made for movement

Users manual

Innowalk 2 Pro

CE UKCA

Users manual for Innowalk 2 Pro

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1. Introduction

We want to congratulate you with your choice of Innowalk 2 Pro. We at Made for Movement are dedicated to giving the possibility of movement to people with no or limited possibility for independent movement. Innowalk 2 Pro is an end-effector device that offers full-body robotic therapy in standing with weight-bearing for people with moderate to severe disabilities. Innowalk 2 Pro is developed to meet requirements for use in professional environments.
This users manual gives a detailed description on how to use the Innowalk 2 Pro and how the main adjustments can be made. In this manual "Innowalk" or “Innowalk Pro” can be used as abbreviations for the Innowalk 2 Pro.

Innowalk 2 Pro is delivered in two sizes: Innowalk 2 Pro Medium and Innowalk 2 Pro Large.
The Innowalk 2 Pro is delivered completely assembled.

Picture 1 – Innowalk 2 Pro

Disclaimer: Minor differences between images and real product can occur in the user manual.

2. Quick Guide

The quick guide is a short version on how to perform the pre-check before use, and how to transfer the user in and out of the Innowalk. The use of the quick guide presupposes that the patient has been assessed by a clinician with medical responsibility and approved to be a candidate for using the device and the Innowalk has been adapted to the users needs and limitations by the operator that has been trained in how to use the device.

The quick guide is available on our webpage: www.madeformovement.com

The latest version of this users manual is also available online and can be found by scanning the QR code in chapter 3 and by scrolling to the bottom of the landing page.

3. Daily Pre-Check

What is a pre-check?	Pre-check is a check performed to discover wear on important parts.
Types of pre-check:	**Daily**: The most important parts are checked daily before use. **Monthly**: Other wear parts are checked for wear once a month.
Why to perform:	To discover wear and replace worn parts before eventual part breakage.
Who to perform:	Trained operators. Only trained operators are allowed to check + operate the product.
What to perform:	The test-steps are described below.
What to do if error is discovered:	Contact your Made for Movement representative to agree on actions/repairs.

Daily Pre-check:

Daily, before use, the following shall be checked by the operator:

1. **Belts** – Check that all belts and seams are intact, without visible damages, and Velcro locks well.
2. **Back attachment to seat** - Push the back column in all 4 directions and check that the attachment is tight, and the attachment point is without damages.

Monthly Pre-check:

Once a month the following is to be checked by the operator:

1. **Belts** – Check that all belts and seams are intact, without visible damages, and Velcro locks well.
2. **Chest and hip support** – Push, pull and rotate the chest and hip support in all directions. Check that all parts are tight.
3. **Back attachment to seat** - Push the back column in all 4 directions and check that the attachment is tight, and the attachment point is without damages.
4. **Guide-strap** – Check that the guide strings/straps and seams are intact, without visible damages.
5. **Leg support** –Check that the leg support swing-out function locks into its position.
6. **Electrical system** – Check that no cables, buttons or electrical parts are damaged.
7. **Covers** – Check that the covers are without cracks or holes.
8. **Remote control** – Check that the remote housing is without any cracks or holes and remote cable is without damages. Press each button for 1. sec to check that all functions work.
9. **Strange sounds** – Check that there are no dissonance, strange sounds or metal friction sounds in the electrical or mechanical system.

Contact your Made for Movement representative if errors are discovered to agree on actions/ repairs. Don't use the product before this is settled.

For more tips on how to execute the pre-checks, scan the QR code and examine the Pre-check instructions given.

4. Transfer in/out and attach the user

4.1 Preparations

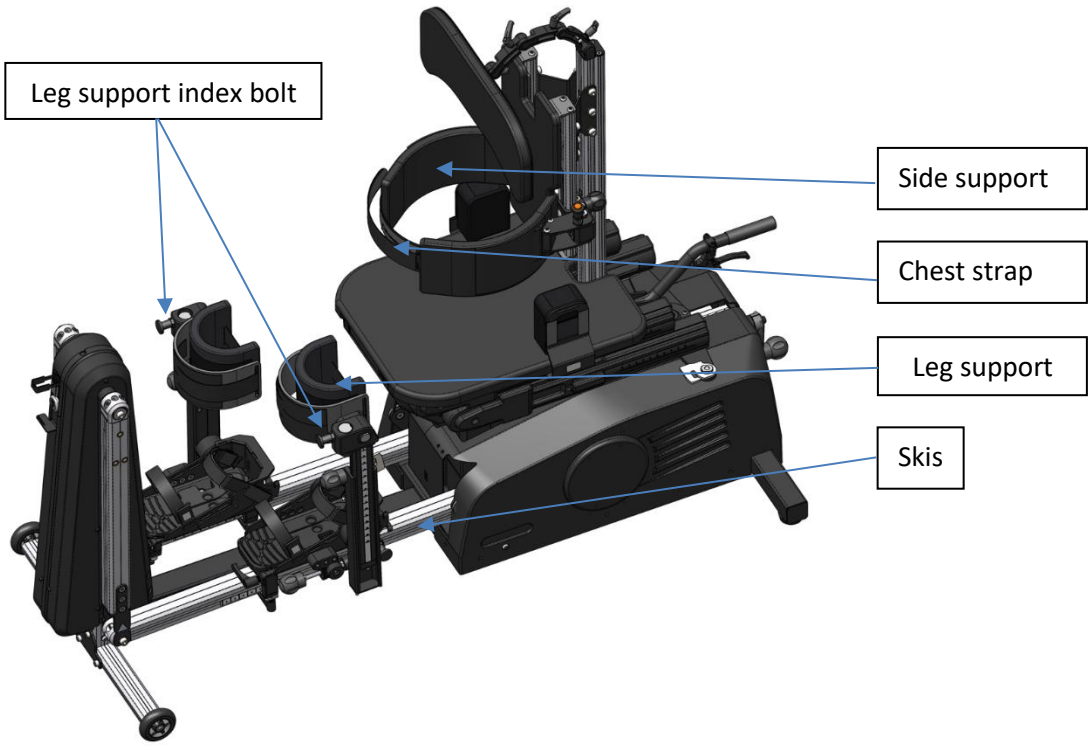
If this is the first-time use, adapt the Innowalk for the user first (chapter 6). This section presupposes that the user has been assessed by a clinician with medical responsibility and approved to be a candidate to use the device.

Make sure that the Warnings chapter 7.5 is read and fully understood before using the product.

Prepare the product before the user can be transferred to the Innowalk:

- Open the chest and hip belt.
- Swing out the chest support.
- Rotate the swivel seat (if this function is used during transfer)
- Lay down the leg supports on the skis. The leg supports can be lowered even further by doing the following: release the index bolt on the leg support and pull the upper part of the support upwards. Pivot the leg support to the side and lay down the leg support parallel with the skis. This allows more open access for transfer and to position the users feet on the footplates.

The Innowalk is now ready to be used and the user can be transferred to the Innowalk.

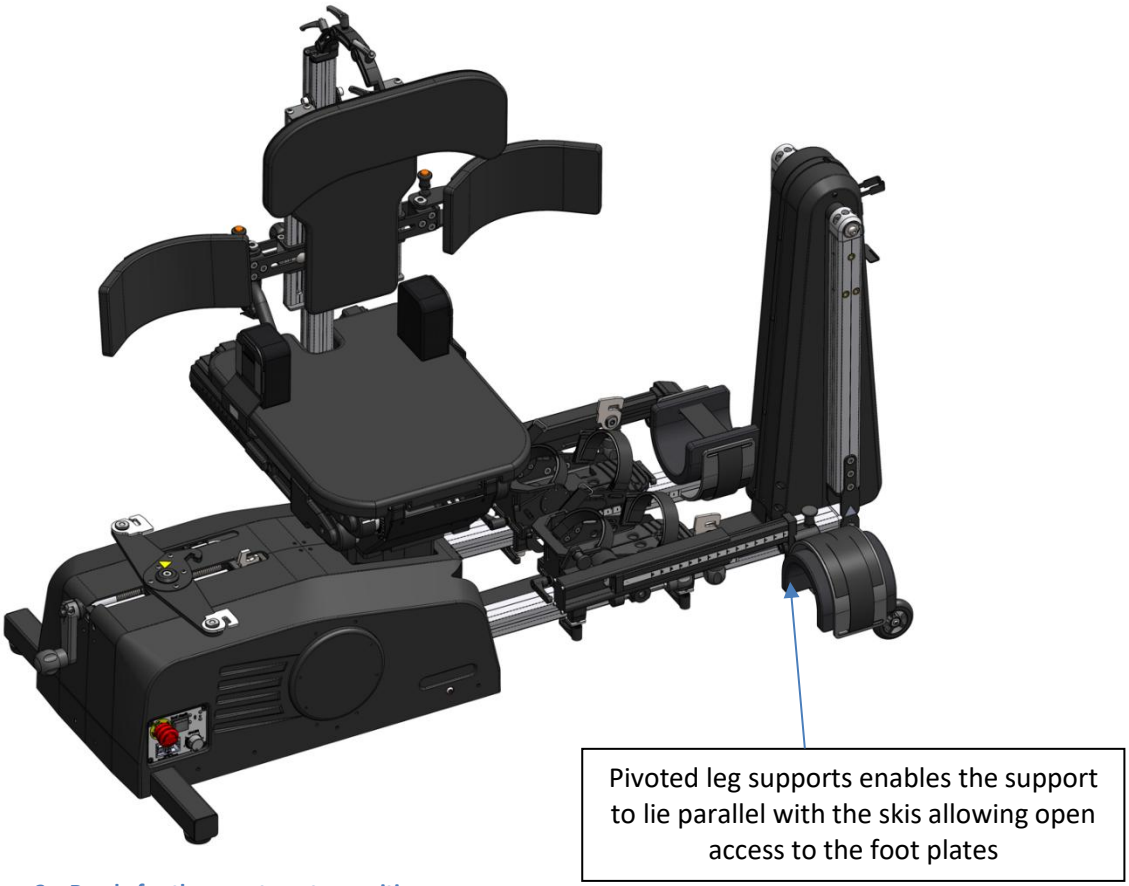


Picture 2 - Preparations before transferring

4.2 Transfer into the Innowalk

The user can now be transferred from its origin position to the seat of the Innowalk. It is important that the seat of the Innowalk is in sitting position and in an adjusted height level enabling easy transfer from origin position. The seat height is adjusted electronically from the remote control. Lower and rotate the seat to ease the transfer from eg. a wheelchair. The person who assists in the transfer of the user, should place his/her body in a position which makes the transfer as light and as short as possible. The person should use appropriate transfer techniques to reduce the risk of hurting him/herself or the user. It is recommended to use a hoist system in cases where manual transfer is not safe.

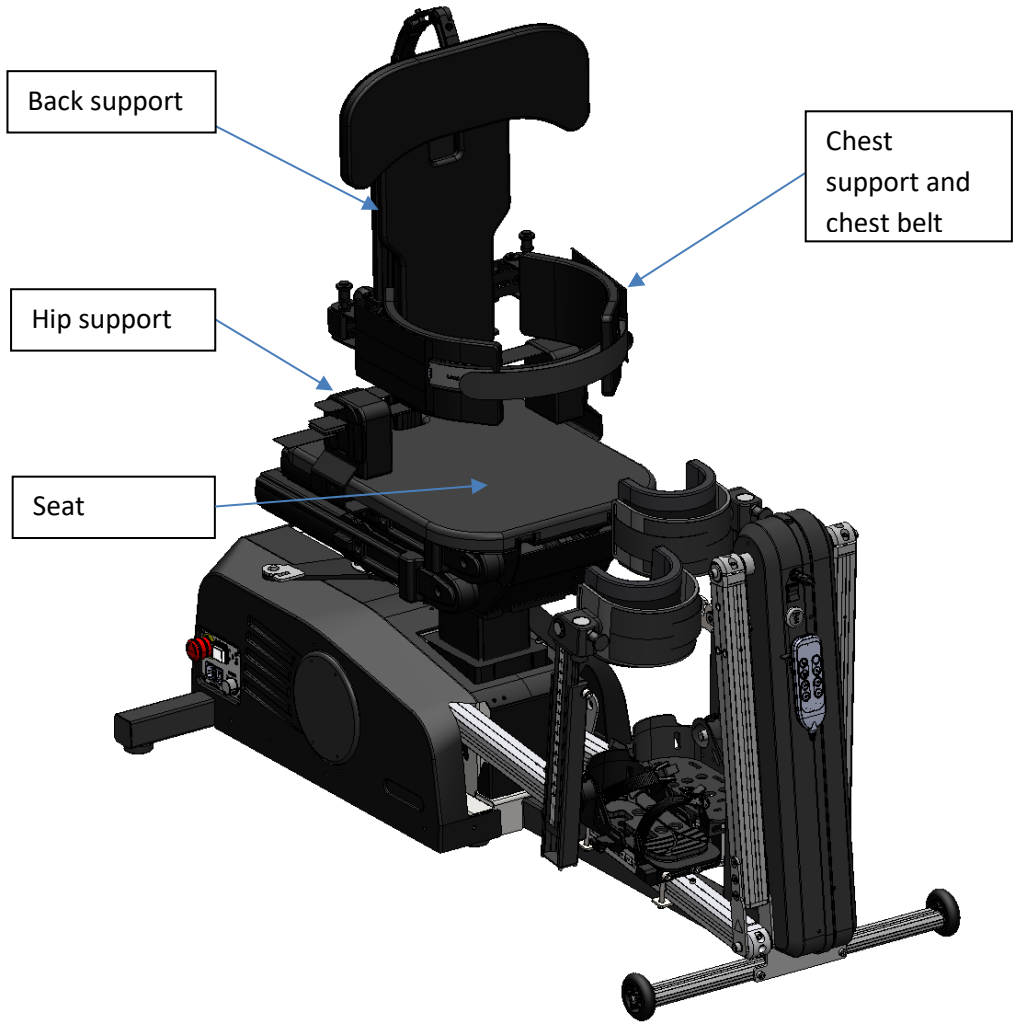
To protect both the user and the operator, it is recommended to use a hoist system.



Picture 3 – Ready for the user to enter position.

4.3 Secure the user

When the user has been transferred to the seat of the Innowalk, it is important that the upper body is supported by the back support, the chest support is closed, and the chest belt is secured. The hip belt shall always be attached as a double security, but in a loose position during raising up and lowering down the user.



Picture 4 – Secure the user

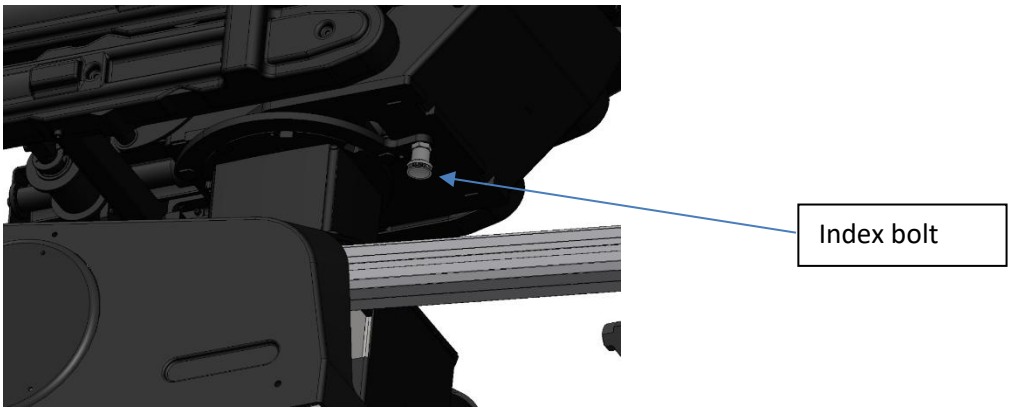
Important: Support the users upper body, when positioned on the seat, until the chest support is closed, and the chest belt secured.

Important: Always use both chest support, chest and hip belt in standing for double user safety. If the user has good upper body control the support and belts can be loosened to enable more mobility, but they shall never be opened or removed during use.

4.4 Rotate the swivel seat

Pull down and turn the index bolt under the front of the seat towards yourself to release the locking mechanism for the swivel seat. Rotate the seat gently towards the forward-facing position, while carefully paying attention to the users feet getting into the right position on the foot plates. Make sure that the feet do not get tangled or obstructed while rotating the seat. The index bolt locks automatically when back in its starting position. Pay attention to the users hands when turning the seat so the hands don't get caught under the seat, as this can cause pinching to the fingers/hand. The user should preferably have the hands in front of them when turning the seat.

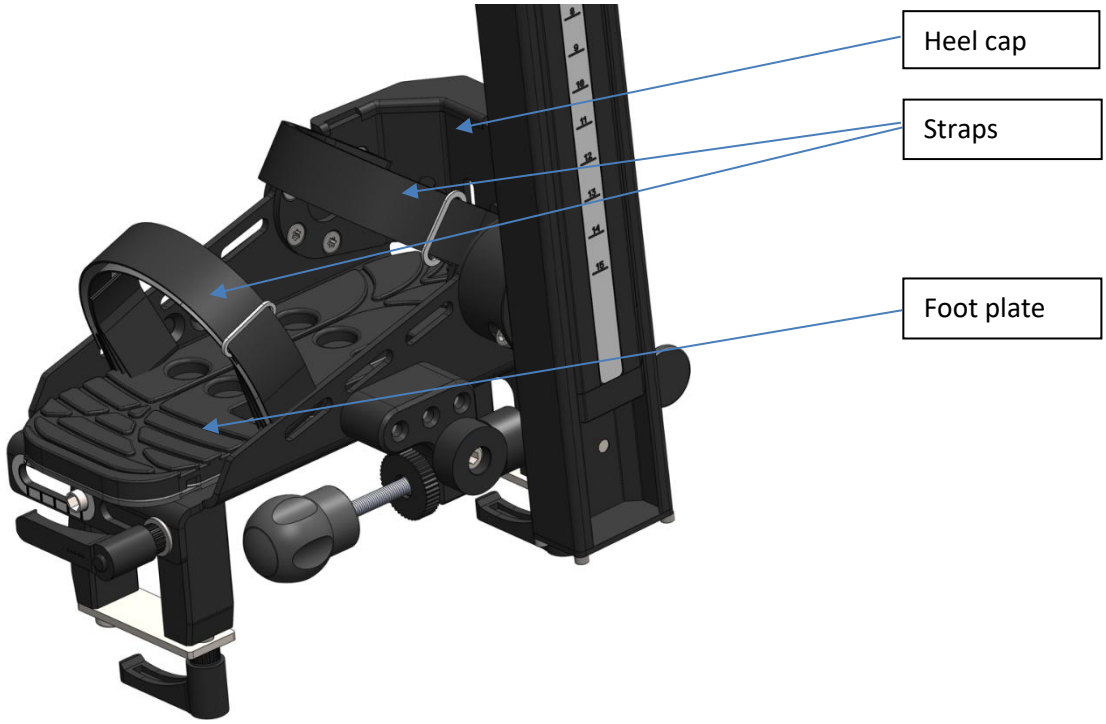
Tip: If the seat is in a very low position when the user is entering the product, the seat should be elevated into right position (use the seat elevation remote button) before the seat is rotated back to front position. This allows easier access of the users feet to the foot plates. Always make sure the users feet are unobstructed during the movements.



Picture 5 – Swivel seat Medium and Large

4.5 Secure the foot straps

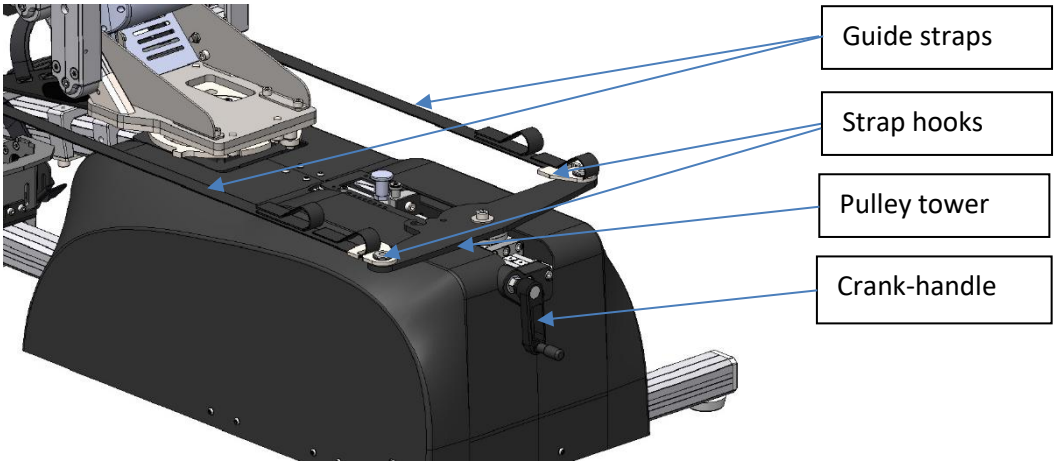
Place the feet on the foot plates. Make sure that the users heel is in contact with the heel cap on the foot plate. Pull the straps over the feet, through the roller clip and tighten securely. It is important that the straps have enough tension to avoid the feet from moving and getting into an incorrect position.



Picture 6 – Secure the foot straps

4.6 Attach the guide-strap to the leg support

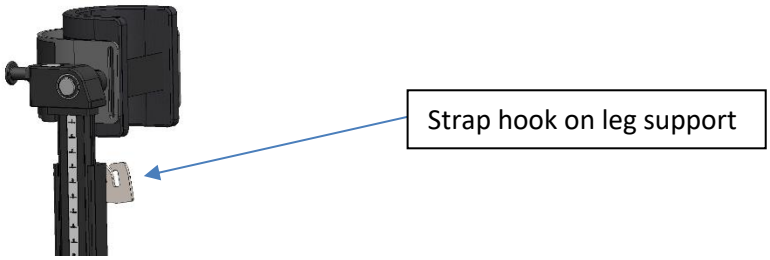
To attach the guide-strap to the leg support, it might be necessary to reduce the tension on the guide-strap first. Please refer to chapter 6.10 for more information about how to operate the pulley tower.



Picture 7 - Pulley tower and crank-handle with guide straps

Lift up the leg support and position the upper part of the leg support below the users knee**.** **Make sure that nothing can cause pressure on the users leg, when attaching the leg support. Be aware of folds in the clothing etc.** Secure the strap on the back of the support.

At each end of the guide-strap there are loops. One end is attached at the leg support hook, and the other end at the pulley hook. The loops on the guide-straps can be used to tailor the alignment of the user in the Innowalk. Which loop used is defined at first time set-up of the user and should not be changed during use.



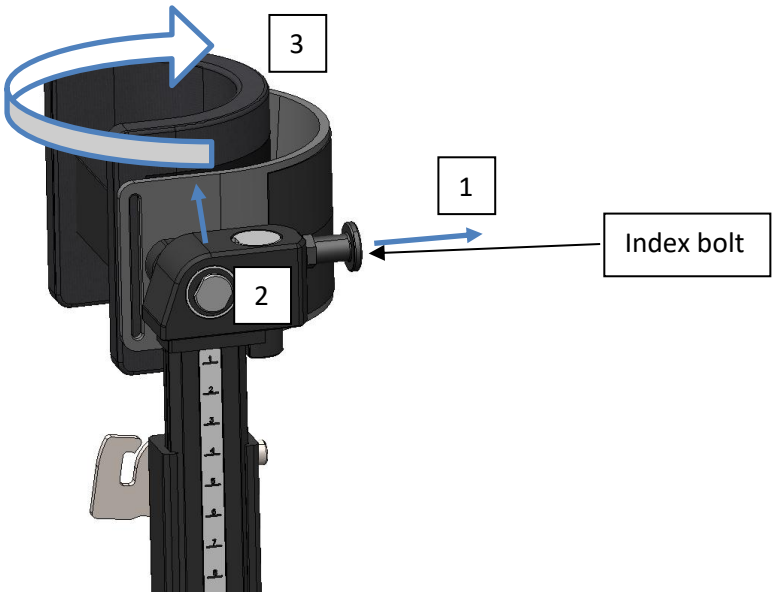
Picture 8 - Leg support hook

Length of guide-strap:

The position of the leg support is adjusted by the length of the guide-strap.To provide an optimal position of user/patient, define the right length on the guide-strap. The guide-strap length is adjusted by using the crank-handle at the back of the device. Clockwise turning – to shorten the guide-strap. Anti-clockwise turning – to lengthen the guide-strap. In most cases the length of the guide-strap is handled by using the crank-handle. In case there is a need to shorten the guide-strap even more, the loops on the guide-strap can be used.

Swing out upper part of the leg support:
If a hoist is used for transfer it is recommended to release the index bolt and swing away the leg support and leave the guide-straps on the hooks. This allows for open access to the seat and reduces handling time.

Swing out the upper part of the leg support: 1. Pull out the index bolt. 2. Lift the leg support upwards 3. Rotate it. Reverse to turn it back. Make sure that the upper part of the leg support locks securely when it is returned.



Picture 9 – Swing out upper part the leg support

Important: The tension over the users knees is regulated by adjusting the length of the guide-strap. Note that the length of the guide-strap is in accordance with the users joint mobility. Too short a strap can lead to overstretching of the users knees, which in the worst case can lead to damage to muscles and joints.

Important: Make sure that the guide-strap isn't touching any parts of the Innowalk during use. This will cause damage and/or wear of the guide-strap.

Important: Before attaching the guide-strap to the leg support, ensure that the guide-strap is undamaged and moves freely with the pulley tower. If the guide-strap is worn, it must be replaced before the Innowalk is used again.

4.7 Transfer the user out of the Innowalk

Important: Always loosen the hip belt before lowering the user to a sitting position. This to prevent the belt from pressing into the stomach during sitting down.

Stop the leg movement by pressing the “Stop” button on the remote control. Loosen the hip belt. Push the “down” button on the remote control until the user is in a sitting position. Hold onto the guide-strap to control the tension when going from standing to sitting position (the person assisting the user can put pressure on the guide-strap with his/her foot. Your MFM representative will show you how). Make sure that the user is secured at the seat while he/she is being released from the Innowalk. Un-hook the guide-strap from the leg support and release the feet from the foot plates. Rotate the swivel seat, if used, for easier transfer out. Make sure the seat is in locked position before the user is transferred. Always pay attention to the users legs when rotating the seat to ensure the feet move freely and are not tangled or caught. When the seat is rotated out to the desired position, the seat may be lowered further if it’s not already at the lowest position. Pay attention to the users feet during lowering, and also make sure that the hip belt do not press towards the users hip/stomach when lowering.

The chest belt and chest support can now be released and turned out to the sides. Support the user carefully to avoid them from falling. The user is now released from the Innowalk and can be transferred out of the device either manually or using a hoist system.

Disconnect the plug from the Power supply to the Innowalk when the session is finished.

Important: Always remember to disconnect the device after use.

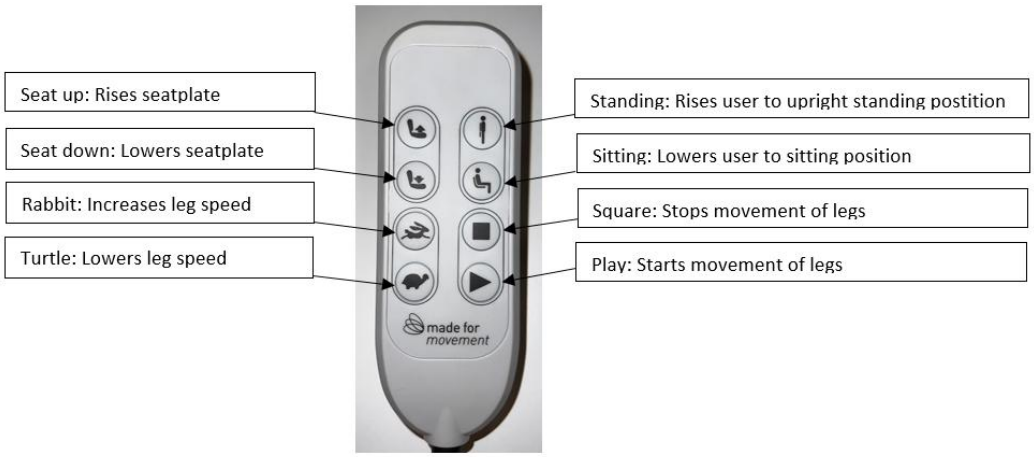
Important: Ensure that the user is completely released from the Innowalk before being hoisted out of the device. Make sure that the users legs don’t get caught in the leg support or other parts of the Innowalk when being transferred.

5. Use

When the user is securely placed in the Innowalk, the movement can start. Release the Emergency stop button by turning it and set the Power switch to "1". The Innowalk will now run a start-up sequence. Do not press any buttons during the start-up sequence. Please wait until the Innowalk makes two short beeps. The Innowalk is ready to be used after the two beeps. *(If you press any buttons during the start-up sequence, then the start-up will fail, and you need to unplug the Innowalk, wait 30 seconds, and redo the start-up sequence as described above).*

Important: The responsible person supervising the use of Innowalk is responsible for all adjustments made by the remote control and shall have received training before operating the remote control.

5.1 Remote control



Picture 10 – Remote control

The Innowalk Pro Medium and Large uses a 8-button remote.

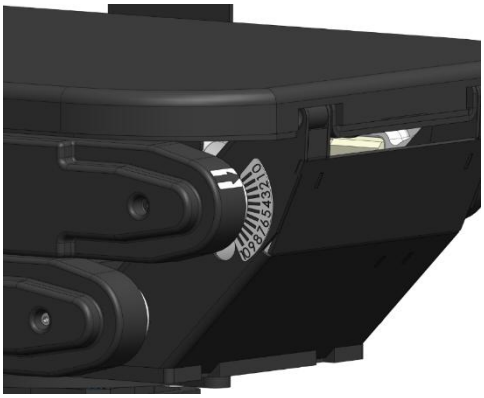
To activate the functions on the Innowalk buttons on the remote control needs to be pressed, and on some buttons held down. The Innowalk has no autonomy, as all state changes are executed by button pressing and/or holding down a button. The following operations can be executed:

Start/Stop: Press and hold the start remote-control button for 2 seconds to start movement. This starts the elliptical movement of the legs. Pay close attention to the users legs during start-up, and make sure the user does not experience any discomfort when moving his/her legs. To stop the movement, press the stop button. To start or stop the leg movement, one short push of the button is enough.

Speed up (rabbit) / slow down (turtle): Press one or multiple times on the remote-control speed button to alter the speed. The movement speed can be increased or decreased by pressing these buttons. Always pay close attention to the user when increasing the speed, and always increase speed in small steps to ensure that the user is comfortable with the speed and speed increase. Never ramp up to max speed by holding the speed up button in until the unit is at max speed, as this may cause discomfort for the user or in worst case injure the user. The adjustment of the speed is step-less adjustable

Standing up / Sitting down user: Press and hold these remote-control buttons to use these functions. Release the button to stop the stand up/sit down motion. This raises the Innowalk seat from sitting to standing, and back again. During standing the operator needs to pay close attention to the users legs and especially the knees and hips to make sure that the seat is not raised more than suitable for the users joint mobility and positioning in general. During standing up/sitting down the operator should apply some pressure on the guide-strap with his/her foot to maximise the best user body alignment during this operation. The level of pressure is dependent on the user weight. Best practice is instructed during operator training of the product. Before standing up / sitting down the hip belt needs to be loosened (not removed) to avoid pressure on the stomach and hip area.

Under the seat there is a scale that shows the level of inclination between sitting and standing. When the responsible person sets up the Innowalk for the user, the max standing inclination the user shall be raised up to, should be noted down. During use the inclination must never exceed the noted level, as this can cause injury to the user.



Picture 11 The inclination ruler under the seat.

Seat height up/down: Press and hold these remote-control buttons to use these functions. Release the button to stop the stand up/sit down motion. The seat height buttons on the remote control rise and lower the seat height (measured from the floor to the seat). This is particularly beneficial in for transferring from a wheelchair to the Innowalk seat. Lowering the Innowalk seat equally to where the user is transferred from, allow easier and more comfortable transfer or self-transfer. Make sure the seat height is adjusted back to the defined seat heigh, with careful supervision, before the user is raised up into standing. A scale is located on the lifting column under the seat to allow the operator to easily stop the seat at the desired height. Usually the users starting sitting position is around 90 degrees at the knees with the feet are attached to the foot plates.

Tip: For easier transfer the swivel seat function can be used (manual) in combination with adapted seat height.

Every time a button is pushed, a beeping sound can be heard from the Innowalk. This is an acknowledgment tone. This is normal.

Important: When electricity is connected to the product, please wait until a beep can be heard before using the remote control

Hazard: Please remember there is a great possibility for trapping of fingers or any other body part if hands come in contact with the swivel seat, the e-seat, the raising/lowering mechanism underneath the seat or the skis while the Innowalk is operating.

Important: Do not leave Innowalk unsupervised while in use!

Important: Always pay close attention to the user during standing up/sitting down!

Important: Never increase seat height more than what is possible and safe for the user!

Important: Do not use a higher speed and acceleration than what is possible and safe for the user!

Important: If the remote control accidently is dropped on the floor or in another way is damaged, then check that the housing and buttons are intact, and test all functions before using the Innowalk with a user again. If the remote control is broken, do not use the Innowalk, and order a replacement remote control from your Made for Movement representative.

Disclaimer: There may be minor differences between the placement of the buttons on the remote control in real life and on the images. The functions are the same.

5.2 Speed indication

The speed of the leg movements on the Innowalk is controlled by the remote control. Start speed is set to be approximately 10 rpm (revolutions per minute) when you press the “start” button.

The speed of the leg movement is gradually adjustable up to the maximum speed of 85 rpm. The adjustment of the speed is performed by pressing the “Rabbit”-button for increased speed, or the “Turtle”-button for reduced speed. If you press and hold the “Rabbit” or “Turtle”-button, the Innowalk will slowly and linearly increase speed to maximum or decrease it to the slowest speed. The acceleration speed can be adjusted by a consultant from Made for Movement or its representative. The Innowalk stops immediately when the “stop” button is pressed.

The Innowalk is designed to allow the user to override and walk “faster” than the motor. If the user walks faster than the motor and then slows down again, the motor will catch up the movement and continue to move the users legs as normal.

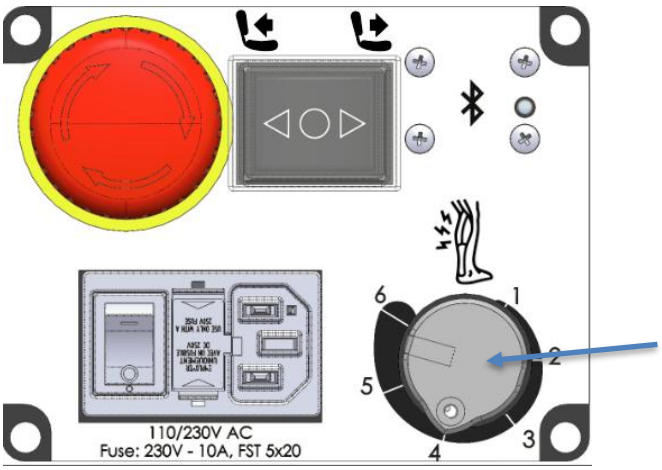
5.3 Spasm Control

The Innowalk has a spasm control function, where the objective is to stop the Innowalk if the user has a spasm in the legs. The level of resistance required from the spasm to activate the spasm control is defined and set by a clinician with medical responsibility who has received training. The spasm resistance level is set individual for each user. If a user has a spasm that exceeds the threshold set, the Innowalk motor will pause. When the spasm is over, the Innowalk will slowly start again.

The adjustment is performed by turning the indicator between the values of 1 to 6, where the higher value indicates that more force is required to trigger the spasm control. When the user has a spasm and the force exceeds the set level on the spasm control, the Innowalk immediately pauses the motor. If there is a need to adjust the spasm control, this can be done by turning the spasm control indicator. Please bear in mind that adjustment of the spasm control must only be executed by a responsible operator. Wrong use can injure the user.

Spasm control details:
The spasm control on the Innowalk is adjusted by the potmeter that is attached to the indicator knob that is turned to the values between 1-6. 1 is the lowest level and 6 the highest level. At level 1, little force is needed to activate the spasm control and stop the movement of the legs and at level 6, a higher force is needed to activate the spasm control and stop the leg-movement. The potmeter technology does not indicate completely accurate measurements. The indicator is stepless, so it can be placed anywhere between 1-6. Setting the spasm control level shall be performed in close cooperation with the user and/or medical responsible clinician/operator to ensure correct adjusted spasm control. Always be aware of any potential contraindications, injuries, damages, illnesses, diseases so the use of the Innowalk is safe for the user.

Factors like running temperature, crankarm position, foot plate position and downward force also influence the spasm control.



Picture 12 Spasm control indicator.

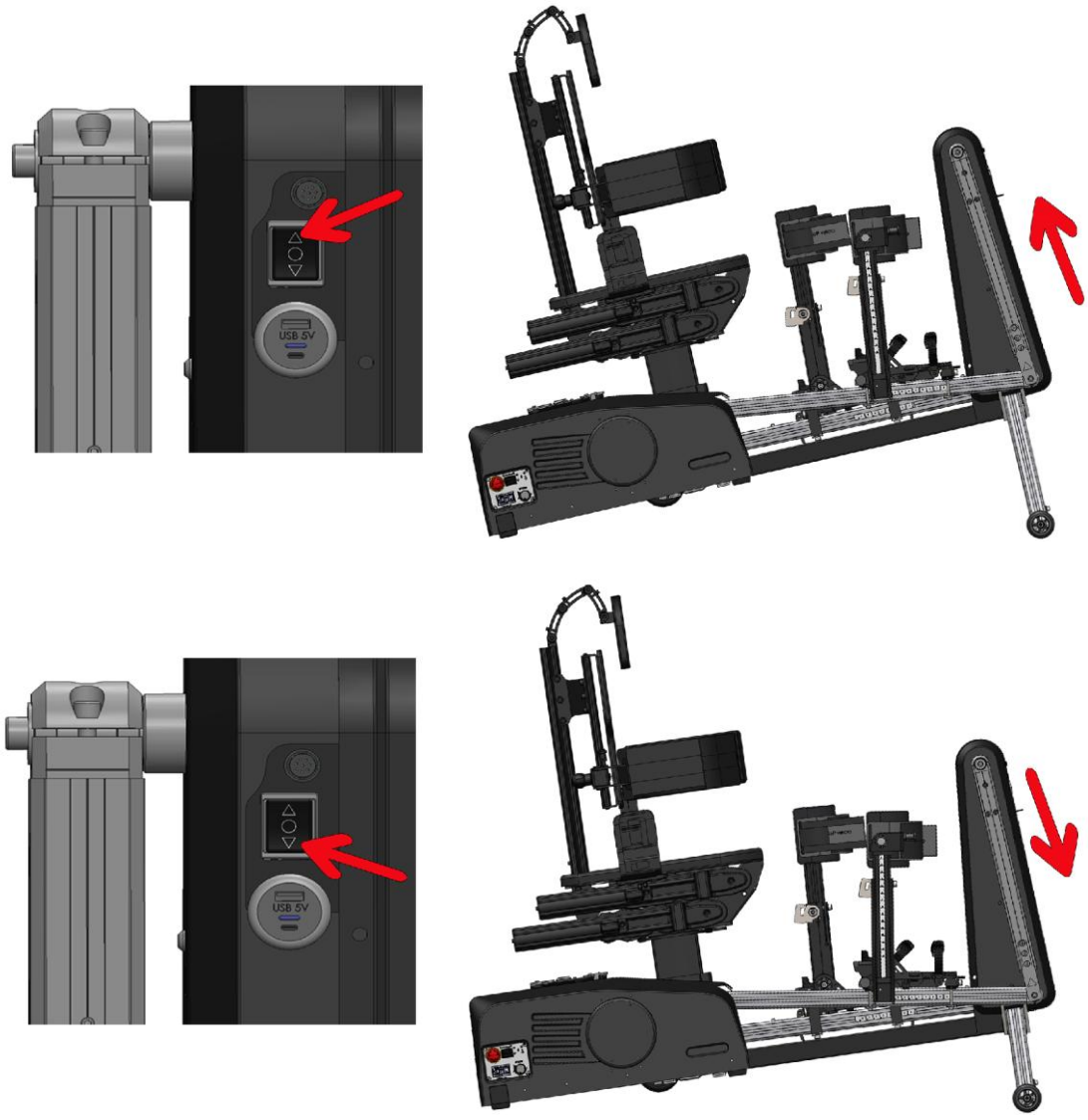
5.4 Front tilt

The front tilt function is especially designed to be used if the user has reduced trunk and/or head control. The front tilt allows for a more reclined sitting and standing position. The reclined position ensures easier positioning of the user when transferred in and out of the device in sitting, but also to make it easier for the user, if weak, to hold the head and upper body in an upright position while in standing.

If desired, the tilt can be lowered before the movement starts.

Front tilt function should not be used when the swivel seat function is used during transfer.

Front tilt up/down is operated from the front tilt on the Innowalk Pro.



Picture 13+14 – Adjust the front tilt from the control panel

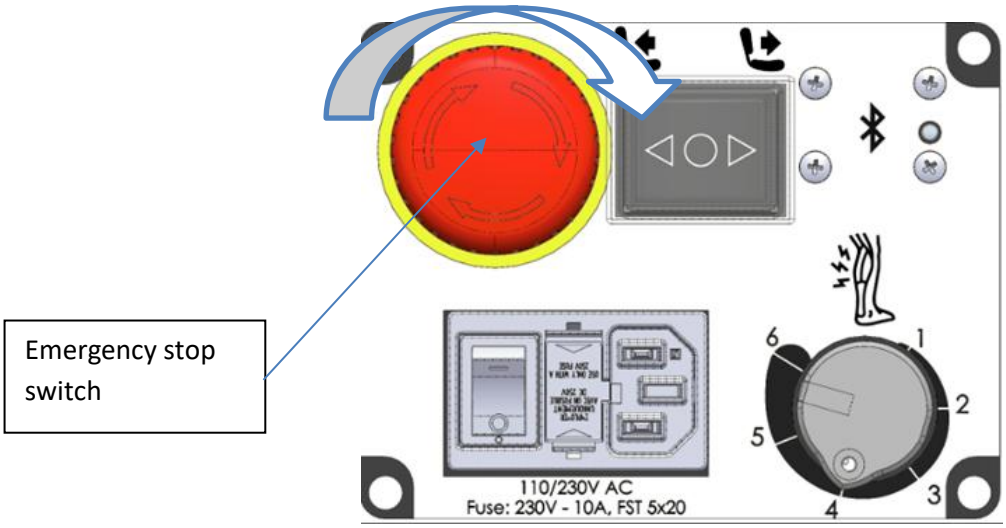
Every time a button is pushed, a beeping sound can be heard from the Innowalk. This is an acknowledgment tone.

USB Charging: The front tilt has an USB charger plug that can be used to charge eg. a tablet or phone. The USB plug has no other function than charging.

5.5 Emergency stop

Innowalk is supplied with an emergency stop switch. This switch is located on the right side of the motor cover. If needed, push the emergency stop switch to stop the motor and cut all power to the Innowalk. To release the emergency-stop switch, turn the switch in the direction of the arrow until it pops out again. The system will now have power and all functions will be operational.

If the emergency stop button does not work the power cord can be disconnected from the wall outlet, and this will cut the power to the Innowalk.



Picture 15 - Emergency stop switch

5.6 Duration of use

Frequency, duration and intensity of use is decided by the responsible clinician in accordance with the individual's ability.

Start out with low frequency, duration and intensity in the device and gradually increase those parameters in accordance with the individual users physical condition, fitness, and tolerance of the activity.

During use of the Innowalk carefully observe the following:

- Inappropriate alignment (e.g. Pelvic rotation, flexed knees, asymmetry, limited upper body and head control)
- Hyper extension of the knees
- Heels lifting from the foot plate
- Signs of discomfort (e.g. sweating, pale skin tone, facial expression)
- Pain
- Fatigue

In general, observe reactions that might occur due to new or changed physical or physiological conditions.

If inappropriate alignment, hyper extension of the knees or heels lifting from the foot plate:

- Stop the use of the device and readjust the Innowalk. Consult with the medical responsible clinician if needed.

If signs of discomfort, pain, or fatigue are observed:

- Stop the use of the device and consult the responsible clinician before resuming use.

Operating time: Max 1 hour continuous use on each session.
Cooldown/pause: Minimum 10 minutes equipment pause needed between each use session.
Use category/classification: Non-continuous operation.
The positioning actuators and e-seat motor may operate continuously for up to 4 minutes, followed by a required 30-minute cooldown period.

Important: The Innowalk needs to be given at least ten minutes of cooldown time between each session.

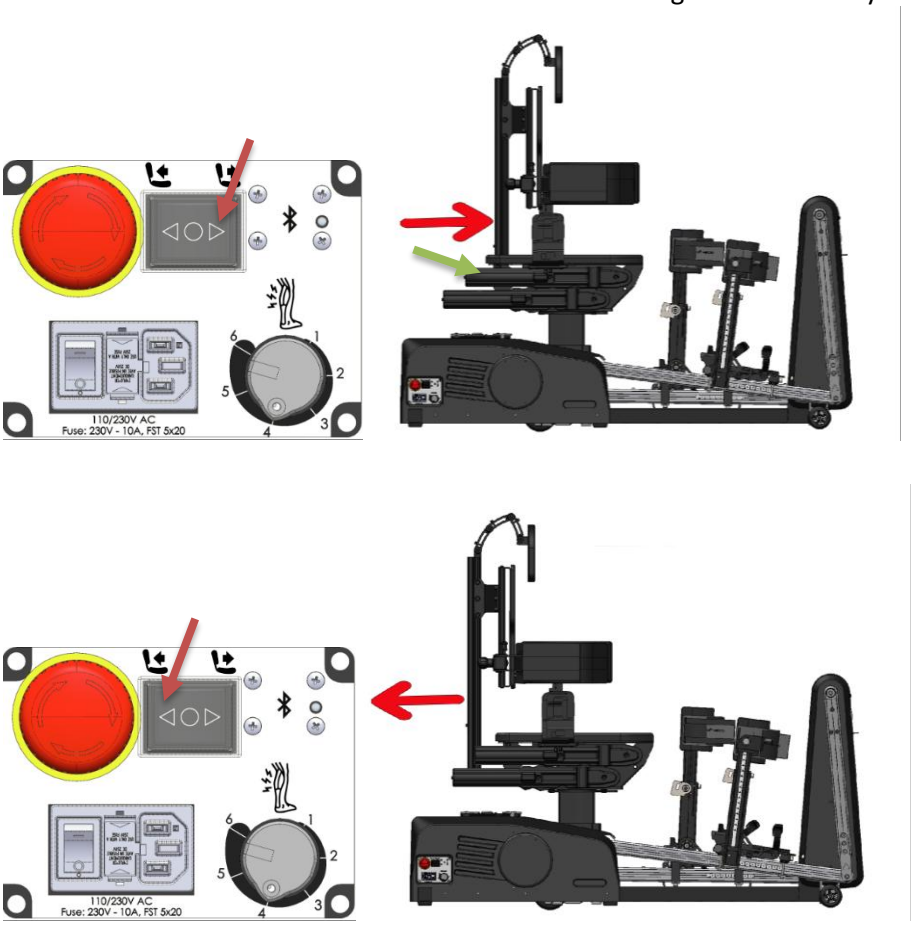
Innowalk will automatically come to a stop after 1 hours use. If the spasm control has been activated, the Innowalk will stop 1 hour after the last spasm control activation. This function is not for safety.

5.7 E-Seat (electronic seat depth adjustment)

The Innowalk Pro Medium and Large has an electronically adjustable seat depth. The depth can be adjusted with the switch on the side control panel.

By pressing the right arrow, the seat depth will be decreased to fit smaller users -. By pressing the left arrow, the seat depth will be increased to fit larger users –. See illustrations for reference.
The ruler on the E-seat (placed at the green arrow) indicates approx. measurements in cm from the knee joint to the trochanter of the user, for faster preliminary adjustment of the e-seat.

Adjustments shall be done primarily before the user is placed in the product. Very minor adjustments can be done with the user in but needs to be done with great care and by a trained operator.



Picture 16+17 - Seat depth adjustment

Important: Never increase or decrease the seat depth with the hip belt tightened!

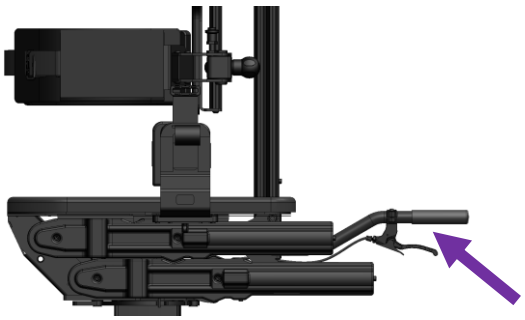
Important: Always pay close attention to the user during seat depth adjustments!

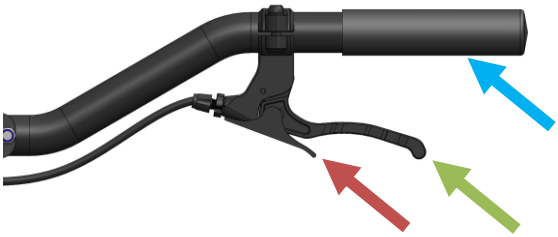
Important: Never increase seat depth more than what is possible and safe for the user!

Important: Do not run the e-seat more than 4 minutes continuously.

5.8 Emergency release: Stand to sit

Innowalk Pro Medium and Large is equipped with an emergency seat lowering mechanism. The mechanism is located at the bottom of the back column (purple arrow). In the event the machine loses external power or the remote control does not work, the user can be manually lowered to a seated position. To activate the emergency lowering, the safety lock on the handle must first be released.
The emergency release feature should in normal working conditions not be used.





Picture 18+19 - Emergency seat lowering mechanism

How to use the emergency lowering mechanism:
1. The operator presses the safety lever (red arrow). The emergency release lever can now be used.
2. The operator presses the emergency release main lever (green arrow). The seat is now loose and can be lowered.
3. The operator holds the handle (blue arrow) and slowly moves it backwards. The seat moves back and down. As the seat is moved down it becomes increasingly heavier for the operator to hold due to holding up the weight of the user. If it becomes too heavy, release the main lever and the descent will stop. If possible, we recommend two persons to operate the emergency seat lowering to minimise the risk of injuring the operator.
4. Lower the seat to the lowest position.
5. Release the main lever to its original position.
6. Help the user out of the Innowalk.

If emergency lowering has been used:
1. Ensure that no persons are in the Innowalk.
2. Execute “homing”. See chapter 7.9 Troubleshooting for how to execute homing.
3. Run the seat from sitting to standing to sitting with the remote control.
4. If everything works fine, then the product is ready for use again. Contact you Made for Movement representative for support if something is not working as intended.

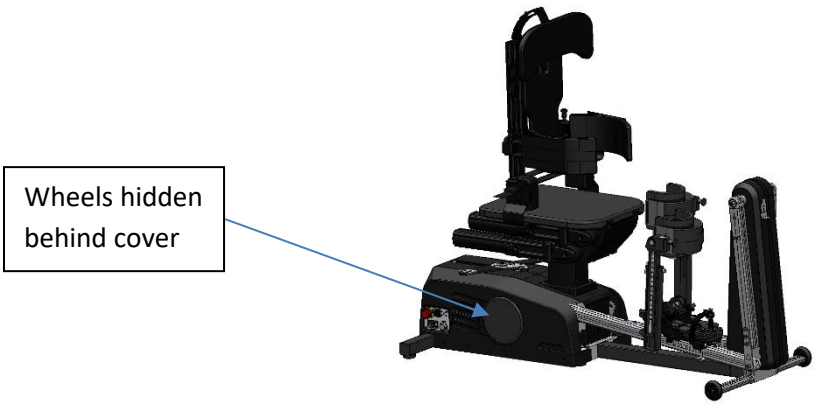
Important warnings:

- It is imperative that the seat is supported by the operator when lowering it as it does not have a brake. If the seat is not supported after releasing the main lever, the user and the seat will fall back and crash into a seated position.
- Keep your hands away from all mechanical parts when using the manual emergency release.
- Possible pinch danger hazard when using the emergency release.
- Emergency release can cause serious injury if used incorrectly or operator is not strong enough to use the emergency release alone. Get help if possible.
- Only trained persons shall operate the emergency release.
- For emergency use only, extensive use will damage the actuator.

Tip: One extra person can support the column on the Innowalk with both hands, while the operator is operating the main lever.

5.9 Transport wheels

The Innowalk is delivered with built-in transport wheels to ease transport of the product.
The wheels are hidden behind the side covers of the product and are lowered by using the crank arm on the pulley tower.



Picture 20 - Transport wheels placement

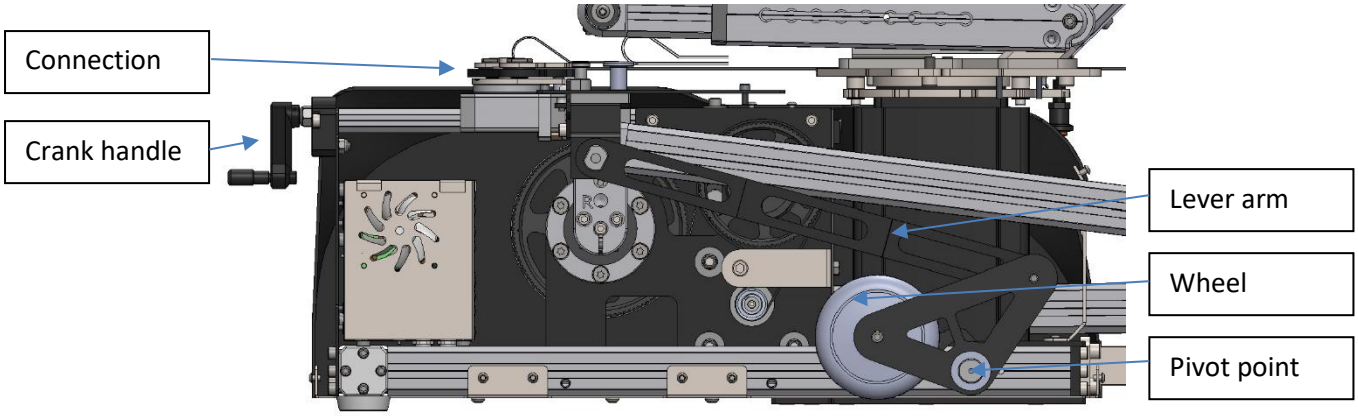
Important: The transport wheels must never be used when a person is in the Innowalk!

Important: The transport wheels must never be in contact with the floor during use!

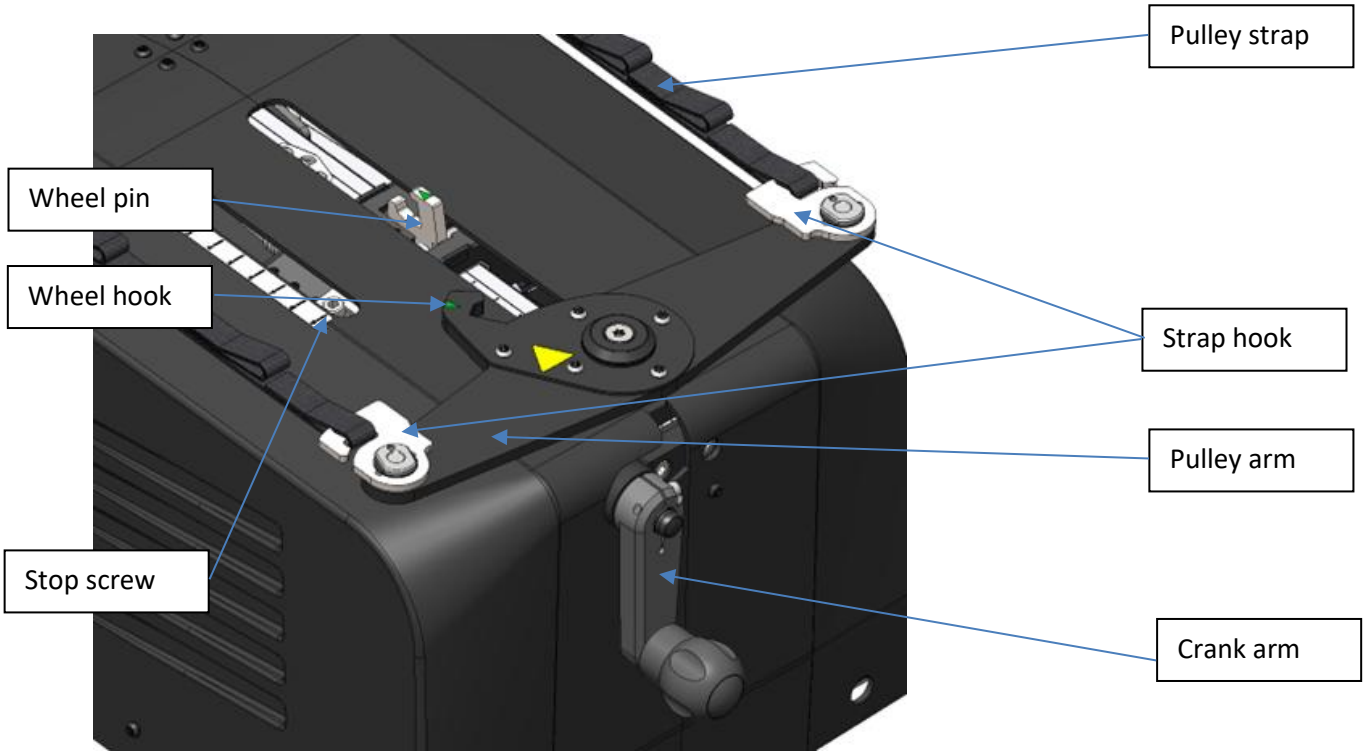
Important: Please be careful when transporting the Innowalk over obstacles such as door frames, uneven ground etc. as rough handling over obstacles can damage the transport wheel solution. Preferably place the transport wheels in parallel to the obstacle as there is much less chance to damage the wheels is force is applied evenly.

Important: The use of the transport wheels requires training from a trained Made for Movement representative to avoid any potential wrong use.

The transport wheel mechanism:



Picture 21 - Transport wheels visualized (under the cover)



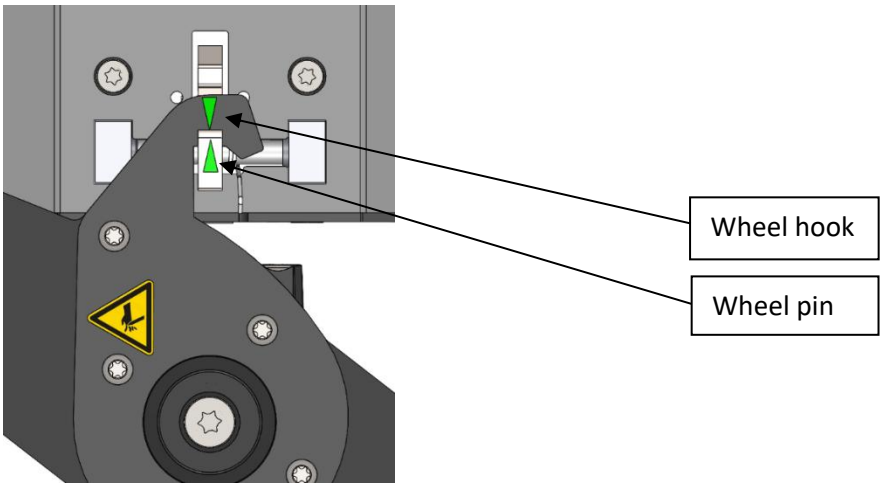
Picture 22 - Transport solution activation mechanism

To activate the transport wheels:

1. Make sure no person is in the Innowalk when activating/using the transport wheels.
2. Turn the crank arm anti-clockwise so the pulley arm moves in the direction of the seat.
3. Swivel the pulley arm so the wheel hook can be attached to the wheel pin. Make sure the hook is positioned so the 2 green arrows point towards each other (see picture below).*
4. Remove the pulley strap from the strap hook on one side.

5. Turn the crank arm clockwise until the wheels are lowered to the ground (the crank arm turning pulls the lever arm toward the pivot point and the wheels are lowered. This is a bit heavy and this is normal).

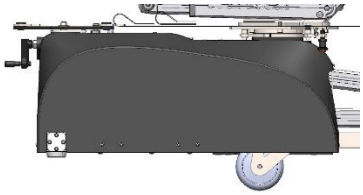
** The 2 green arrows must point directly at each other for safe use of the transport wheels. See picture below. The transport solution can be damaged if the arrows do not point directly towards each other.*



Picture 23 – Correct placement of the wheel hook and pin. Green arrows must point towards each other.

Move the Innowalk:

1. The Innowalk can be moved when the wheels are lowered completely.
2. Move the Innowalk to the desired location. An optional handle in the front of the Innowalk can be used to ease the maneuvering.



Picture 24 - Transport wheels lowered and in active position.

To lower the Innowalk to a fixed position:

1. Position the Innowalk where you want it to be used.
2. Turn the crank arm anti-clockwise to raise the wheels back under the cover and the wheel pin is back to the starting position. The rear feet are now in contact with the ground.
3. Release the wheel hook on the pulley arm from the wheel pin (by swinging it to the left).
4. Turn the crank arm clockwise until the pulley arm is back to the starting point indicated by the stop screw. Innowalk is now ready for use.

6. Adjustments

The following section presupposes that consultants from Made for Movement or it's representatives have trained the clinicians and other person responsible for operating the Innowalk Pro in accordance with the product training programme available for the Innowalk Pro.

 **Important:** None of the adjustments explained in this chapter can be done by someone that has not received training by Made for Movement Group AS, its representative or a skilled, trained person.

Before a new user is going to use the Innowalk Pro for the first time, the user needs to be assessed by a clinician with clinical responsibility and approved to be a candidate for using the device.

When the user is approved to be a candidate, the user needs to be measured. (see appendix 3). Transfer the measurements from the user to roughly adjust the Innowalk Pro when the user is sitting and standing in the device to ensure a good alignment in the device, taking the users limitations such as, range of motion in angles, knees and hips and lower back, upper body and/or head control, asymmetries amount others into consideration.

The following adjustments must be fitted to each user:

- Foot plate position at the ski
- Foot plates sideways position
- Leg supports height
- Positioning of the knee pads in the vertical plane (if applicable)
- Height of the seat
- Depth of the seat
- Position of the backrest
- Position of the chest support
- Position of the hip support and belt
- Position of head support
- Position of handles for arm movement or tray
- Level of spasm control
- Pulley tower tension
- Foot plates inlay-soles (if needed)
- Shoulder straps (if needed)

Each of the adjustments will be explained in the following chapter.

All adjustable parts on the Innowalk Pro, except from the arm movement handles and tray, have a reference scale with numbers. When the Innowalk Pro has been adjusted for a user, and this is the preferred positioning, read the reference scale-numbers and add them into the "Personal settings" form (please see form below). Each time the person is using the device, the Innowalk Pro can be adjusted in accordance to the "Personal settings" form before the user is transferred into the Innowalk Pro.

Important: Even though the Innowalk Pro is adjusted in accordance to the preferred setting using the "Personal settings" form, the attention should always be on the users daily physical capacity, and adjustments of the Innowalk Pro should be performed in relation to this.

6.1 Foot plates

The Innowalk Pro has two different foot plates sizes, the Medium foot plates is a version with shorter ranges for the leg steel than the Large foot plate.

Foot plate Medium:

Picture 25 - Foot plate A for Medium users (110 – 165cm)

Foot plate Large:

Picture 26 – Foot plate B for Large users (150 – 200cm)

6.2 Foot plate position at the ski

The footplates can be adjusted lengthwise on the skis, to adjust the footplate position for the user. Loosen the handle screw on the underside of the shoe bracket and slide the complete bracket with the foot plate to the desired position. Use the front edge of the shoe bracket as reference point against the engraved scale. Tighten the handle screw securely after adjustment.

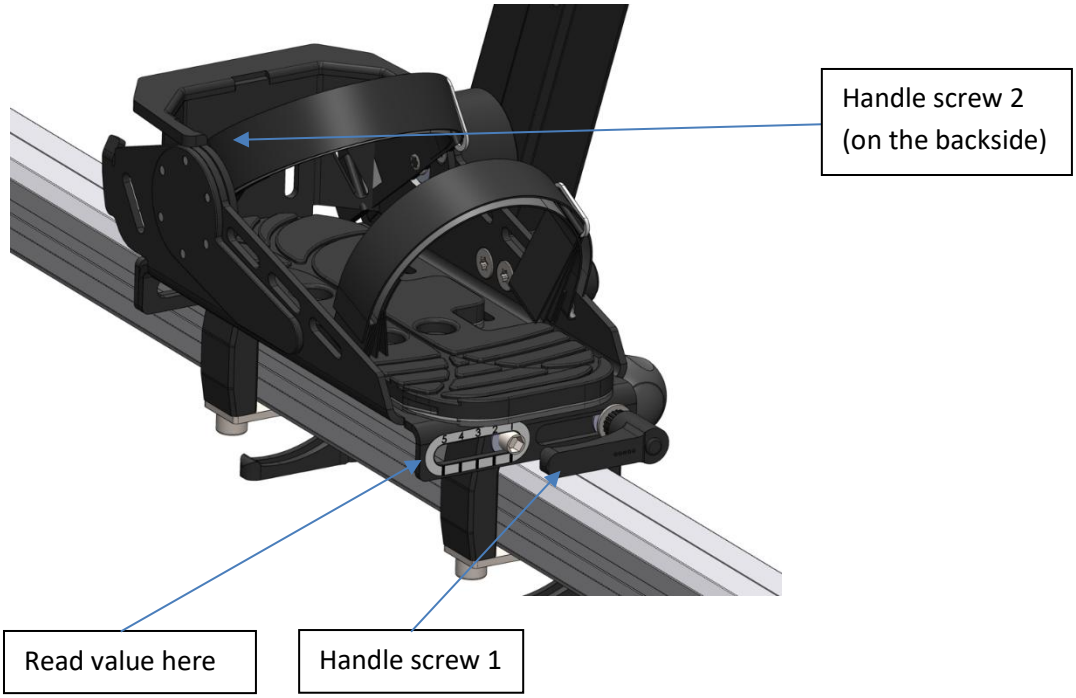
Picture 27. Position of the foot plate on the ski

Trap hazard: There is a risk for trapping of fingers/hands where the skis exit the motor cover. Keep hands and feet away from this area when the product is running.

6.3 Foot plate side-position

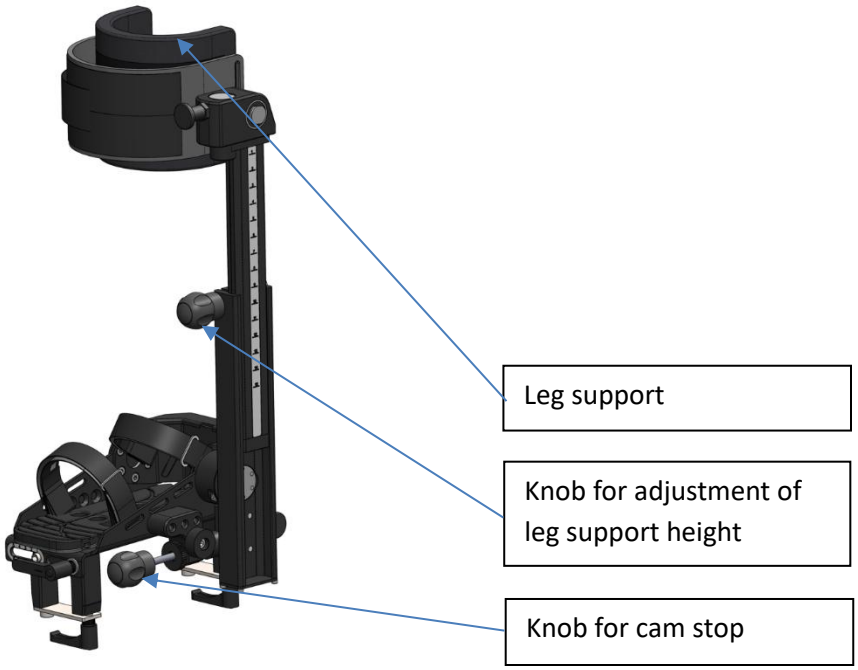
The foot plate can be adjusted sideways, for better alignment of the users stance.

Loosen the two handle screws, one at the front and one at the rear, and adjust the sideways position of the foot plate. The value of the position can be read at the front of the bracket. Remember to tighten both handle screws securely after adjustment.



Picture 28. Foot plates side-position adjustment

6.4 Adjustments of leg support



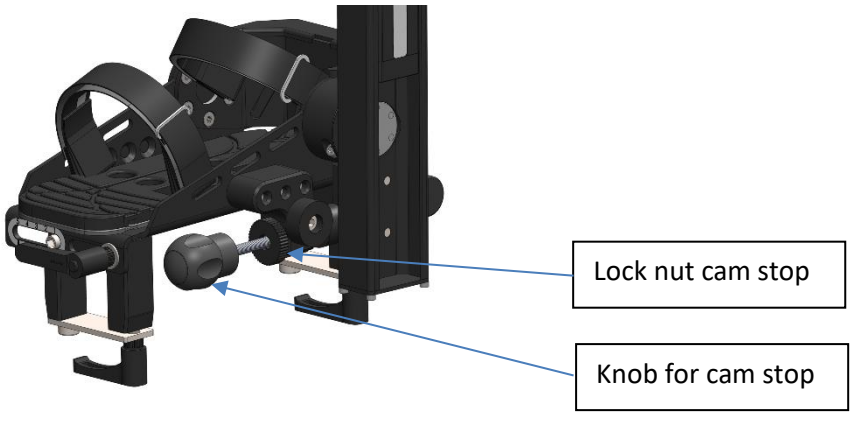
Picture 29. Foot plate A – details

Adjustment of the cam stop:

The cam stop reduces the range of motion of the leg support and may be used to reduce extension over the knees. this function avoids over-stretch/hyper-extension of the users knees and ensures safe use of the Innowalk. The cam stop can be adjusted according to each users need and each side must be adjusted separately.

To adjust the cam stop so the leg support moves away from the leg, turn the cam stop knob clockwise. Anti-clockwise turning of the handle will bring the leg support backwards. The value of the cam stop can be read between the leg steel and the bracket for the cam stop.

Remember to adjust the cam stop on both the left and right foot plate.



Picture 30 - Cam stop adjustment

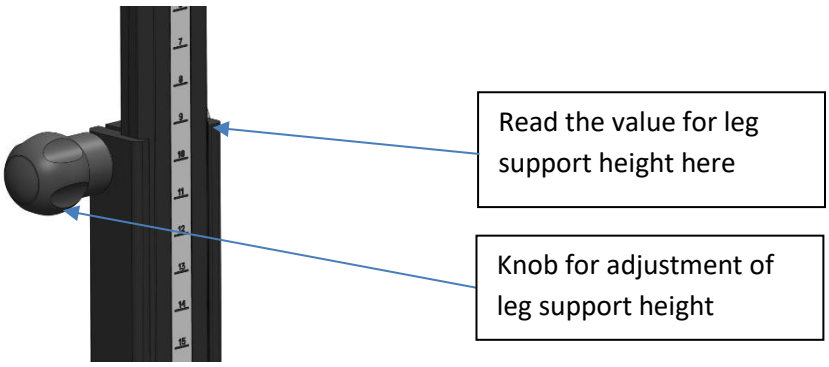
Important: The cam stop reduces the range of motion of the leg support and may be used to reduce extension over the knees and avoids over-stretch/hyper-extension of the users knees. It is important that this is individually adjusted on both the left and right foot plate before each training session in the Innowalk Pro.

Important: When needed: remember to fasten Velcro-strap on the knee support

Adjustment of the leg support height:

Unscrew the leg support height knob approximately one turn and simply slide the upper part of the leg support to the desired position. The two arms will be interlocked when the knob is tightened again. The value of the leg support height can be read at the front of the steel.

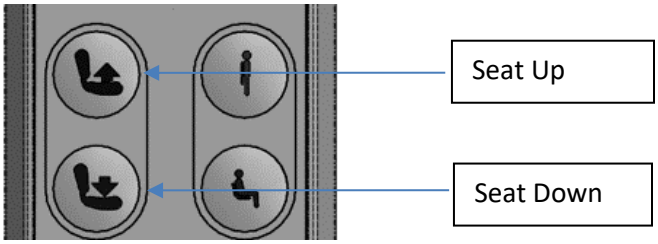
Remember to adjust both leg supports.



Picture 31 - Leg support height adjustment

Important: The height of the leg support should be individually adjusted for each user. The height of the leg support should normally be adjusted so the top of the leg support padding is positioned underneath the users knee.

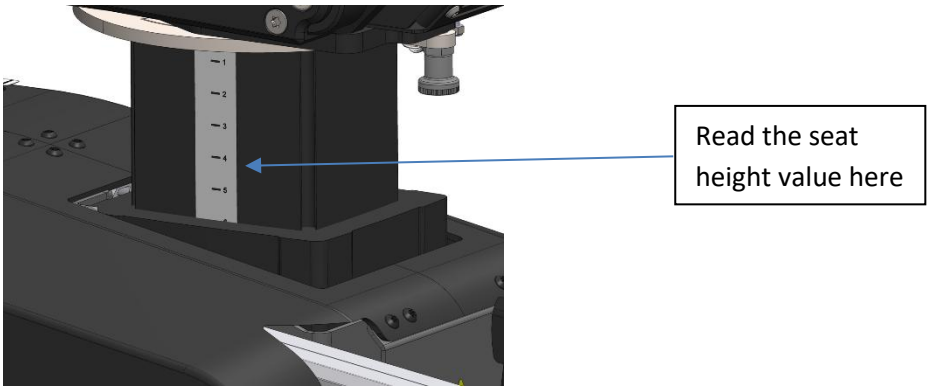
6.5 Height of the seat



Picture 32. Adjustment of seat height

Adjust the height of the seat by pressing up or down on the remote control.
Read the seat height value from the scale at the right side of the actuator under the seat.

The sitting height should be adjusted so there is a 90° angle in the knee joint (between the users thighs and calf) when the users feet are rested at the foot plates.



Picture 33. Height of seat scale

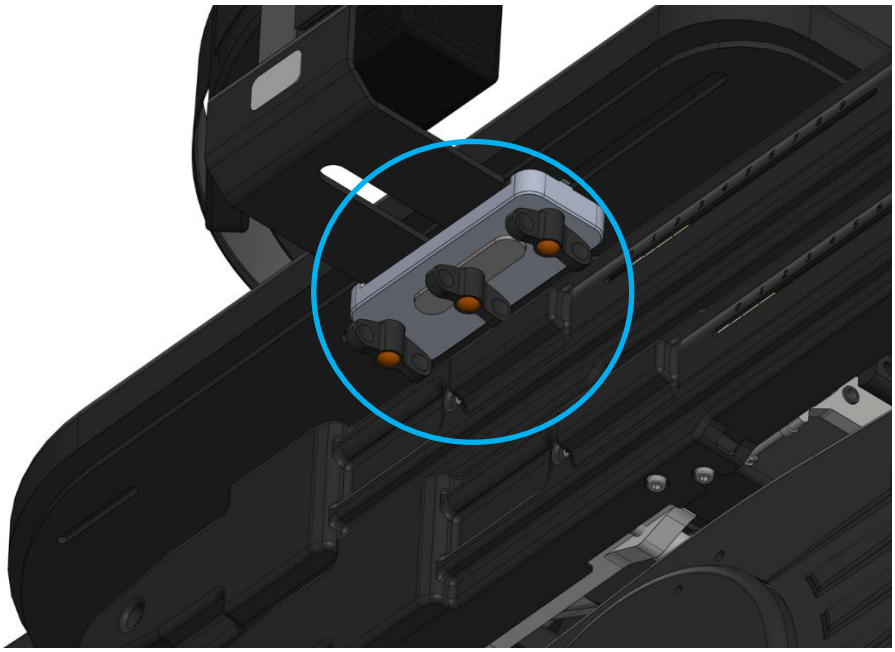
Important: Only fine-adjustment of the seat height can be done while the use is sitting on the seat and safely secured with the chest strap. Make sure the users feet are not secured with foot straps, and the leg supports are not attached, if the seat height is to be slightly adjusted. This is to avoid over stretching the users legs.

6.6 Depth of seat

Adjustment of the seat depth is covered in chapter 5.7 E-seat.

6.7 Hip support

The hip support width can be changed by loosening the hip support wingnuts under the seat on both sides. Adjust by sliding the hip supports to wanted width and tighten the wingnuts.

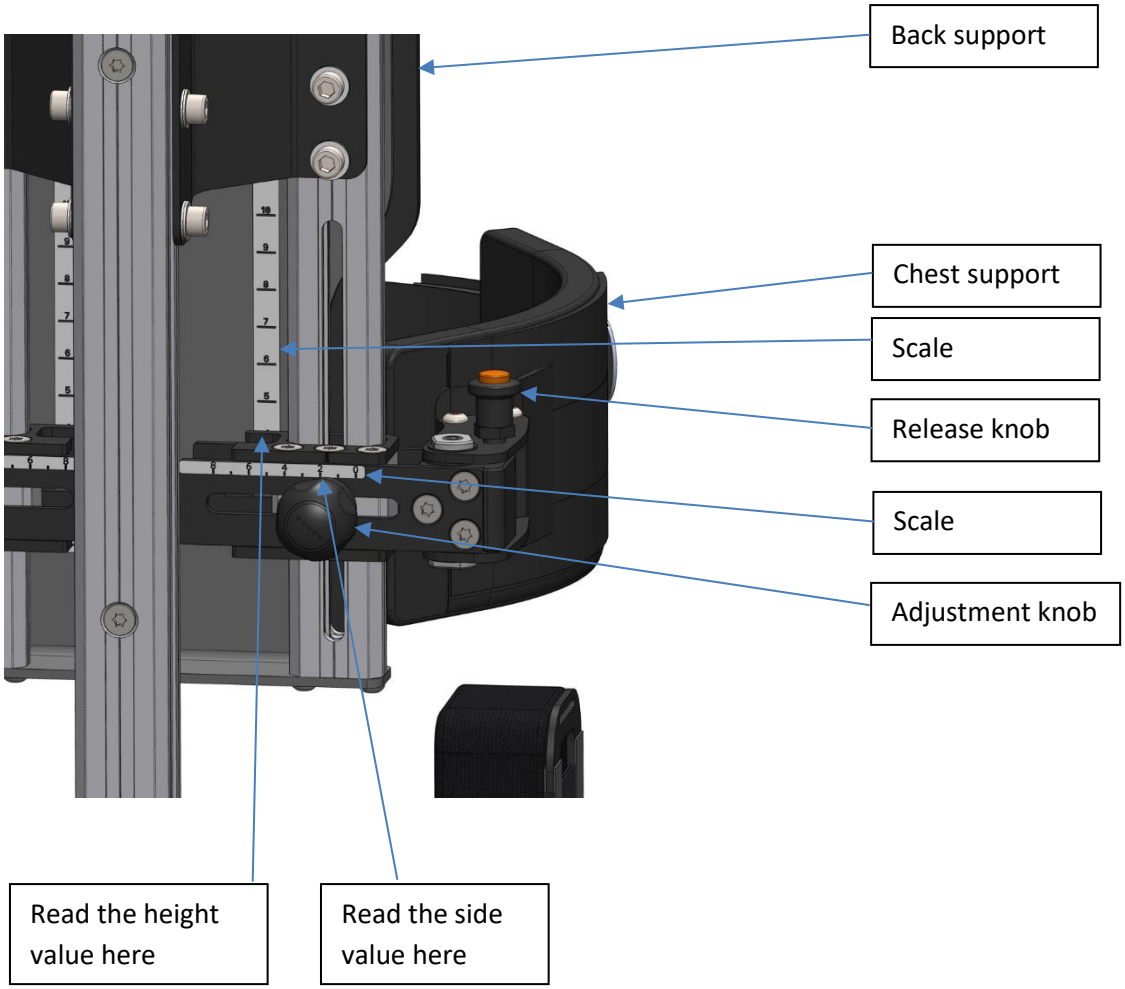


Picture 34 - Hip support adjustment

6.8 Position of the chest support

Position the chest supports: Loosen the adjustment knob at the back and slide the chest support to the desired position, both width and height. Read the value from the upper edge of the clamp and above the center of the knob. Repeat the settings at both sides.

Open and close the chest support: Operating the release knob with a push of the button at the top to release it, this will allow you to swing the chest support to the side. This opens the seating space for the user and eases the transfer into and out of the Innowalk Pro.

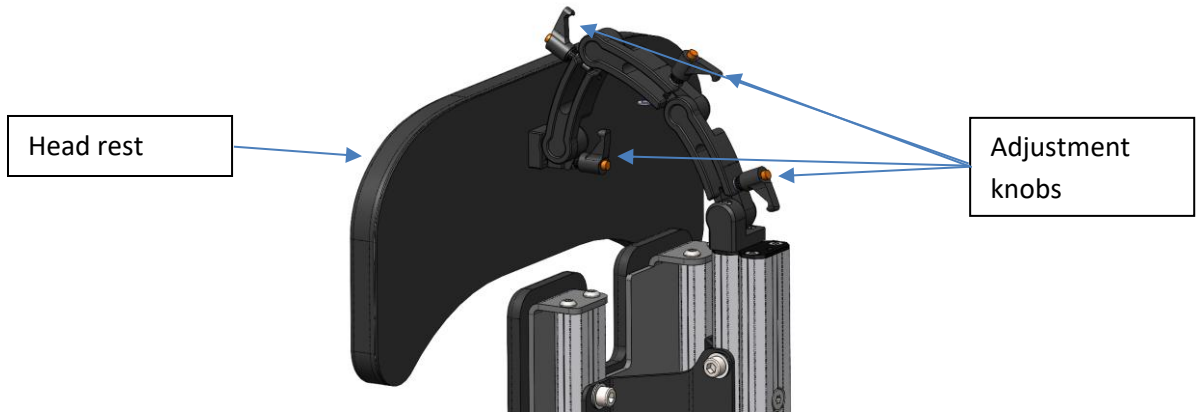


Picture 35. Adjustment of side support

6.9 Position of the head rest

The position of the head rest pillow can be adjusted by releasing the adjustment knobs and arranging the head rest to the desired position then tightening the knobs again. The height of the head rest can be tuned by loosening the height adjustment screws, sliding the head rest bracket up/down to the desired position, and tightening the screws again.

Important: The head rest delivered as standard with this product is only for users capable of stabilizing their own head.



Picture 36 - Adjustment of the head rest for Innowalk Pro

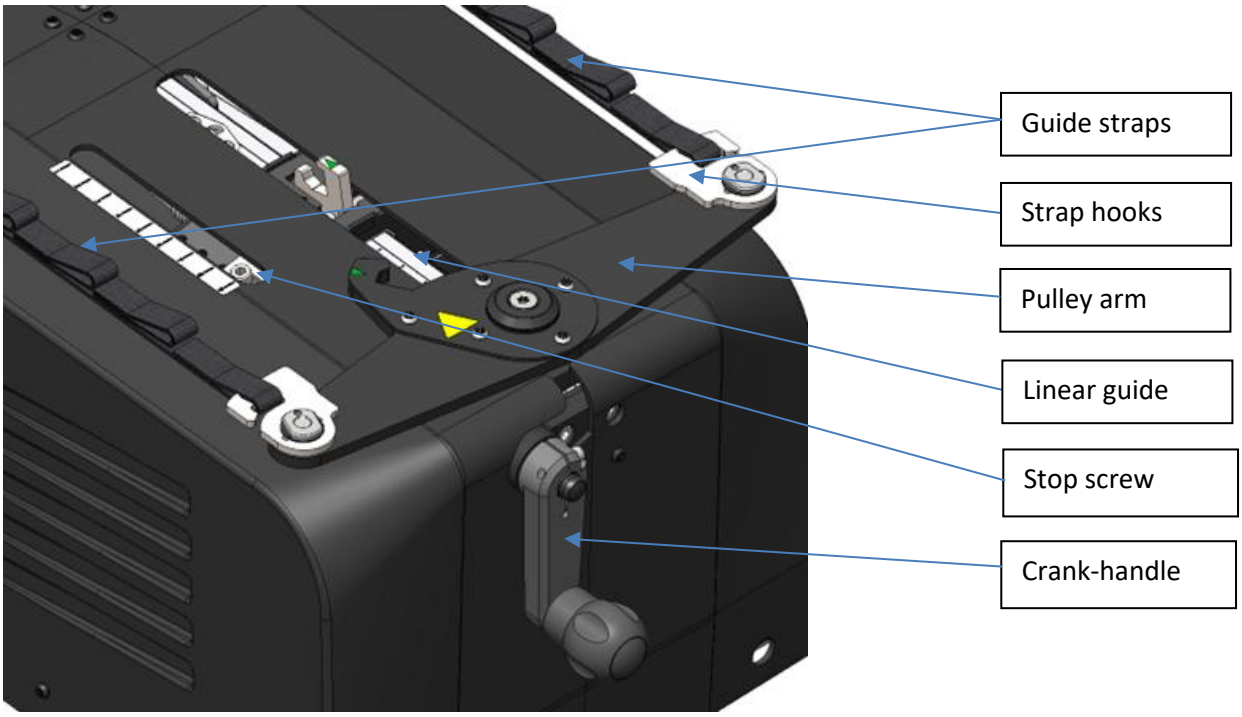
6.10 Pulley tower

The pulley tower is placed at the back of the motor casing. The pulley tower's task is to guide the guide-straps connecting the left and right leg supports. The guide-straps will ensure a correct position of the users leg during use.

The length of these guide-straps can be adjusted by using the crank at the back of the pulley tower. Fold out the handle and crank clockwise to tighten the guide-straps, and increase the stretch over the users knees. Anti-clockwise to slacken the guide-straps, which decreases the stretch over the users knees. For larger adjustment intervals, different loops in the guide-straps can be used. The correct loop to use is determined in the initial adjustment by the responsible clinician.

Important: Before attaching the guide-straps to the leg supports, ensure that the guide-straps are undamaged. If the guide-straps are tangled or damaged, they need to be straightened out or replaced before use.

Important: Never overtighten the guide-straps by turning the crank arm too much. To prevent the guide-strap from being tightened too much, always follow the personal setting for the individual user defined by a responsible clinician. Overtightening can seriously injure the user.



Picture 37 - Pulley tower with guide-straps

7. Practical Information

7.1 Who can use the Innowalk 2 Pro?

Intended use
The Innowalk 2 Pro is an assistive device for multiple use in institutions under supervision of a trained operator. This can be a person with a clinical background or an assistant.

Innowalk 2 Pro is an assistive device which enables assisted movement of the lower limbs in a sitting and standing position. The assisted movement of the lower limbs is close to a normal gait pattern with flexion and extension of hips, knees, and ankle joints.

The Innowalk 2 Pro is intended for multiple-use. It is easily adjusted from person to person by a trained operator.

Intended use with arm movement (extra equipment)
The Innowalk 2 Pro is an assistive device for multiple use in institutions under supervision of a trained operator. This can be a person with a clinical background or an assistant.

Innowalk 2 Pro with arm movement handles enables movement of the lower and upper extremities in a reciprocal pattern in standing position. The assisted movement of the lower limbs is close to a normal gait pattern with flexion and extension of hips, knees, and ankle joints.

The arm movement handles can be swiveled away or removed when not in use.

The Innowalk 2 Pro is intended for multiple-use. It is easily adjusted from person to person by a trained operator.

Indications
Users of the Innowalk have moderate to significant damage to the neuromuscular system and lack movement-related functions of the lower extremities (muscle strength, muscle tone, endurance, coordination, functions of voluntary movements, movement patterns) often with impairment of activities as a result of a brain damage or injury (e.g., cerebral palsy, multiple sclerosis, trauma), spinal cord injury (e.g., paraplegic syndromes due to spinal tumours or trauma) or neuromuscular diseases (e.g., muscular dystrophies).

The user height range is between 110 – 200 cm and body weight limit is 110 kg.

Indications with arm movement (extra equipment)
Users of the Innowalk have moderate to significant damage to the neuromuscular system and lack movement-related functions of the upper and lower extremities (muscle strength, muscle tone, endurance, coordination, functions of voluntary movements, movement patterns) often with impairment of activities as a result of a brain damage or injury (e.g., cerebral palsy, multiple sclerosis,

trauma), spinal cord injury (e.g., paraplegic syndromes due to spinal tumours or trauma) or neuromuscular diseases (e.g., muscular dystrophies).

The user height range is between 110 – 200 cm and body weight limit is 110 kg.

Contraindications

- Bone fractures in lower limbs and/or torso (legs, pelvis, spine)
- Open skin lesions in areas of the body in contact with parts of the Innowalk

Precautions for use

No adverse events and negative side effects caused by the movement in the Innowalk 2 Pro were reported in any studies. There have been studies where patients did not complete the intervention period (due to illness, surgery, or pain), but none of the dropout reasons were related to the movement in the Innowalk 2 Pro.

Risk analysis shows that users with one or more of the following conditions should consult their clinician or therapist before starting to use the Innowalk 2 Pro to evaluate if benefits of use outweigh possible risks of injury or negative side effects:

- Major deformities (spine and lower limbs)
- Severe or fixed contractures in the lower limbs (Hip and knee flexion contractures >40°, pes equinus >25°)
- Osteoporosis with previous or suspected spontaneous fractures of the lower extremities
- Joint instability in the lower limbs (hips, knees, and ankles)
- Circulatory disorders
- Respiratory disorders
- Cardiac disorders
- Epilepsy with uncontrollable grand mal seizures
- Severe spasticity interfering with positioning and movement in the Innowalk
- Pain while in standing weight-bearing position or when moving lower limbs

Contraindications and precautions for use, with Innowalk 2 Pro with arm handles

Contraindications for use of the Innowalk 2 Pro with arm handles:

- Bone fractures in lower and upper limbs and/or torso (legs, pelvis, spine, shoulder, arms or hands).
- Open skin lesions in areas of the body in contact with parts of the Innowalk.

Precautions for use of the Innowalk 2 Pro with arm handles:

No adverse events and negative side effects caused by the movement in the Innowalk 2 Pro were reported in any studies. There have been studies where patients did not complete the intervention period (due to illness, surgery, or pain), but none of the dropout reasons were related to the movement in the Innowalk 2 Pro.

Risk analysis shows that users with one or more of the following conditions should consult their clinician or therapist before starting to use the Innowalk 2 Pro to evaluate if benefits of use outweigh possible risks of injury or negative side effects:

- Major deformities (spine, lower and upper limbs)
- Severe or fixed contractures in the lower and upper limbs (Lower limbs: Hip and knee flexion contractures >40°, pes equinus > 25°. Upper limbs: not able to reach, grasp and hold on to the handles in the most remote position)
- Osteoporosis with previous or suspected spontaneous fractures of the lower extremities
- Joint instability in the lower and upper limbs (hips, knees, ankles, shoulder, elbow or wrist)
- Circulatory disorders
- Respiratory disorders
- Cardiac disorders
- Epilepsy with uncontrollable grand mal seizures
- Severe spasticity interfering with positioning and movement in the Innowalk
- Pain while in standing weight-bearing position or when moving lower and upper limbs
- Abnormal motion patterns of upper extremities or trunk with passive motion of the legs (i. e. dyskinetic, spastic or ataxic)

Important: While using the Innowalk, the user must always be observed by a trained, responsible adult (operator). The Innowalk should not be used if the user does not accept the Innowalk, or experiences pain/discomfort during use. If in any doubt, the use of the device should be stopped, and the clinician responsible should be consulted to evaluate the patient's further use of the Innowalk.

Training of supervisors

The use of the Innowalk shall always be supervised by a trained coordinator or operator. A coordinator is typically a person with a clinical background who has received advanced training in using the device. The coordinator is responsible for assessing users/patients to identify is they are a candidate to use the device in accordance with the users manual. An operator is a person who has received basic training in using the device and is responsible for setting up the device for users/patients in accordance to personal settings, per individual user/patient, defined by a coordinator. Both coordinator and operator must have normal eyesight, hearing and cognitive skills (glasses/lenses + hearing aids is possible).

Coordinators and operators must have received training (in accordance with the MFM training programme + Appendix 1) from a Made for Movement representative to be allowed to operate the product. The MFM representative is usually a Made for Movement employee or a distributor / therapist who is appropriately trained and officially approved to work with the Innowalk.

The training includes a demonstration of all key features, transfers, attachment, safety, use and troubleshooting as described in Appendix 1. In addition, the instructions for use must be read, understood, used and retained for future reference.

Important: The settings of the Innowalk must not be changed in any other way than described in these operating instructions. Furthermore, the Innowalk Pro may only be adjusted by employees of Made for Movement or their authorized partners or clinicians / therapists who have been trained in the adjustment of the Innowalk 2 Pro.

7.2 Model overview

In this users manual, two sizes of the Innowalk 2 Pro are described: Medium, and Large

Innowalk 2 Pro Medium:
Recommended height of the user: 110 – 165cm
Max weight of the user: 80kg

Picture 38 - Innowalk 2 Pro Medium

Innowalk 2 Pro Large:
Recommended height of the user: 150 – 200cm
Max weight of the user: 110kg

Picture 39 – Innowalk 2 Pro Large

There are minor differences between the models. The electrical system is similar. The main differences are smaller variations in the mechanical support-systems that makes it possible to adapt the product to users of different sizes. The use of the product is the same.
The recommended user height is a guideline and is not fixed, and individual assessment of the suitability for the user on the specific model needs to be tested with the user, especially in the overlap interval between the models.

7.3 Labelling and symbols used in the users manual and signs on the Innowalk 2 Pro

This symbol indicates a risk for trap hazard.

This symbol means that the following text should be read careful.

This symbol indicates that the following text contains useful tips.

This symbol indicates prohibition of pushing.

This symbol indicates where the emergency stop button is placed.

This symbol indicates which Innowalk Pro model the accessory belongs to.

This symbol shows that the product is EU MDR compliant.

This symbol shows that the product is UK MDR 2002 compliant.

Applied part, type BF. Type BF (“Body Floating”) is less stringent than Type CF (cardiac floating) and is generally used for applied parts that have conductive contact with the patient or having medium- or long-term contact with the patient.

Class II equipment (double insulated)

Do not dispose in household waste.

Read the users manual before use.

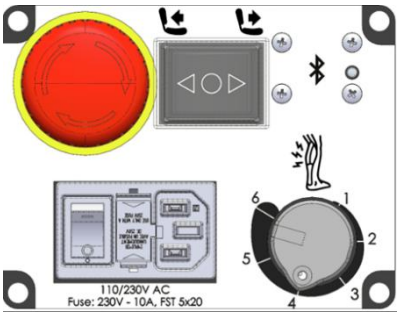
Manufacturer and manufacturer address

Date of manufacture

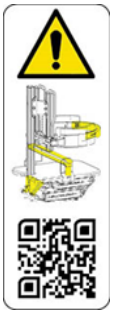
Serial number

Medical Device

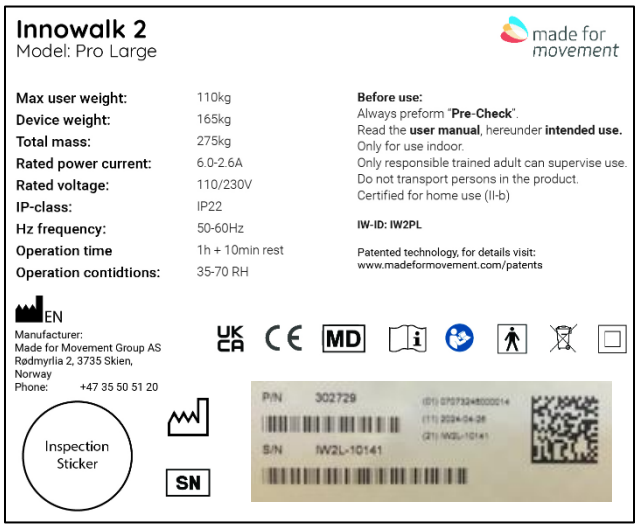
Hand wash



Side panel for spasm, seat depth, fuse, power and emergency stop



Pre-check reminder label.
Always execute daily and monthly pre-check.
See chapter 3 for details.

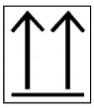


Machine sign (example)

Warning/users manual label. This label indicates a specific precaution to be made. Read the users manual for details regarding the warning. This label is placed on:
- The pulley swinger. See chapter 3, 4.6 and 6.2 for warning details.
- The tray. See chapter 7.8.1 for warning details.

Packaging symbols:

Symbol for keep away from rain/moisture/water/wet areas.



Symbol for this side up.

Symbol for fragile.

7.4 Chapter not in use

7.5 Warnings

General warnings

1) The product shall only be used under supervision by a trained, responsible person.
2) Only persons who have received training in the use of the product shall operate the product with the user. Please see Appendix 1 for details about the content of the training.
3) Contraindications and pre-cautions should always be clarified by clinician or therapist before using the product for the first time. Where there is a user risk due to the users condition, the clinician or therapist should state that the benefits outweigh the risks before use.
4) Always perform the daily pre-check before use.
5) Always perform the monthly pre-check to discover wear.
6) If any abnormalities are discovered during the pre-check, the product must be put in order before use.
7) During use some adjustment screws can unscrew themselves slightly over time due to moving parts, adjustment parts, or torsion in the product. Tighten loose screws before use.
8) The product shall be adjusted when necessary to ensure that the product fits the user in regard to user growth and user functionality. The adjustments must be performed by a Made for Movement trained person.
9) The product must be adjusted, used, and set up as described in this user manual.
10) No modification of this product is allowed. Modifications may lead to dangerous situations, product breakdown and non-compliance of the certification.
11) Do not fit other accessories to the product, other than approved by Made for Movement. This will lead to non-compliance of the certification.
12) The product is a medical device and must under no circumstance be used by persons who the product is not fitted to.
13) The chest and hip belt shall always be secured when the user is in the product. The chest and hip belts can have looser fitting during use, but cannot be taken of for safety reasons.
14) Make sure there always is a piece of clothing between the skin of the user and where the product comes in contact with the user. This will minimize the risk for wounds caused by friction and possible allergic reactions. All materials in the product which are in contact with the user are tested for allergy.
15) The product shall only be used with shoes which fits the product.
16) Never use the product, with or without user, if the ambient temperature is exceeding the maximal temperature 40°C. Check the surface temperature of the product before use. The temperature of the product could be affected by radiators and direct sunlight, etc.
17) Some areas of the product have a trap hazard due to moving or moveable parts. These are marked with a trap hazard label. Pay extra attention to these areas when the user is entering or exiting the product, and during use. Be careful and pay attention to where the user places his/her hands, and where you in your role as operator hold onto the product.
18) The use of synthetic clothes can cause an unharmful static shock in the product.
19) Always use the product in a well-lit room, so all labels and operating controls can be easily viewed.
20) The product must be stored in a way which prevents people from using the product as a toy or from influencing the settings of the product.
21) The product must be stored in a dry room.

22) The product must not be used in a moist environment (shower, washing area etc)
23) The cables, belts, straps, wires and guide strap may lead to strangulation or other damages.
24) Make sure to keep the product under constant supervision while in use and store it in a way that prevents unauthorized persons admittance to the product.
25) The product shall be secured properly when transported to avoid transport damage and damage to the vehicle interior.
26) Use of this product adjacent to or stacked with other product should be avoided because it could result in improper operation. If such use is necessary, this product and the other product should be observed to verify that they are operating normally.
27) The product shall only be lifted in the frame, none of the other parts.
28) In the case of use of a tray: The tray does not provide any additional safety – always keep the chest strap secured when the user is in the product. Never use the tray together with arm movement handles.
29) The product shall never be used close to flames or open fire, as the belts and paddings are not fire-proof.

Specific warnings for Innowalks

1) Innowalk shall not be used without the inspections executed by a Made for representative.
2) The chest support, chest and hip belt shall always be secured when the user is in the product. The hip belt must be loosely attached during standing up/sitting down to prevent pressure to the stomach. The chest and hip belts can have looser fitting when walking in the Innowalk, but cannot be taken of as this is for safety.
3) Innowalk shall only be used indoor and have room-temperature before being used.
4) Innowalk shall, while being used, be placed at a flat and even surface.
5) Innowalk shall not be moved while the user is in it.
6) Do not over tight the guide strap to the leg supports. This may lead to damages at the users knees and legs.
7) Innowalk has moving parts, and has open areas or holes, which produce risk for hand-injury. All these hazards are labelled with a trap hazard sticker. Potential trap hazard areas: The mechanical upright function underneath the seat and column, the tilt function of the front frame, under and nearby the skis when the Innowalk's skis are moving, near the motor wheel. Make sure the users, operators and other persons hands are at a safe distance to the trap hazard areas during use.
8) Always pay attention to the users feet and hands when lifting the user out of the Innowalk, ensuring that the feet and/or the hands do not get caught or obstructed during transfer. Always use slow movements to enable safe transfer.
9) Innowalk must not be used nearby medical equipment with great potential of hazard, equipment for life-sustaining function or medical devices for diagnose.
10) Innowalk can be affected by other electrical devices situated nearby. E.g.: TV, cell phones or amateur radio. Keep a safe distance of 2.5metres. If the Innowalk does not respond normally, you should immediately finish the use.
11) Innowalk shall only be used with the provided/internal power supply.
12) The actuators + E-seat are only for positioning of the user. Must not be used continuous for more than 4 minutes followed by 30 minutes rest.
13) Some parts of the Innowalk can get warm during use. Do not hold or be in contact with any warm parts; for more than 10 minutes, or if it causes discomfort.
14) Do not push at the Innowalk seat, column, or headrest.

15) Always disconnect the power cord when the product is not in use.
16) Always wipe up water/liquid/body fluid spillage on the product. Test the product without the user once dried to check that it performs normally. Contact your MFM representative if the product does not perform as intended.
17) If the remote control accidently is dropped to the floor or in another way is damaged, then check that the housing and buttons are intact, and test all functions before using the Innowalk with a user again. If the remote control is broken, do not use the Innowalk, and order a replacement remote control from your Made for Movement representative.
18) Do not remove any covers, or open the product in any way. This breaks the product certifications and can be dangerous.

Additional warnings for Innowalk Pro 2 (in addition to Innowalk warnings)

1) Always pay attention to the users feet and hands when rotating the swivel seat. Ensure that the feet and/or the hands do not get caught or obstructed when rotating the seat. Always use slow movements when rotating the seat to ensure safety.
2) Always pay attention to the users legs and thighs when adjusting the seat depth, and when raising the user up or down from sitting to standing. Make sure the legs and thighs follow the seat without causing pressure or drag forces when raising up and sitting down. Adjusting the seat depth and raising up and down the user requires a trained operator.
3) Do not touch the USB wiring connectors and the user at the same time.

Be aware of the trap hazard areas.

Picture 40 - If the Innowalk should be lifted, always lift in the frame parts.

7.6 Applied parts

The below parts will or can come in contact with the user during normal use.
All parts that continuously are in contact with the user are padded, and these parts are usually in contact with the user up to an hour under normal conditions. The parts in *italic* below are usually in contact with the user for less than 10 minutes.

Parts	Material	Material thickness		Padding thickness Medium	Padding thickness Large
Headrest	Synthetic leather	0,8mm		15mm (foam)	15mm (foam)
Back support	Synthetic leather	0,8mm		20mm (foam)	20mm (foam)
Chest support	Synthetic leather	0,8mm		30mm (foam)	30mm (foam)
Seat	Synthetic leather	0,8mm		25mm (foam)	30mm (foam)
Hip support	Synthetic leather	0,8mm		30 or 60 mm (foam)	30 or 60 mm (foam)
Leg support	Synthetic leather	0,8mm		15mm (foam)	15mm (foam)
Belts (chest, hip, leg supports, footplate straps)	Polyester + Velcro	1,4mm		N/A	N/A
Motor cover	ABS	3mm		N/A	N/A
Arm moving handles	Foam	7mm		N/A	N/A
Tray	Polycarbonate	5mm		N/A	N/A
Remote control	ABS + Polyester	Min. 2mm		N/A	N/A
Metal/steel enclosure*	Alu + steel	Min. 2mm		N/A	N/A

**The enclosure is covered by the motor cover and is only accessible when removing the cover.*

Accessible parts:
The below parts will or can come in contact with the operator during normal use.
Accessible parts are defined to usually be in contact with the user and/or operator less than a minute at the time under normal conditions. Contact with the parts usually occur in connection with transfer, attachment and use of the product with the user. Accessible parts are:

- All parts necessary for adjustment of the Innowalk
- Padding, straps, velcro
- Most metal parts not covered by the motor cover
- The remote control and control panel buttons
- Stickers and labels
- The power unit, with power cable. The power unit can get warm during use. Do not hold on the power unit/cover during use.

7.7 Shoes

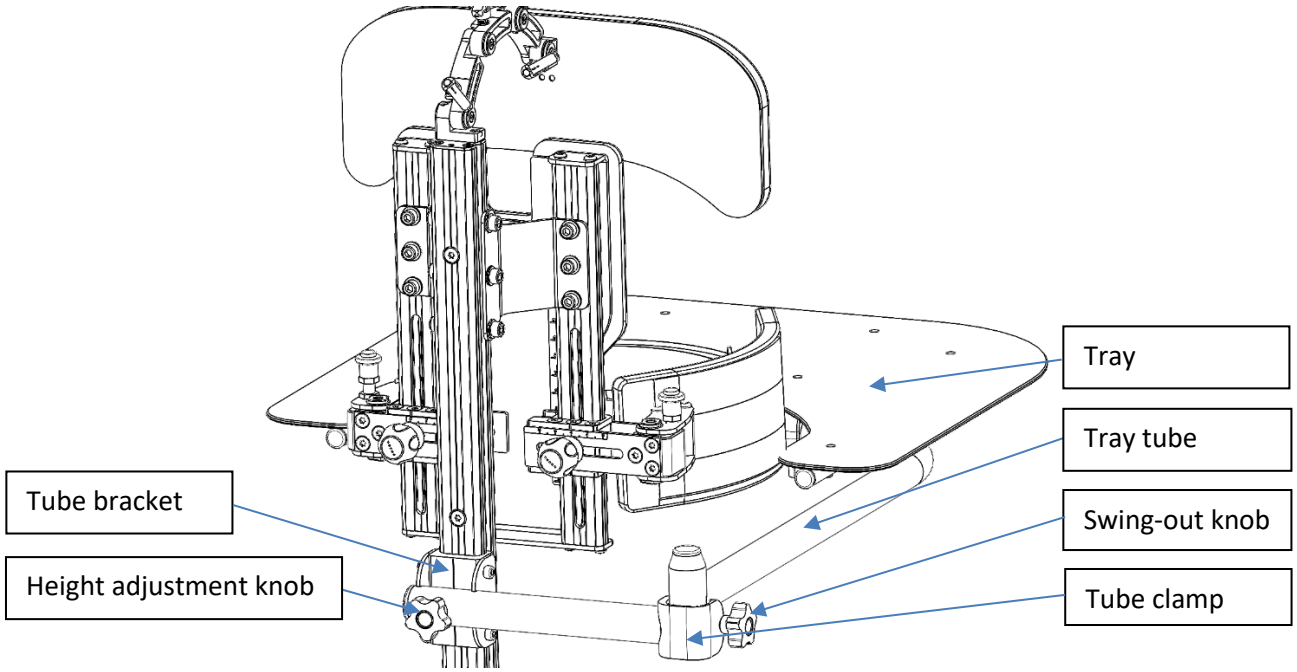
Most shoes can be worn with Innowalk. Make sure the shoes are tightened well to the users foot, so the user is not able to pull his/her foot out of the shoe while legs are moving in the Innowalk.

Ankle-foot orthosis may be used in the Innowalk, if the type of orthosis and limitations related to range of motion of the ankle joint is taken into consideration during individually assessment of the user by the coordinator.

7.8 Extra equipment

7.8.1 Tray

A Tray can be provided with your Innowalk Pro as extra equipment. The tray can be swiveled away or removed when it's not used. The tray is fixed to the Innowalk with a tube-bracket attached to the column.

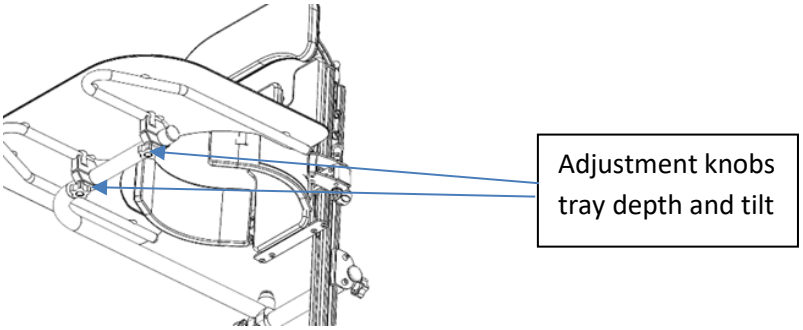


Picture 41 – Tray for Innowalk Pro

The tray can be removed by loosening the swing-out knob on the tube clamp, and then by lifting at the front of the tray on the tray tube. Store the tray in a suitable location when not in use. Alternatively, the tray can be swiveled away to the side by loosening the swing-out knob on the tube clamp, then lifting the tray tube slightly up and rotating it outwards.

To adjust the height of the tray, loosen the height adjustment knob, slide the tray up/down to the desired position and tighten the knob again.

Depth and angle of the tray is adjusted by loosening the adjustment knobs under the tray on the tube. Adjust to the desired position and tighten the knobs again.



Picture 42 – Adjustment of tray depth and tilt

Important: The tray shall never be used as a safety feature. Always use the chest and hip belts when using the Innowalk, also when using the tray. The belts can be loosened to enable more mobility for users that have good enough trunk and body control, but the belts shall never be taken off during use.

Important: The Tray and the arm movement (chapter 7.8.2) cannot be used at the same time.

Important: Do not use the tray while seated. The tray is made for use while standing, and the tray will not fit the user while seated due to the geometry of the rise-up function.

Tip: The tube-bracket is designed to be placed on either left or right side of the column, the operator may change the placement due to user preferences or space constraints.

7.8.2 Arm movement handles

The Innowalk Pro can be equipped with arm handles. Adding arm handles allows movement of a greater part of the body (arms and legs in combination) while standing.

Use of arm moving handles:

The design of the handles (S-curved) is made in a universal way so several points of the handles can be held on to. Adjust the handles to enable the user to grab and hold onto the form of the handles in the most comfortable position. Always make sure that the handles do not touch the users thorax during adjustment and use. The user should hold on to the handles with a loose grip following the arm pendulum when walking in the product. If the user experiences any discomfort, he/she should let go of the handles. Adjust the handles to improve the hand position and assure comfort for the user. The lower the user holds on to the handles, the less range of motion is achieved in the arms.

Contraindication, indications, and precautions for use of arm moving handles:
See chapter: 7.1

Attachment and adjustment of arm moving handles:

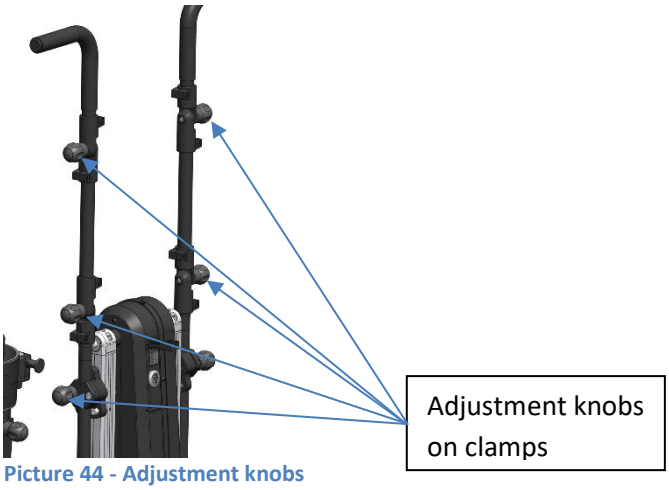
- To fasten the arm handles: Loosen the clamps. Insert the arm handles into the tubes. Tighten the clamps.
- To disconnect the arm handles: Loosen the clamps. Lift out the arm handles and remove them. Tighten the clamps. Store the handles in a suitable dry place.
- To adjust the grip angle and distance to the user: Loosen the clamps. Rotate the arm handles to the desired position. Tighten the clamps.
- To set the grip height: Loosen the clamps. Lift the arm handles to the desired position (from 0 to 14 cm upwards). Keep at least 10 cm of the handles inside the tubes for safe use. Tighten the clamps.

If you want to use the Innowalk Pro without the arm moving handles, loosen the clamps and remove the handles. Tighten the clamps, preventing them from falling off.

Important: The arm movement and the Tray (chapter 7.8.1.) cannot be used at the same time

Important: Make sure the arm handles do not come in contact with or push towards the users upper body in all positions of the handles during movement. Only the users hands shall be in contact with the arm handles during use.

Picture 43 - Arm movement



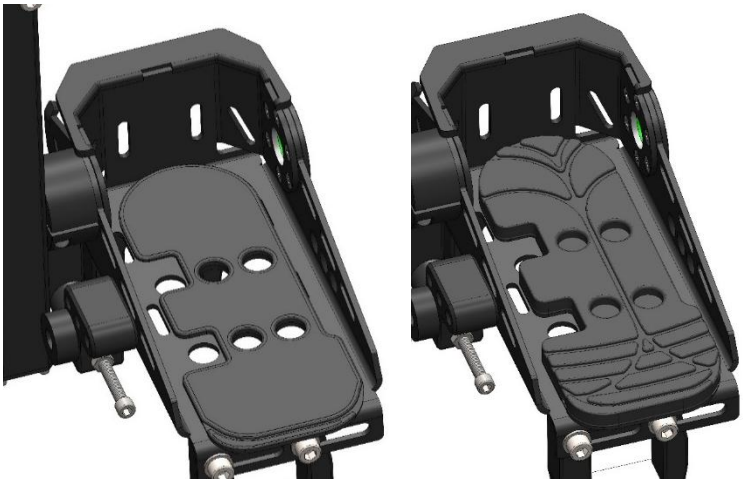
Picture 44 - Adjustment knobs

7.8.3 Chapter not in use

Chapter not in use.

7.8.4 Build-up soles for Medium and Large

Build-up soles may be used to compensate for leg length discrepancy of up to 2 cm or to move the foot forward at the foot plate if the user has small feet. The responsible medical clinician will assess and decide on the need for build-up soles for the individual user of the Innowalk.



Picture 45+46 – Build-up soles to compensate leg length discrepancy.

The sole shown above can, if necessary, be stacked up to a height of 2cm.

Picture 47 - Special soles for small feet

7.8.5 Shoulder straps

Shoulder straps may help the user to keep the upper body in an upright position during use. The shoulder straps are fastened at a bracket behind the user, lie over the shoulders and are attached through the chest belt.

Picture 48 - Shoulder straps

7.8.6 Remote control

If the remote control is damaged or lost, a new one can be ordered by contacting Made for Movement.
Do not use the Innowalk with a broken remote control.

7.8.7 Power cable

If the power cable is damaged or lost, a new one must be ordered by contacting Made for Movement. Only use the cable that is delivered with the Innowalk.

7.8.8 Transport handle

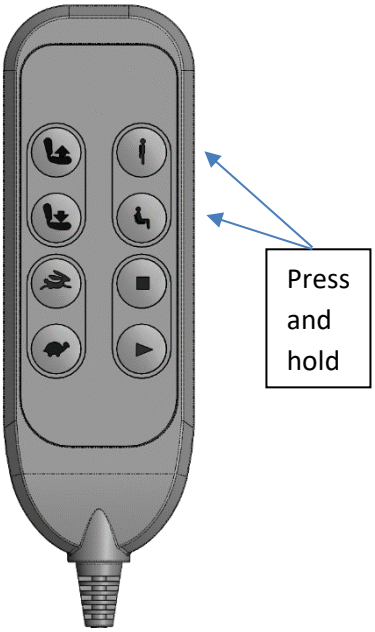
For easier maneuvering of the Innowalk when using the transport wheels a handle can be attached to the swing arms on Innowalk Pro.

7.8.9 App

The Innowalk can be used with an app that is downloaded to a phone. The app can be downloaded from the Apple or Android Appstore. Search for “Innowalk”. The app is expected to be available in 2024.

7.9 Troubleshooting

- If the motor or driving gear does not work, check the following:
  - Is the power supply connected? If not, connect the power supply.
  - Is the emergency stop switch pushed in? If it is, twist it in the direction of the arrows to allow it to pop out.
- If the Innowalk does not respond the remote control, check the following:
  - Is the plug from the remote control to the motor cover properly connected? If not, connect the plug.
  - Are there any visible damages on the cable of the remote control? Replace the remote control if the cable is damaged.
- Homing: If the sit to stand function doesn't respond to the remote control, a reset-function called "homing" must be performed. Never perform "homing" with the user in the product.
  - Press and hold both the "stand" and the "sit" – button on the remote control simultaneously. You will hear a short beep and after approx. 8 seconds you will hear a longer high pitch beep and you will see the seat-actuator move the seat towards an upright position. When the actuators reach the upright end position a confirmation beep will sound and you can release the buttons. Homing is now done. This applies to both 6 and 8 button remote control, and different layouts.
  - When this sequence is finished, the sit to stand function should react normally to input on the remote control, and you can lower the seat again using the remote control.
  - **Never execute homing with the user in the product!**



Picture 49 – How to execute "homing"

- If you pressed a button during the start-up sequence, then the product might not operate properly. Unplug the Innowalk, wait 30 seconds, and redo the start-up sequence as described in chapter 5, to restart the Innowalk properly.
- If the problem you have is not covered by the above-described points, please contact your Made for Movement representative. Do not use the product if some functions do not operate as intended. Please report any unexpected operation or events to your Made for Movement representative.

7.10 Technical information

7.10.1 Technical Specification

Data and measures Innowalk 2 Pro Medium

Largest width	cm	77
Length	cm	170
Highest seat height	cm	82
Lowest seat height	cm	57
Max weight of user	kg	65
Recommended height of user	cm	110 – 165
Weight of the product	kg	154

Data and measures Innowalk 2 Pro Large

Largest width	cm	77
Length	cm	180
Max product height*	cm	225
Highest seat height	cm	82
Lowest seat height	cm	57
Max weight of user	kg	110
Recommended height of user	cm	150 – 200
Weight of the product	kg	167

* All adjustments moved to max towards the product's maximum height (with tilt flat).

Module weights:

Front tilt	kg	21
Connection tube	kg	2.3
Shoe clip	kg	9,1
Ski	kg	3,4
Seat and upright	kg	37,5
Back support	kg	12
Rear module	kg	60
Arm-moving tubes w.brackets	kg	6,5 (2pcs)

Main power supply Innowalk			
Power-supply, input	AC 110-230V	50 – 60 Hz	6.0 – 2.6A
Power-supply, output	DC 24V	20.8 amp.	500W
Most relevant momentary ratings:	Volt = 24 V ampere, 10 amp.		
Motor	DC 24V	200W	

USB Charger on front tilt: Input 24V. Output: 5,2V, max 2,5 amp.
The USB charger can be used to charge phones/tablets. The Innowalk is a stand-alone medical equipment (ME), where the attachment of phone/tablet is not considered nor evaluated as part of the ME system. The USB is for charging and has no other function than that.

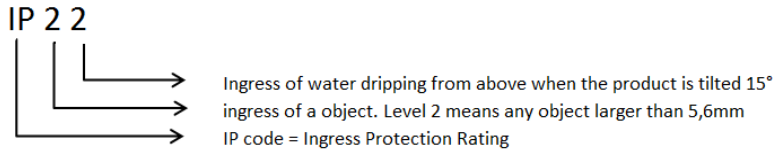
Temperature*	Running	°C	+5 - +40
	Storing/transport	°C	-40 - +70
Relative humidity*	Running	%	35-70
	Storing/transport	%	15-93
Atmospheric pressure		kPA	70 – 106

* See chapter 7.10.4 for defrosting and warmup before use

Operating time main motor: Max 1 hour continuous use on each session.
Cooldown/pause: Minimum 10 minutes equipment pause needed between each use session.
Operating time actuators + E-seat: Max 4 min continuous use, then 30 min cooldown.

Use category/classification: Non-continuous operation.

IP degree: IP22



Expected service life at main product, accessories, remote control and power supply: 5 years

Fuse: Fuse: 230V - 10A, FST 5x20

Note: No adjustment, not described in this users manual, should be performed by any other than a Made for Movement representative who have received training in adjusting the Innowalk.

Speed and Power:
Speed range: 10-85 RPM (0-60 RPM is the most used range: default)
Acceleration, 0 to 60 RPM: 10 sec. (Stepless)
Deceleration, 60 to 0 RPM: 0,3 sec. (Instantly. Pressing the Stop button at full speed)
Deceleration, 60 to 10 RPM: 10 sec. (Holding the slower button from max speed, until slowest speed is reached. Stepless)
Power: 200 Watt motor output
Acceleration/deceleration/speed rates can be changed by MFM if necessary.

Spasm Control:
Please see chapter 5.3 for details regarding adjustment of the spasm control, and who can adjust the spasm control.

Sounds:
The verification tone from remote control button pushes is approx. 50 db.
The sound from the unit during use is normally between 50 and 52 db (+-10%).

7.10.2 Power supply

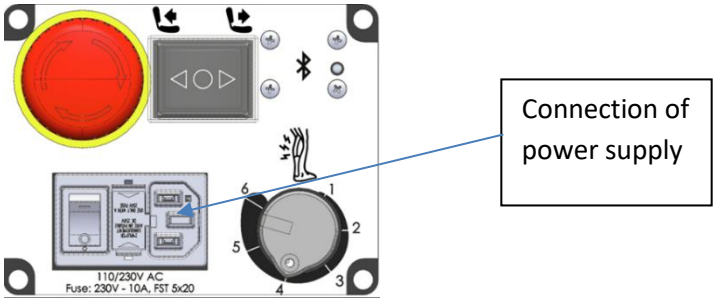
The Innowalk has a built-in power supply, and is connected to a wall outlet (110 - 230V AC) when used. If the power supply is out of order, a new electronic box with power supply can be ordered from Made for Movement and be installed by a MFM trained technician.

When electricity is connected to the product, please wait until a beep can be heard before using the remote control.

Power supply specification

Type: Protek

Model: PM500F



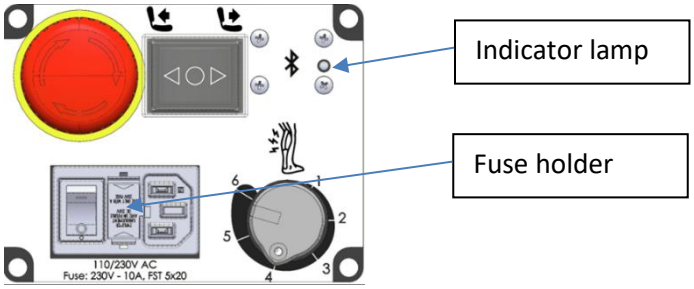
Picture 50 - Connection of power supply

Disconnect device: Disconnect the Innowalk by turning it off and pulling out the inlet power to the Power supply. Always remember to disconnect the device after use.

Important: Only the built-in power supply can be used!

7.10.3 Fuse, Indicator light

The Innowalk is equipped with a fuse at the right side of the motor cover. To inspect or replace this fuse, turn the top of the fuse holder and remove the cap to get access to the fuse. If a replaced new fuse burns over shortly after being changed, then contact your Made for Movement representative to examine the product before it's used again. The indicator lamp have circulating colours when power is connected, and the emergency switch is in its outer position. The Innowalk has power and can be operated.



Picture 51 - Indicator lamp and fuse holder

Important: Only use this fuse: Fuse: 230V - 10A, FST 5x20

7.10.4 Defrosting/cooldown after transport/storing in temperatures below 5°C or above 40°C

If the Innowalk has been transported or stored in temperatures below +5°C, the product must be defrosted before use. Low temperatures may cause failure in switches for positioning and cause the mechanisms to move heavier than normal.
If the Innowalk has been stored or transported in temperatures colder or warmer than the running temperature, it should be given 24 hours to reach ambient temperature.

Temperature	Running	°C	+5 - +40
	Storing/transport	°C	-40 - +70

7.10.5 Hot surfaces

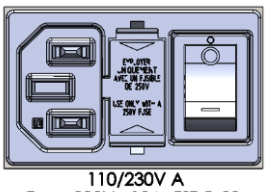
Innowalk has no hot surfaces under normal use except the motor casing that can get warm during use. Do not hold on the motor casing during use.

During charging the USB-charger on the front tilt can get warm to the touch and is to be expected.

During use in high ambient temperatures close to 40 °C the motor cover, remote control, USB-Charger and control panel buttons can achieve temperatures up to 52 °C. When the product is used under these conditions, remove your hand from the buttons on the remote control, plug and control panel when the operations is performed to avoid warm hands and/or discomfort. Do not be in contact with the remote control and control panel for more than 10 minutes continuously under these conditions. Do not be in contact with the USB-charger more than 1 minute if it's hot to the touch.

Using the product in high ambient temperatures should be assessed regarding the user, to prevent unwanted situations that can arise from activity in high temperature (eg: Fatigue, heat stroke, dehydration, concentration issues etc (this list is not exhaustive).

Important: If any other surfaces at the Innowalk become hot during use, or the cover, remote control, USB-charger or control panel buttons become so warm it causes discomfort to touch them, then immediately stop the use and pull out the Innowalk power cord from the wall outlet. This connection is found on the control panel on the side of the motor cover, where the power cord is attached to the Innowalk. The "ON" indicator light should then dim and stop when the power cord is removed from the power outlet. Contact your Made for Movement representative to examine the product before using again.



Picture 52 – AC plug

Tip: Move the Innowalk to a cooler location, and away from windows and direct sunlight if ambient temperatures are close to 40 °C for a more comfortable use.

Flammability:

Not all components of the Innowalk are rated as flame retardant. The nylon straps and the paddings do not have a high flame-retardant classification. Electrical components, covers and all metal parts however are fire resistant. It is stated under chapter 7.5, that the Innowalk shall never be used close to an open flame or sources of high heat.

7.10.6 Motor

24V DC current supply, 200W brushless servo motor

7.10.7 Motor-control (Brushless DC-motor driver)

Digital speed-control

This is an electrostatic sensitive unit. Electrical devices, such as Innowalk, can be affected by other electrical devices situated nearby. E.g.: TV, cellphones, or amateur radio. If the Innowalk does not respond normally, you should immediately cease use. Innowalk must not be used nearby life-sustaining electrical devices and medical equipment.

7.10.8 Corrosion protection

Corrosion protected material is used. The parts in the Innowalk are produced of different materials: Aluminum, stainless steel, plastic, and fabric. The parts that may have a risk for corrosion have been protected. The following surface treatments have been used:

- Powder coating
- Anodizing (aluminium)

7.11 Tests and approvals

The technology behind Innowalk 2 Pro is patented and has a registered trademark.

Made for Movement Group AS declares that the product is in compliance with essential safety and performance requirements and other relevant provisions of the following regulations and standards:

EU 2017/745 Medical Device Regulation (EU MDR)
FOR-2005-12-15-1690 Forskrift om medisinsk utstyr
SI 2002/618 UK Medical Device Regulation (UK MDR)
NEK IEC 60601-1 3.2 edition
NEK IEC 60601-1-2 4.1 edition
NEK IEC 60601-1-6 3.2 edition
NEK IEC 60601-1-11 2.1 Edition
NEK EN 62366 1.1 edition
NS-EN ISO 14971 :2019
NS-EN ISO 13485 :2016
NS-EN 21856 :2022
SS-EN 21856: 2022
NS-EN 60529 :2013

The product is CE and UKCA approved.

Declaration of conformity is available upon request.

This users manual is delivered with the product. The users manual can also be downloaded from our website: www.madeformovement.com

7.12 Chapter not in use

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7.13 Technical Inspection and Maintenance

Inspection	
Daily Pre-Check:	Perform the daily Pre-Check as described in chapter 3 before use.
Monthly Pre-Check:	Perform the monthly Pre-Check as described in chapter 3 once a month.
Inspection:	It is a requirement that annual inspection of the Innowalk is executed. The inspection shall be executed by a trained Made for Movement representative. If there are findings from the inspection, a repair must be ordered. The Innowalk shall not be used again before it's repaired, unless otherwise agreed with the representative that it is ok to use the product until it has been repaired.

Maintenance	
Washing:	Keep the Innowalk clean. If necessary, disinfect the Innowalk.
Repairs:	Repairs and replacement of worn parts are performed by a Made for Movement representative. Order repairs from your local Made for Movement contact person.

 **Important: If annual inspections and repairs are not being executed and documented, then the product certification is broken, and Made for Movement is no longer liable for any unwanted events, incidents or injuries that occur. That responsibility is upon the customer in the unlikely event that the annual inspections and eventual repairs are not performed. The two years warranty will also not be valid if the annual inspection and repairs are not executed.**

Maintenance information:
Made for Movement develops and produces unique standing, activity and walking aids for people with disabilities. These products are designed with moving parts to enable smooth operation, and easy and safe use. Some of the moving parts and key components will get worn out during use, and will need to be replaced. Pre-check and inspections are executed to make sure the unit is safe to use over time, and that wear is discovered and repaired.

Typical wear parts are listed below. Other parts may also get worn out due to heavy use and/or movement pattern, and these will also need to be replaced if worn out. A repair must be ordered if wear is identified, and the product shall not be used again until the product is repaired, unless otherwise agreed with your Made for Movement representative.

Potential wear parts within the warranty period: Paddings/belts/seat, guide straps, hook plates, knobs, wheels, stoppers, index bolts, covers, tray (extra equipment).

Potential wear parts between year 2 and 5*: Foot plate with leg support, ski, actuators, column, cam stop, pulley tower, chest-support, hip support, swing seat, back attachment, remote-control, drive belts, bearings. Extra equipment, paddings, moving parts, or parts prone to high force, can also be worn out and in need of replacement during this period.

* Normally most of these parts will last for many years, however the pace of parts being worn down is highly individual and relates to each users use of the product.

Labels are very seldomly worn out, but for somewhat special cause they are worn out and difficult to read, these shall be replaced during the annual inspection.

Checklist (paper or digital) for annual inspection shall be used, signed and securely stored by the Made for Movement representative. Label for executed annual inspection to be applied to the product (in some markets).

Do not execute maintenance when the product is in use, or the user is in the product.

7.14 Waste handling / recycling

All metal components in the Innowalk can be recycled. Electrical components and print circuit boards should be delivered to an approved depot or be sent to Made for Movement Group AS.

Covers, metal parts etc., can be handled as normal waste and be recycled at an approved depot.

7.15 Cleaning and disinfection

Innowalk can be washed with a soft cloth, misted in mild soap water. Ordinary household cleaning products may be used. Do not use high pressure washing or other mechanical hard washing techniques.

To clean the:	To wash; use:	To disinfect; use:
Metal parts	Soft cloth, misted in mild soap water	Ethanol on cloth
Paddings/belts	Soft cloth, misted in mild soap water	Ethanol on cloth

Innowalk can be disinfected with alcohol-based cleaners. Stronger cleaners should not be used. For specialized disinfection cleaners, contact Made for Movement for list of existing governmental approved disinfection agents.

Important: Innowalk must be washed at least once a week

Important: Do not use spray water or any other liquids directly to any of the moving parts or at the electronics.

7.16 Indoor and outdoor transportation

Please refer to chapter 5.9 Transport wheels for details regarding the use of transport wheels. The transport wheels should be used for indoor and outdoor transportation to ease handling and movement of the Innowalk. If lifting is still required to get the product into the desired location, please lift in the frame parts, and always make sure correct lifting techniques and enough manpower is used to prevent injuries to the handlers as the Innowalk is heavy.

When moving the Innowalk outdoors please make sure that the ground is free of obstacles, on a level surface, and safe to move without obstacles and dangers. Move the Innowalk slowly and never faster than the handler easily can stop and hold back the Innowalk. In special cases where the Innowalk is to be installed in a high floor building without a lift, the Innowalk can be sent out in 2 modules to ease carrying the modules to the desired floor for assembly. Please contact Made for Movement for planning and execution of this when necessary.

The Innowalk must be in the lower front tilt position during transport, to prevent the front tilt from being damaged.

When the Innowalk is transported in a car/truck/trailer or similar, it shall always be securely attached. Straps shall only be attached to the frame as indicated in Appendix 5. Attaching to other parts may damage the unit.

Picture 53 - Lifting / strapping areas circled out

Important: Innowalk must not, under any circumstances, be moved with the user in!

Important: Please be careful when transporting the Innowalk over obstacles such as door frames, uneven ground etc. as rough handling over obstacles can damage the transport wheel solution. Preferably place the transport wheels in parallel to the obstacle as there is much less chance to damage the wheels is force is applied evenly.

7.17 Chapter not in use

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7.18 Warranty

Made for Movement Group AS admits two years warranty for all new Innowalks. This warranty does not cover any extra equipment or custom-made parts produced by others than Made for Movement. Normal wear parts are not covered by the warranty.

Expected lifetime for Innowalk is 5 years.

Following premises must be complied for a valid warranty:

- Inspections executed by a Made for Movement representative.
- Repairs executed by a Made for Movement representative.
- The pre-check and the maintenance (chapter 3+7.13) has been executed, and maintenance can be documented.
- Repairs which are covered by the warranty, must be approved in advance by Made for Movement. Warranty claims should be sent Made for Movement within reasonable time (2 months at most). Claims put forward after this might lose the right to claim warranty.
- The Innowalk has not been rebuilt or repaired by other than a Made for Movement representative.
- Innowalk has been kept clean.
- Innowalk has been treated normally and in compromise with this users manual.

If the Innowalk does not work to satisfaction, please contact Made for Movement Group AS at +47 35 50 51 20, or e-mail: info.no@madeformovement.com

Please report any unexpected operation or events to Made for Movement or its representative. If the Innowalk needs to be repaired, then the Innowalk should not be used again before it's repaired, unless otherwise agreed with the representative that it is ok to use the product until it has been repaired.

7.19. Separation distance

The Innowalk is supposed to be operated in a controlled environment regarding the RF interference. The operator, responsible for the use of Innowalk, can avoid electromagnetic interference by keeping the separation distances between portable and mobile RF communications equipment (such as mobile phones, VHF-radio, radio-controlled toys, and other electrical devices transmitting signals) and the Innowalk. The safe distance is depending on the performance of the communication device. Please read the safe distance in the table below.

Rated maximum output power of transmitter W	Separation distance in relation to the frequency of transmitter in meter. **800 MHz to 2,5 GHz** d=2,3√P
0,01	0,23m
0,1	0,7m
1	2,3m
10	7,3m
100	23m
For transmitters rated at a maximum output power not listed above, the separation distance (d) in meters (m) can be estimated using the equation, where P is the maximum output power of the transmitter in watts (W) according to the specifications of the manufacturer.	
NOTE 1 At 80 MHz and 800MHz the higher frequency range applies. NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.	

UK Responsible person:

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167-169 Great Portland Street, Fifth Floor
London, W1W 5PF
England, United Kingdom
Office: +44 3301136366

Manufacturer:

Made for Movement Group AS
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3735 Skien
Norway

Tel. +47 35 50 51 20
Fax +47 35 50 51 21
info.no@madeformovement.com
www.madeformovement.com
BRN: NO 991 237 615 VAT

Appendix 1 - Training of operator

Training and Operators

Before starting to use the product, the operator must receive training from a Made for Movement representative. Only trained operators are allowed to operate the product and educate colleagues on Innowalk use. The training program consists of, at minimum, the below topics.

Innowalk 2 Pro training:	**Performed: Yes/No**
Information stating that only trained operators shall operate the product	
Precautions, Indications and Contraindications for use	
Pre-Check	
Safety features	
Entering and exiting the product	
Seat height adjustment	
Seat depth adjustments (E-seat)	
Using and locking the swivel seat	
Attaching belts and leg support	
Adjusting head rest and pulley tower	
Using the remote control (seat up/down/speed/stand/sit/start/stop), and homing.	
Explanation of how the spasm control works	
Using the transport wheels	
Attachment and use of extra equipment	
During use; observation and check of the patient	
Handover of user manual and explaining what it includes (incl. troubleshooting chapter 7.9)	
Using the QR-code on the product	
Adjustment in accordance to user growth (when applicable)	

Set N/A (Not Applicable) for topics that are not relevant in this case.

Date / Place: Innowalk serial nr:

Trained by: Training recipients:

Appendix 2: Inspection Checklist.

Please see separate document for what to check on the inspection. This shall only be performed by Made for Movement (MFM), it's representatives or trained partner.

Appendix 3- Measurement Form

Please see separate document for measurement forms. Example below:

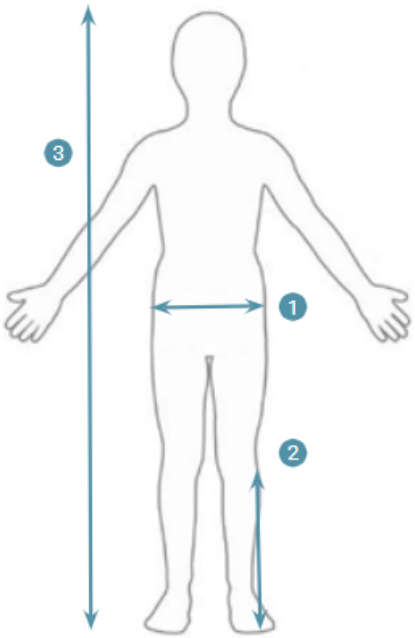
MEASUREMENT FORM

made for movement

INNOWALK PRO

USER NAME		DATE OF MEASUREMENT	
PHYSIOTHERAPIST			

MEASUREMENTS		
Measurement 1 HIP WIDTH (CM)		cm
Measurement 2 LOWER LEG (CM) (SOLE OF SHOE TO CENTRE OF KNEE JOINT)		cm
Measurement 3 OVERALL HEIGHT (CM)		cm



Diagnosis	
Relevant history	
Orthoses	
Other equipment	

NOTE

ALL MEASUREMENTS SHOULD BE TAKEN WITH FOOTWEAR ON

PRE-SCREEN CHECKLIST		COMMENTS / ACTION		
Seizures	○			
Known low bone mineral density	○			
Sensory impairment	○			
Leg length discrepency	○	SHORTER SIDE: RIGHT ○	LEFT ○	DIFFERENCE IN CM _____
Communication aids	○			

PERSONAL SETTINGS

made for movement

USER NAME			
PHYSIOTHERAPIST		DATE OF MEASUREMENT	

SEATING		COMMENTS
SEAT HEIGHT		
SEAT DEPTH		
SPASM CONTROL (RANGE 0-6)		
TILT IN SPACE		

CHEST SUPPORT	LEFT	RIGHT	COMMENTS
HEIGHT			
WIDTH			

LEG SUPPORT	LEFT		RIGHT		COMMENTS
FOOT PLATE POSITION ON SKI					
FOOT PLATE WIDTH POSITION					
LEG SUPPORT HEIGHT					
LEG SUPPORT PADDING TYPE	Thick	Thin	Thick	Thin	
CAM STOP HYPEREXTENSION BLOCK IN USE	Yes	No	Yes	No	
LEG LENGTH DISCREPENCY SOLES IN USE	Yes	No	Yes	No	

GUIDESTRING		COMMENTS
TENSION ON GUIDESTRING (IW PRO S/M)		
NUMBER ON GUIDESTRAP (IW PRO L)		

HIP SUPPORT			COMMENTS
HIP SUPPORT SIZE (Innowalk Pro S/M)	Narrow	Wide	
HIP SUPPORT POSITION (Innowalk Pro S/M)	High notch	Low notch	
	LEFT	**RIGHT**	
HIP SUPPORT HEIGHT			
HIP SUPPORT WIDTH			
HIP BELT IN USE	Yes	No	

SUPPORT EQUIPMENT			COMMENTS
SHOULDER STRAPS	Yes	No	
TRAY	Yes	No	
NECK SUPPORT	Yes	No	
ARM MOVEMENT HANDLES	Yes	No	
HAND FIXATION GLOVES	Yes	No	

EXERCISE PRESCRIPTION	COMMENTS
DURATION	
TIME/SESSION	
TIME/WEEK	
MIN/MAX SPEED	

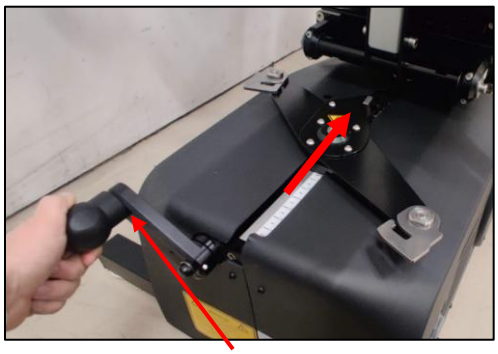
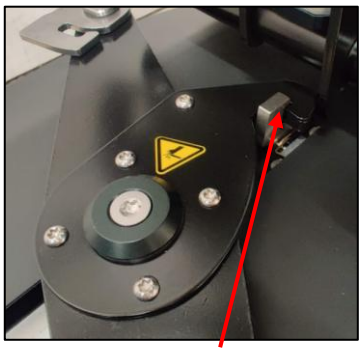
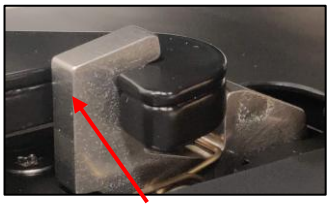
Appendix 4 – List of accessories / Extra equipment

Please see chapter “7.8 Extra equipment” for details.

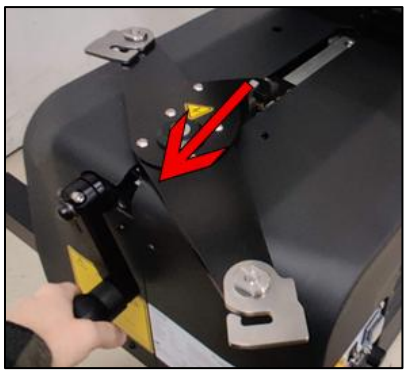
1. Tray
2. Arm movement
3. Soles
4. Shoulder straps
5. Remote control
6. Power cable

Appendix 5 – Transport and securing of Innowalk

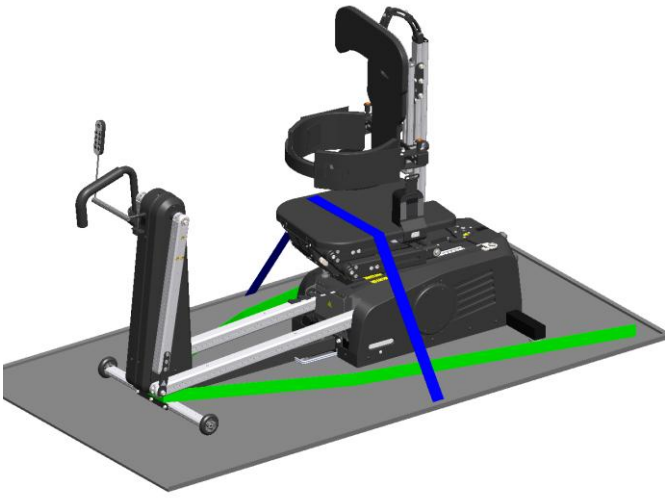
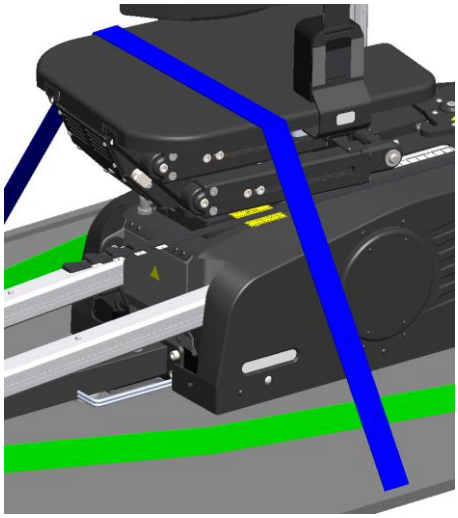
To move the Innowalk, first loosen the straps between shoe and wing.

By turning handle (1) counter-clockwise, position the hook (2) onto the locking arm (3)




After hook (2) is engaged turn handle (1) clockwise to lift the rear of the product. Product can now be moved. Push on back column.

To strap in car or trailer ALWAYS make sure transport wheels are not active. Product must rest on rubber feet. Thread strap over seat pillow and anchor to floor (Blue). Then anchor one strap and loop around front. (Green)