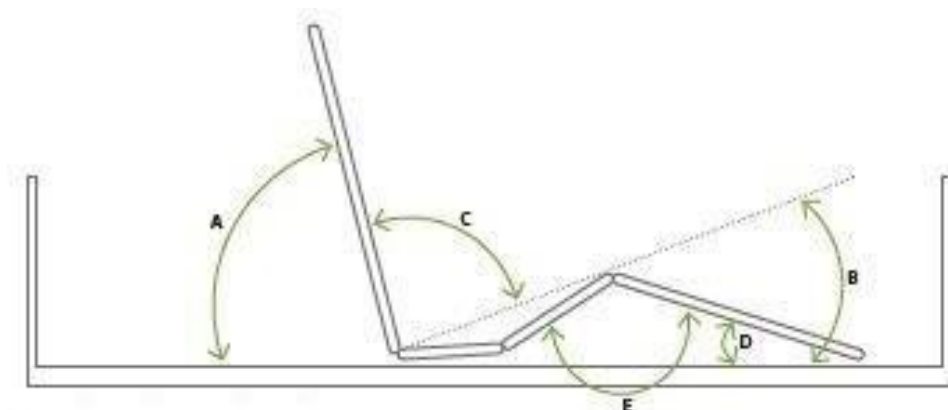
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14.3 Angles of bed surfaces

The four-part bed surface has the following angles:



A	B	C	D	E
70°	19°	>90°	19°	128°

14.4 Weight of the bed

Model	Padded upper part of the bed	Lower part of the bed	
HS 800	63,5	80	143
HS 801 / 810	67		147
HS 811	70,5		150,5
HS900	74	108	182
HS 901 / 910	77		185
HS 911	80		189

All measurements are listed in kg.

14.5. Wheel system

Function / Model	HS 800	HS 900
Central break	YES	YES
Directional control	NO	YES
Wheel diameter	Ø125mm	Ø125mm



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14.6. Usage and storage environment

Temperature	+5°C to 40°C
Relative humidity	15% - 60% at 30°C, condensing
Atmospheric pressure	700 – 1060 hPa (altitude <3000m)
Power connection	240V – AC 50Hz
Power consumption	Less than 4A
Operating frequency	10% Max. 2 min. ON / 18 min. OFF
Insulation class	Kl. II. Type BF equipment
Tightness class	IP26 Washable
Sound level	Less than 53 dBA



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15. Spare parts list

Prod.no.:	Product name:	Photo
17 62 72	Locking bolt with wire buckle, complete set	
17 62 52	Control handle X2 with cable guide	
17 70 01	Padding – Type G – 800/900 (foam w/plate and cover)	
17 70 21	Padding – Type B 800 (foam w/plate and cover)	
17 70 41	Padding – Type B 900 (foam w/plate and cover)	
17 70 22	Padding – Type C 800 (foam w/plate and cover)	
17 70 44	Padding – Type C 900 (foam w/plate and cover)	



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Prod.no.:	Product name:	Photo
19 00 80	Tempraflex combi mattress 13x76x205 cm with incontinence cover	
19 00 90	Tempraflex combi mattress 13x92,5x205 cm with incontinence cover	
19 10 80	Incontinence cover HS800 13x76x205 cm.	
19 10 90	Incontinence cover HS900 13x92,5x205 cm.	
19 71 31	Remote control for HS Care Bed 8xx	
19 71 32	Remote control for HS Care Bed 9xx	





16. Approvals

This bed is classified as a Class I product and manufactured according to medical equipment regulations. The bed bears the CE mark in accordance with applicable legislation. A copy of this declaration can be obtained from the manufacturer.

THE BED IS MANUFACTURED AND ACCREDITED ACCORDING TO THE FOLLOWING STANDARDS:

STANDARD NO.	TITLE
EN 60601-2-52	Special requirements for basic safety and essential functional characteristics of hospital and care beds.
EN 60601-1	Medical electrical equipment - Part 1: General safety requirements and essential functional requirements.
EN 60601-1-2	Electromagnetic compatibility - Regulations and testing (EMC).
EN 60601-1-11	Requirements for electromedical equipment and electromedical systems used in home care.
DS/EN ISO 3746	Determining the sound power level and sound energy level of noise sources using sound pressure.
EN ISO 10993-1	Biological assessment of medical devices - Part 1.
EN ISO 14971	Medical equipment Addressing risk management for medical devices.
EN 15223-1	Medical devices - Symbols for medical device labelling and associated information - Part 1: General requirements.
EN 62366	Medical devices - Building usability into medical devices.
EN 60068-2-31	Environmental testing - Part 2-31: Tests - Test Ec: Hard impacts, primarily for test equipment.

