



SMOVE
touch&move 3.1

user manual

SMOVE hoist

This user manual applies to the following models

Lifting arms

Clip attachment

Loop attachment



Warning! Always read the entire user manual before using the product.

The hoist should only be used by qualified caregivers with adequate knowledge of the operations to be carried out. If you have any questions about the use or the application, please contact the supplier.

VERSION

12-2025

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JOYinCARE BV
Hullerweg 118a
8071 RP Nunspeet
The Netherlands
info@joyincare.com
www.joyincare.com



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1. Introduction

This chapter provides general information about the SMOVE hoist and explains the symbols used in this manual. Please read this user manual completely before using the SMOVE hoist. Before lifting a patient, always familiarise yourself with the lifting operation by practicing it together with a colleague or asking a transfer specialist for instructions.

- Read these instructions carefully before using the SMOVE hoist;
- Also read the user manual of the sling;
- Use the hoist and sling in accordance with these instructions;
- In case of any doubts, please contact us;
- For an ongoing safe usage of the hoist, it is essential to carry out maintenance on an annual basis. Maintenance on JOYinCARE hoists should only be carried out by suitably qualified personnel.

1.1 Related documents

In addition to this user manual, which also includes daily cleaning and safety checks, a comprehensive service manual is available for the SMOVE hoist. For the safe usage of a patient sling, it is also very important to read the user manual of the sling.

1.2 Symbols

The following symbols are used in this user manual:



Read the text carefully before working with the hoist. If the text is only relevant for a specific version, this is clearly indicated.



A tip or point of attention



Risk of damage to hoist if instructions are not followed carefully.



Risk of serious injury to patient or caregiver if instructions are not followed carefully.

1.3 Definitions

The following definitions are used in this user manual:

Patient	The person who is lifted/moved with the hoist in a sling.
Caregiver	The person who operates the hoist and provides care for the patient.
Transfer	The process of lifting, moving and properly positioning of the patient.
Sling	A body-support unit that supports the patient during the transfer with the hoist. The sling is attached to the hoist's spreader bar with loops or safety clips.

1.4 Intended use of the hoist

A hoist is designed for transferring someone who has limited mobility or no mobility at all from a lying to a seated position (e.g. from bed to wheelchair). Mobile hoists are only intended for transfers – involving lifting, moving and lowering – of only one person at a time. A hoist is not meant as a means of transport and should therefore only be used for moving patients over short distances, for example from (wheel)chair to bed or from bedroom to bathroom. The SMOVE is fitted with a lifting arm with clip attachment as standard.

A hoist should always be used in combination with a sling. The sling can be attached to the spreader bar of the hoist with either loops or safety clips. This can be a sling from JOYinCARE or another compatible brand. The patient should be closely monitored during the transfer and should never be left unattended in the hoist. The caregiver should be demonstrably competent before using the hoist. The hoist can be operated by a single caregiver.

The SMOVE is an active hoist (standing hoist) designed to support patients with reduced mobility in making an active transfer from e.g. the edge of the bed to the (wheel)chair or toilet, or vice versa. Encouraging their own capabilities, the patient reaches a standing position during the transfer. The SMOVE should always be used together with an active sling, such as a back support sling or corset sling.

The SMOVE is suitable for patients who are unable to stand up independently but who nevertheless have some trunk balance. They should also be able to support themselves on their own legs, have a good shoulder function and be able to follow instructions from the caregiver.

1.5 Intended use touch&move

The active and passive patient hoists of JOYinCARE have touch&move driving support. This is a smart solution for tackling physical stress and strain, reducing the risk of physical complaints. The innovative electric drive is highly intuitive and makes working with a hoist a much less strenuous, more pleasant experience. A gentle push against the push handle is enough to set the additional wheel under the hoist in motion. This wheel amplifies the force exerted forwards, backwards or sideways, making it way easier to manoeuvre the hoist.




1.6 Safety

This hoist is a medical device (class I) and is manufactured and tested according to NEN-EN-ISO 10535. The hoist complies with MDR Regulation (EU) 2017/745 and has a CE mark, which is applied to the label of the hoist. Adjustments to the hoist other than repairs may only be carried out by the manufacturer.

The maximum lifting weight of the SMOVE depends on the model and sling:

Fitted with lifting arm with clip attachment points	200 kg
Fitted with lifting arm with loop attachment points	200 kg

Before using the hoist, always check the maximum lifting weight on the labels of the sling and spreader bar. If the sling or spreader bar has a lower maximum lifting weight than the hoist, the lowest maximum lifting weight should be adhered to.

	Never lift more than one patient at a time.
	Do not leave the patient unattended in the hoist.
	The hoist is not suitable for use in the shower, large jets of water can cause serious malfunctions.
	The safe use of slings from JOYinCARE in combination with the hoist has been extensively tested and documented. These slings can be recognised by the JOYinCARE logo on the label of the sling. When using another brand of sling, it is wise to check whether this combination has been tested and confirmed to be safe.
	Pay close attention to the difference between loop and clip attachment. Slings with loops can only be attached to a lifting arm with hooks, whereas clips can only be attached to a lifting arm with studs.
	Do not expose the hoist to temperatures below 10° and above 50° Celsius.
	Do not expose the hoist to humidity below 40% and above 70%.
	Never lift patients above the maximum lifting weight, the lowest maximum lifting weight of the accessories used is leading for the maximum lifting weight of the whole combination.
	Check the hoist regularly on loose parts or wear, for example of rubbers, wheels, or plastic housings. Stop using the hoist when any defects are detected and contact the technical service or supplier.
	To charge the battery, only use the supplied battery charger and power cord.
	The battery charger is designed for use in a dry environment. Do not charge the battery in the bathroom or other wet areas.
	The hoist's battery discharges itself slowly. To prevent battery damage, it is recommended to charge the battery at least every three months, even if the hoist is not in use. See further sections on battery charging of the SMOVE touch&move.
	Always make sure the hoist is switched off before carrying out maintenance. This prevents the hoist from unexpected movements possibly leading to injuries. For more information, see the service manual.
	Annual maintenance of the hoist is essential for an optimal and safe usage of the hoist and guarantees a long product lifetime, also read chapter 5.

1.7 Warranty

The expected lifetime of the hoist is 10 years under conditions of normal use and maintenance as described in the manual. Hoists that have been adjusted by anyone other than the manufacturer will be rejected at inspection.

JOYinCARE offers a two-year warranty on the hoist. Consumable parts are not included. The warranty does not apply to damage or defects that may arise on the hoist due to incorrect or improper use and repairs carried out by unqualified persons. The assessment of this lies with the manufacturer or with its designated representative.

1.8 Liability

JOYinCARE assumes no liability for consequential damages in case of malfunctions or breakdowns and is not responsible for unsafe situations, accidents and damages resulting from:

- Not following the instructions included in this user manual, the user manual of the sling and the service manual;
- Using the hoist for applications other than those described;
- Making changes to the hoist and using replacement parts other than those prescribed.



Any serious incident related to the device, regardless of the cause, should be reported to the manufacturer as soon as possible in accordance with MDR Regulation (EU) 2017/745.

A serious incident is defined as an incident that directly or indirectly resulted or could have resulted in:

- a. The death of a patient, user or other person;
- b. A temporary or permanent serious deterioration in the health condition of the patient, user or other person;
- c. A serious threat to public health.

2. General product description

2.1 General

The SMOVE is an active hoist (standing hoist) designed to support patients with reduced mobility in making an active transfer from e.g. the edge of the bed to the (wheel)chair or toilet, or vice versa. Encouraging their own capabilities, the patient reaches a standing position during the transfer. The SMOVE should always be used together with an active sling, such as a back support sling or corset sling.

The SMOVE can be fitted with 2 different lifting arms depending on the type of sling to be used; a lifting arm with clip attachment points (studs) or with loop attachment points (hooks). The hoist has a long lifting reach, allowing a patient to be lifted from a seated position to an upright position. The arrow in Figure 1 indicates the forward driving direction.




Picture 1. SMOVE touch&move 3.1

2.2 Lifting arm and mast

The SMOVE is equipped with a mast and lifting arm, enabling an active lifting movement. The lifting arm is fitted with two studs for attaching slings with safety clips as standard. The SMOVE is suitable for use in combination with active slings, such as a back support sling or corset sling. For a safe lifting of a patient, the two safety clips (or loops) should always be attached correctly during the transfer.



	<p>The lifting arm with studs is only suitable for use in combination with slings with clips. The lifting arm with hooks is only suitable for use in combination with slings with loops.</p>
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During the lifting movement, the patient can hold onto the lifting arm directly or use the horizontal handles for this purpose. Depending on capabilities or limitations, the most optimal handle can be chosen. While using the sling, the patient's arms are placed over the sling. For a safe use of all functions during the transfer, see chapter 4 and the user manual of the sling.

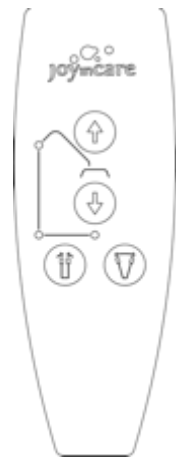
2.3 Knee pads and footboard

The knee pads are sprung to stay in contact with the patient's legs, providing extra comfortable support during the lifting procedure. The knee pads can be adjusted to the desired position, please follow the instructions in the service manual of the hoist.

The low mounted footboard is fitted with anti-slip material to avoid unwanted sliding. Make sure that the patient's feet are fully placed on footboard before starting the lifting procedure. The SMOVE can be fitted with calf straps to ensure that the patient's feet stay on the footboard. The calf straps can optionally be supplied as an accessory, follow the instructions in the service manual of the hoist for attachment to the hoist.

2.4 Operating the lifting arm

The separate hand control and the control panel have 4 buttons. The buttons show the symbols for ↑ moving up (stand up) and for ↓ moving down (sit down). Pressing and holding these buttons will raise or lower the lifting arm.



2.5 Chassis

The chassis is fitted with a footboard on which the patient can rest both feet during the transfer. The two castors at the back are fitted with brakes which can be operated by foot. Push the brake pedal down to lock the brake, pull it up to unlock the brake.

2.6 Operating the chassis legs

The width of the legs of the hoist can be adjusted for an easy access of the (wheel)chair or other device or piece of furniture. Use the hand control and press the right button with legs symbol (3) for spreading the legs. The left button can be used for closing the legs. For driving and manoeuvring the hoist, it is recommended to put the legs in the smallest position. Multiple functions can be executed simultaneously, such as raising/lowering and spreading or closing the legs. When several functions are used sequentially, it is important to switch smoothly between the buttons for a correct operation.

2.7 Emergency lowering

Should the hoist unexpectedly fail to raise or lower, the emergency lowering function allows the patient to be manually placed on a bed or chair.

Activate the emergency button and move the red slider on the motor upwards to activate the emergency lowering function. The emergency lowering only works when the lifting arm is loaded. Lowering starts with a slight delay.



3. Product description SMOVE touch&move

3.1 General

The SMOVE touch&move consists of the following parts:





1.	Lifting arm	8.	Attachment points sling
2.	Mast	9.	Motor with emergency lowering function
3.	Knee pads	10.	Emergency button
4.	Chassis legs	11.	Swivel castor with brake
5.	Footboard	12.	touch&move electronics box
6.	Control panel with charging point	13.	touch&move wheel
7.	Detachable hand control		

The unique feature of the touch&move hoist is the electric driving support, which makes working with the hoist easier and physically less demanding for the caregiver. A gentle push against the push handle is enough to activate the additional wheel under the hoist. This makes it easier to set the hoist in motion and to manoeuvre in small spaces. touch&move is a smart solution for tackling physical strain, reducing the risk of physical complaints.

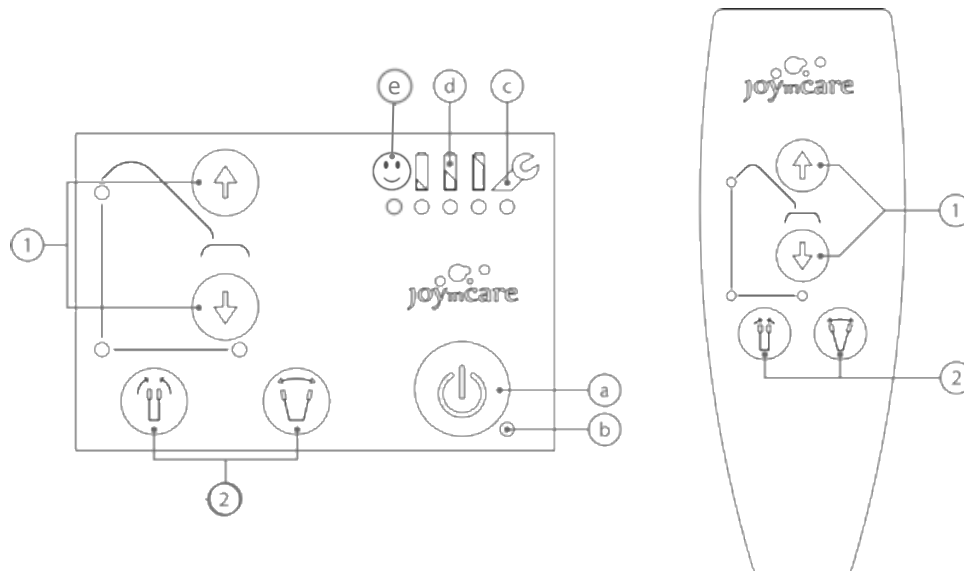
The touch&move wheel is located under the electronics box and between the two swivel castors at the back. By giving a slight push against the push handle, the touch&move wheel automatically turns into the desired direction of movement. The wheel turns both forwards and backwards and up to 90 degrees sideways.

3.2 Points of attention

	The blue housing of the electronics box should only be removed by suitably qualified personnel. This also applies to changing the touch&move wheel and batteries.
	Only hold the push handle once the hoist is fully started.
	It takes a few seconds for the hoist to become operational, do not hold the push handle during the start-up.
	Do not hang clothes or slings on the push handle during operation.
	Avoid applying large (peak) forces on the push handle, the sensor may react unexpectedly as a result.
	Do not use the hoist if the orange maintenance light is permanently on. If this occurs during a transfer, complete the transfer calmly, then have service carried out by suitably qualified personnel.

3.3 Control panel

The SMOVE touch&move is fitted with both a control panel and a separate hand control. The image below shows the control panel mounted on the push handle on the left and the hand control on the right.



1) Height lifting arm and spreader bar	a) On/off button
2) Opening/closing chassis legs	b) On/off indication
	c) Maintenance indication
	d) Battery status indication
	e) Proper usage indication

Symbols 1 and 2 are identical for both operating modes. See chapter 2 for the use of the functions.

3.4 Activation

The On/off button (a) activates all functions of the SMOVE touch&move. Press the button for 2 seconds, then all indication lights on the control panel will light up. Do not hold the control panel or push handle and make sure that the push handle isn't touched. It takes 5 seconds for the touch&move driving support to become operational. Once the Device indication light (b) turns green, all functions are ready for use and the push handle may be held.

If the SMOVE touch&move is not used for a longer period of time, it is recommended to switch it off by pressing and holding the On/off button. After 15 minutes, the device indication light starts flashing green, meaning the hoist will go into sleep mode. As soon as it is touched or used, the hoist will resume full operation. Should the hoist not be used for more than 30 minutes, all functions will switch off automatically. The hoist should then be switched on again before use.

3.5 Driving and manoeuvring with touch&move



The push handle of the SMOVE touch&move is fitted with a sensor, which measures the direction and amount of force pushed against the push handle.

- To drive in a straight line: gently push against the push handle, the hoist will start moving automatically;
- To drive backwards: gently pull the push handle, the hoist will move in a backwards direction;
- To drive diagonally forwards and backwards: gently indicate the direction and let the touch&move driving support do its work;
- To travel sideways: first bring the hoist to a standstill and then push against the side of the push handle. The wheel will automatically turn in the desired direction and start moving. Try whether it is comfortable to stand next to the lift while doing this;
- After reaching the desired position, release the push handle, the wheel will automatically return to the forward position after 2 seconds.

3.6 Proper usage indication


The touch&move driving support has been developed to reduce physical strain while driving and manoeuvring hoists. Besides using the right type of hoist, proper use of the hoist is also important. The proper usage indication (e) on the control panel makes it clear whether the hoist is being used in the right way. The indication light under the smiley on the control panel lights up green when sufficient force is applied and the hoist is operated correctly and calmly.

Applying too much force or making unwanted movements are a strain on your body and will make the indication light turn red. The hoist will also give a warning for incorrect use by means of a beeping signal.

	<p>To reduce physical strain, ensure that the proper usage indication light (e) remains green during use. Driving and manoeuvring with touch&move is easiest when the push handle is pushed gently and in a clear direction. This gives the electric driving support enough time to get and keep the hoist moving. Making a turn works best by standing next to the hoist and steering with one hand on the lifting arm.</p>
	<p>When excessive force is applied to the push handle, the tilt function will automatically activate to protect the hoist from unwanted use. The on/off indication light will light up red and a beeping signal will sound. Restart the hoist to resume use.</p>

3.7 Emergency button

To stop all movements, press the red emergency button on the mast. Use the emergency button only in emergency situations. Turn the emergency button clockwise to reactivate normal operation.

	<p>Use the emergency button only in case of emergency. Activation of the emergency button will activate the alarm signal. To switch off the hoist, use the on/off button on the control panel or wait until the hoist switches off automatically.</p>
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3.8 Battery status indication

The battery status lights (d) on the control panel have the following meanings:

- 1) All three battery status lights are green: battery is fully charged;
- 2) Two battery status lights are green: battery level is 45-70%;
- 3) One battery status light is green: battery level is 20-45%;
- 4) One battery status light is continuously red: battery level is <20%;
 - Complete the transfer calmly;
 - Start charging the battery as soon as possible;
- 5) One battery status flashes red: battery is almost empty;
 - Complete the transfer calmly;
 - The spreader bar / lifting arm can no longer be raised, only lowered;
 - The legs can still be widened / narrowed;
 - A beep signal sounds with each movement initiated;
 - The touch&move driving support is switched off;
 - Start charging the battery as soon as possible.

3.9 Charging the battery

The integrated battery of the SMOVE touch&move 3.1 can be charged with the included battery charger. It can be recognised by the JOYinCARE sticker and is fitted with an angled plug.

Drive the hoist to the desired location with a socket. Plug the charger into the charging point on the right side of the control panel and connect it to the socket. A red light on the battery charger will light up as a sign that the battery is being charged. As soon as the light turns green, the battery is full. It takes 6 hours to fully charge the battery. Make sure the emergency button is not activated during charging. After charging, disconnect the charger from the socket, remove the charging connector and the hoist is ready to use again.

While charging the battery, the hoist will automatically switch off and cannot be used. If the hoist is switched on during charging, the battery status lights will turn green, after which the hoist will switch off again. Before using the hoist, always disconnect the charger from the socket and unplug the charger from the hoist.

3.10 Maintenance


If the maintenance indication light (c) lights up, a power failure has occurred in the touch&move wheel. Should it light up during a transfer, complete the transfer calmly and make sure maintenance is carried out by suitably qualified personnel.

4. Use of the SMOVE touch&move

4.1 General

It is important to be well prepared before using the hoist and the sling. Therefore, also read the user manual of the sling carefully before use. In addition, it is recommended to first practice the operation without a client, but with a colleague for example. It is important to experience the transfer with a hoist and sling yourself. This gives the necessary confidence to perform the transfer with a patient.

Before using the hoist, check whether the indication lights give no warnings and the battery is sufficiently charged. Make sure that the battery charger plug is disconnected before moving the hoist and check whether the emergency button is deactivated by turning it clockwise.

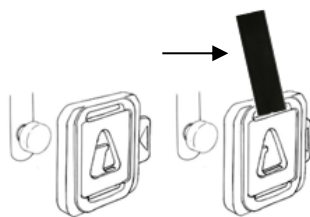
	Check the medical file for any physical changes of the patient and the number of caregivers the transfer should be made with.
	Have the correct type and size of the sling ready. To determine the right type and size follow the instructions in the sling's user manual.
	Check beforehand that the sling has no damage; it is essential that the material, stitching, seams, bias binding and safety clips or loops are undamaged. Damaged slings should be taken out of use immediately.
	Check that the sling is suitable for use on the SMOVE.

4.2 Sling attachment

Depending on the attachment points on the lifting arm, a sling can be attached by means of safety clips or loops. A lifting arm with studs can only be used in combination with a sling with safety clips. When the SMOVE is fitted with a lifting arm with hooks, it is only suitable for attaching a sling with loops. Before use, check all clips or loops for abnormalities or defects. Do not use the sling in case of any defects or doubts.


A) Clips

The functionality of a safety clip may vary from one supplier to another. Read the user manual of the respective sling for the instructions. The Careclip of JOYinCARE works as follows:



Attachment of the Careclip: Make sure there is no tension on the clip. Fully depress the slider on the side of the clip and place the created opening completely over the stud of the spreader bar. Release the slider. The slider closes the clip and the clip is now safely secured to the stud of the spreader bar. Always attach the shoulder clips first, followed by the leg clips.

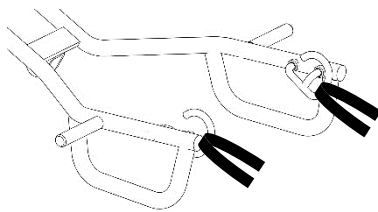
Detachment of the Careclip: Make sure that the weight of the patient is taken up by the receiving surface and that there is no tension on the clip, before you detach the clip. Fully depress the slider and lift the clip completely over the stud. Always detach the leg clips first before detaching the shoulder clips.

	Before lifting, always check that all clips are properly attached by visually inspecting the attachment and pulling the strap of the clip (see arrow). Raise the spreader bar slightly until there is tension on the sling and check the clips again. Do not lift the patient further until all clips have been properly checked.
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Compatibility: The lifting arm is fitted with universal attachment points suitable for active slings with safety clips. When combined with third-party slings, it is strongly recommended to always use slings with safety clips.


The axis of the stud has a diameter of 7 mm and a length of 6 mm, the head of the stud has a diameter of 12 mm. The span width between the shoulder suspension points is 39.5 cm. Always check the specifications of the specific sling whether it is suitable for use in combination with this type of lifting arm and studs. For a safe use of the hoist, the sling should also be manufactured according to NEN-EN-ISO 10535. If you have any questions about compatibility, always contact your local distributor before using the certain combination.

B) Loops




Attachment of the loops: Make sure there is no tension on the loop. Place the loops over the hook of the lifting arm, one loop on each side. Do not cross the loops and use the same length for both loops.

Detachment of the loops: Make sure that the weight of the patient is taken up by the receiving surface before detaching the loop. Pull the loops over the hooks of the lifting arm.

	<p>Before lifting, always check that all loops are properly attached by visually inspecting the attachment and pulling the loop. Raise the lifting arm slightly until there is tension on the sling and check the loops again. Do not lift the patient further until all loops have been properly checked.</p>
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Compatibility: A patient hoist with loop attachment points can be used safely in combination with any sling with loops. For safe use of the hoist, the sling used should also be manufactured according to NEN-EN-ISO 10535. Always contact your local distributor in case of compatibility questions before using the combination.

	<p>When using a sling with both clips and loops, extra attention is required when attaching the sling. Attach the clips only to a spreader bar with studs and the loops only to a spreader bar with hooks. Using the incorrect attachment method can cause the sling to come loose and lead to serious injury.</p>
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4.3 Preparation

Place the hoist nearby and explain to the patient what is going to happen. In case the patient is lifted with a hoist for the first time, it is recommended to demonstrate the patient together with a colleague how the lifting operation is done.

Apply the sling as indicated in the user manual of the sling. Both the way of application and position differ for each type of sling. Here we show how to use a general active sling.

	<p>Apply the sling as indicated in the user manual of the sling. The application and use may differ from supplier to supplier. In this manual, we show one of the common ways.</p>
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- 1) Place the hoist nearby and explain to the patient what is going to happen;
- 2) Check that the bed/(wheel)chair is on the brake;
- 3) Apply the sling while the patient is sitting stably on the edge of the bed or apply the sling in the wheelchair. If the patient has insufficient trunk balance, a second caregiver is necessary;
- 4) Wrap the center of the sling around the patient's back.
- 5) Pass the ends of the back support sling under the armpits and place the arms over the sling;


- 6) Check that the left and right ends are the same length. Secure the sling to the patient by buckling the support belt and make sure that it is adjusted to the patient.
- 7) Remove the footrests from the wheelchair or swing them away;
- 8) If necessary, spread the chassis legs of the hoist. Make sure the hoist's lifting arm is down. Watch out for any obstacles such as armrests or a wheelchair tray;
- 9) Position the hoist in front of the patient. Place the patient's feet on the footboard of the SMOVE or ask the patient to do so. Make sure both feet are fully placed on the footboard to avoid unwanted slipping;
- 10) Move the SMOVE closer so that the patient's lower legs make full contact with both leg supports of the SMOVE. Optional: fasten the calf straps around the patient's calves.
- 11) Attach the clips or loops of the sling to the attachment points of the lifting arm. Check that these are both correctly attached;
- 12) Apply the brakes on the hoist.

4.4 Standing up

Stay next to the patient while lifting with the SMOVE, this gives extra confidence to the patient.

- 1) Ask the patient to hold onto the hand grips with both or one hand, or have the patient hold both hands in front of the belly. The last method is often more comfortable for patients with half-sided paralysis;
- 2) Ask the patient to assist while standing up. If the patient has sufficient standing function, the patient's knees can come loose from the knee pads;
- 3) Start lifting the patient by raising the lifting arm. Make sure the back support sling stays in place.



	<p>If the patient in the hoist becomes unwell or indicates any other discomfort, the lifting operation should be stopped immediately. Return the patient to the (wheel)chair or on the edge of the bed. As soon as the lift button on the hand control or control panel is released, the operation stops immediately. Use the down button (1) to lower the patient.</p>
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4.5 Moving the hoist

The SMOVE can be moved by following these steps:

- 1) Release the brakes of the SMOVE;
- 2) Move the SMOVE away from the wheelchair;
- 3) Check the patient's clothing;
- 4) Close the chassis legs to the narrowest position, making it easier to drive through the doorway;
- 5) Move the hoist to the desired location, e.g. the toilet, wheelchair or bed;
- 6) While moving, check that the patient is standing stable;
- 7) Check that the sling stays in place.

4.6 Sitting down

When lifting to the wheelchair, remove the wheelchair footrests or swing them away. Always put the wheelchair or bed on the brake before lifting the patient.

- 1) Drive the SMOVE up to the wheelchair, bed or toilet;
- 2) If necessary, spread the chassis legs.
- 3) If necessary, remove the patient's clothing before toileting;
- 4) Lower the lifting arm until the patient can fully sit down on the edge of the bed, wheelchair or toilet;
- 5) Check that the patient is sitting stably;
- 6) Put the hoist on the brake when the patient is left alone during toileting;

- 7) Keep the sling attached to the hoist and make sure it is slightly tensioned, this provides extra support for most patients;
- 8) Before walking away, always check whether the patient can be left alone and make sure the patient can operate the alarm if necessary;
- 9) Lower the lifting arm until the tension is off the sling and detach the clips or loops from the attachment points;
- 10) Unbuckle the support belt;
- 11) Remove the patient's feet from the footboard or ask the patient to do so;
- 12) Check that the patient is safely seated and drive the SMOVE away;
- 13) Remove the sling.





Always consider carefully whether it is safe to leave the patient alone in a certain position and for what length of time. Make sure the patient can access and operate an alarm in case of emergency.

5. Inspection & maintenance

5.1 Daily inspection


Before each use of the hoist and slings, attention should be paid to the following points.

	Check that hoist and sling are clean
	Check that the batteries are sufficiently charged
	Check that the castors of the hoist are clean and turn smoothly
	Check that all parts are properly secured and undamaged
	Check that all movements of the lift operate normally (up/down, opening/closing chassis legs)
	Check the sling before each use. Pay special attention to seams, stitching and loops. Check that the four safety clips are undamaged and that the closure is functioning correctly. Make sure that the stiffeners are in place when applicable.

	If the above inspection reveals a deviation, do not use the hoist or sling and inform the technical service or supplier immediately.
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5.2 Periodic inspection

In accordance with NEN-EN-ISO 10535, the hoist must be inspected at least once a year by suitably qualified personnel. All functional parts should be checked and at least 1 lifting cycle should be carried out with 75% of the maximum lifting weight. It is recommended to have the hoist inspected according to the guidelines described in the NEN-EN-ISO 10535 standard.

	Note: when inspecting the maximum load, the hoist should be loaded as in normal use. That is, by means of a downward force, testing the full high-low movement with 75% of the maximum weight.
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5.3 Maintenance

Preventive maintenance of the hoist should also be carried out at least once a year. Maintenance of the hoist can be a consequence of the inspection but may also be carried out separately. Maintenance is necessary to enhance the safety and life time of the hoist. A detailed explanation of the maintenance is described in the service manual of the hoist. Components must be replaced in case of any damages/defects. When replacing components, only use original parts from the manufacturer, which can be found with serial number in the service manual.

The local distributor offers the option of inspecting the hoist once a year under a maintenance contract. Contact your local distributor for more details about this.

5.4 Reporting

As described in NEN-EN-ISO 10535, inspection, maintenance and any malfunctions, damage or wear of each hoist should be documented. This also applies when inspection and maintenance is outsourced to a maintenance partner.


If any defect, damage or wear is found, the hoist in question should always be taken out of use immediately until further inspection and repair has taken place.

5.5 Cleaning

It is recommended to clean and/or disinfect the hoist after use. Use a damp cloth with warm water and a non-aggressive cleaning agent. Make sure the cloth is not soaked, but wring it out. The battery and charger should only be wiped with a dry cloth.

JOYinCARE recommends the use of Mikrozid® cleaning and disinfecting wipes.

For cleaning the sling, please consult the user manual of the sling.

	Do not use aggressive or abrasive cleaning agents.
	Be careful not to get the hoist too wet. This can cause problems with electrical components or lead to corrosion. Do not put the hoist in the shower.

5.6 Environmental aspects

All parts of the hoist should be recycled in accordance with the rules of the country where the hoist is used. At the end of its lifetime, the hoist can be returned to the distributor for recycling. JOYinCARE or the distributor will ensure that these parts are processed in an environmentally friendly manner.

For the following parts, ensure that an environmentally friendly method of disposal is used:

- Electronics
- Batteries
- Plastic parts

6. Troubleshooting

Check the overview below to resolve possible problems. If the following solutions do not solve the problem, contact the technical department or the distributor. Take the hoist out of use.

6.1 SMOVE touch&move

1. The touch&move driving support does not work

- Switch the hoist off and on again
- Check whether the emergency button has been activated.
If yes, turn the button to the right and switch the hoist back on.
- Check that the hoist is disconnected from the battery charger.
Remove the battery charger plug from the hoist and switch the hoist back on.
- Check that the hoist is switched on in the correct way.
 - Press and hold the on/off button for a few seconds.
 - The on/off button should not be hold for more than a few seconds. The hoist will then switch off again automatically.
 - Do not hold the push handle during switching on and starting up.
- Check the battery status
If the battery status indication light flashes red, the hoist needs to be charged.

2. Operation of the hoist by hand control does not work

- Check that the connector of the hand control is correctly connected.
- If there are no problems with operation by using the control panel, the problem can be solved by ordering a new hand control.

3. The hoist does not charge

- Check that the charging connector and plug are properly connected to both the hoist and the socket.
- Check that the accompanying charger is used, which can be recognised by the JOYinCARE sticker.

4. A beeping signal sounds

- Check whether the emergency button is activated.
- Deactivate the emergency button by turning it to the right and switch the hoist back on.

7. Contact details JOYinCARE

Manufacturer

JOYinCARE BV
Hullerweg 118a
8071 RP, Nunspeet
The Netherlands

info@joyincare.com
www.joyincare.com



Annex A: Technical specifications

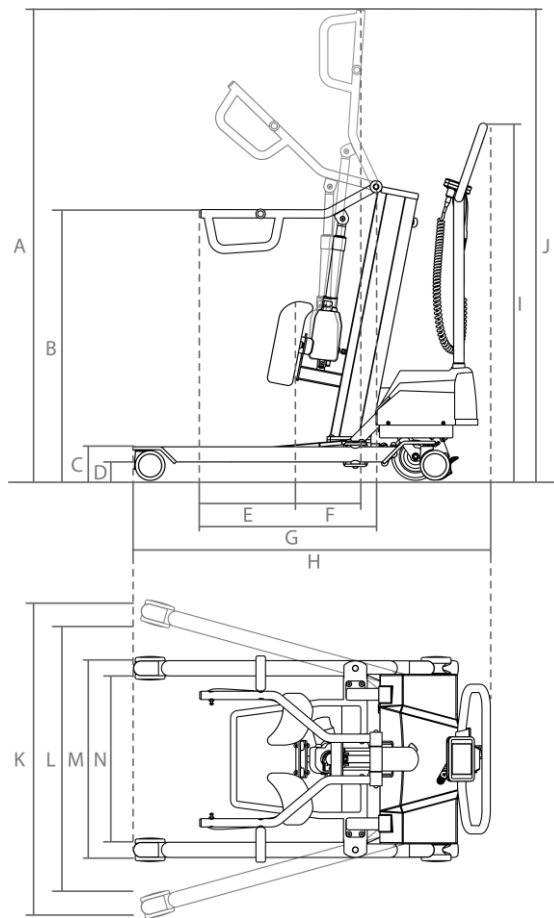


Figure 1. SMOVE touch&move 3.1

SMOVE touch&move 3.1			
	Part	Specifications	
A	Highest position lifting arm	158	cm
B	Lowest position lifting arm	90	cm
C	Height of the chassis legs	11.5	cm
D	Space under the chassis legs	6	cm
E	Reach lifting arm at highest position	31	cm
F	Reach lifting arm at lowest position	(-)23*	cm
G	Lifting arm length	59	cm
H	Full length	110	cm
I	Push handle height & minimum overall height	120	cm
J	Maximum total height	158	cm
K	Maximum width	105	cm
L	Internal width at maximum spread	90	cm
M	Minimum width	64	cm
N	Internal width at minimum spread	54	cm
-	Maximum turning radius	143.5	cm
-	Maximum weight	200	kg
-	Duration of complete lifting movement	15	sec
-	Total weight	80	kg

* Reach falls behind the knee pads

Battery SMOVE touch&move 3.1	
Part	Specifications
Battery type	Gel battery
Voltage	2x 12 V
Battery capacity	12.3 Ah
Battery charger type Mascot 2440	
Mains electricity (input)	100-240 V ac 50-60 Hz
Output	24VDC max 4A

Annex B: Identification labels

Explanation symbols



Read the user manual before use



Serial number



CE marking
Regulation (EU) 2017/745
Medical Devices Class I



Production date




Medical device



Manufacturer




Generic product label



Naam / name

productbeschrijving

product description






MAX gewicht / weight


Product specificaties / specifications

SN

XXX 000 0000




XXXX - XX



GTIN (01)

BATCH/LOT (10)

SERIAL (21)



JOYinCARE BV

Hullerweg 118a, 8071 RP Nunspeet

The Netherlands

www.joyincare.com



www.joyincare.com

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