

MultiLift550™

SystemRoMedic™



*Powered
moving and turning*

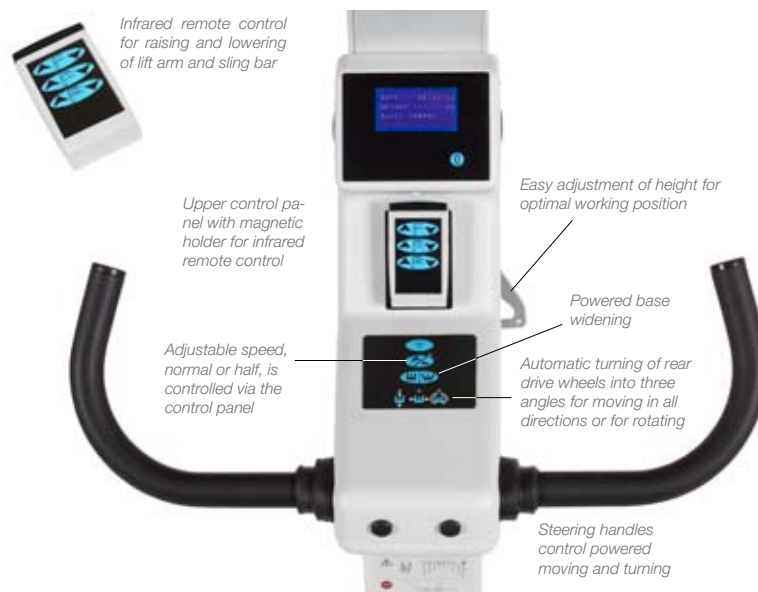
SWL 250 kg/550 lbs

MultiLift550 - a hard-working hero

MultiLift550 is a unique, motor assisted mobile patient lift for all lifting situations and especially useful for heavier users weighing up to 250 kg/550 lbs. Two powerful rear drive wheels, with integrated electric motors, move and turn MultiLift550 with no physical exertion from the caregiver. MultiLift550 is easily operated via an intuitive control system consisting of steering handles, a control panel with a display and an infrared remote control. When used with SystemRoMedic's functional and easy-to-use lifting slings, MultiLift550 is the right choice for safe and easy lifting of users in connection with transfers to and from the floor, chair, bed or toilet and from one room to another. MultiLift550 is also an excellent solution for horizontal lifting and gait training.

Powered moving and turning

MultiLift550 is a truly ergonomic, mobile lifting device requiring no physical exertion from the caregiver. MultiLift550 features powered moving in all directions and at adjustable speed. The large rear drive wheels and the very small turning radius make MultiLift550 very easy to manoeuvre and turn in most spaces and on all types of surfaces including softer floors and carpets. The lift can also easily drive over door thresholds, electric cords and other small obstacles on the floor. Using the buttons on the control panel, the rear wheels can be turned into three different angles so that MultiLift550 moves either forward/backwards or sideways or rotates on its axis to be positioned exactly as required. Another button controls the stepless electrical base widening. If required, MultiLift550 can also be moved manually, even with a heavy load.



Intuitive driving and manoeuvring

MultiLift550 is easily operated via an intuitive and height-adjustable control system consisting of steering handles, a control panel with display and an infrared remote control. Driving forward, backwards and sideways, is done by gently pressing the steering handles in the desired direction of movement. By pressing the steering handle forwards and to the side at the same time, the lift will move forward and turn. MultiLift550 moves the way **you** want it to.

Driving forward and backwards

With the rear wheels in the normal position, MultiLift550 drives forward or backwards. With this wheel position, the turning circle is 230 cm / 90.5”.



Sideways driving for easier positioning

With the rear wheels turned to 90°, MultiLift550 can drive sideways for optimal manoeuvrability and easier positioning, for example by a bed chair or toilet.



Driving in an extremely small circle

With the rear wheels positioned at an angle of 45°, the lift turns around within its own length. With this wheel position, the turning circle is 139 cm / 54.7”.



Stepless electrical base widening

The electrical base widening, from 53.6-134.6 cm / 21.1”-53”, allows MultiLift550 to straddle larger chairs and wider wheelchairs used by heavier users.



Straight lifting in two different ways

MultiLift550 features a unique lifting solution with two different ways of lifting, combining the features and advantages of a ceiling lift unit and a mobile lift in one product.

The sling bar is attached to the lift strap instead of to the lift arm. The lift strap with sling bar can be raised and lowered in a straight line, independently from the mast and lift arm. The mast can be moved up and down, raising and lowering the lift arm, with the sling bar and user remaining in the same position. Both ways of lifting produce a unique, safe and functional, straight lifting movement and a very large lifting range. The lift arm and sling bar can also be raised and lowered simultaneously.

Independent raising and lowering of lift arm

The lift arm, which has an adjustable height of 149.9-217 cm / 59"- 85.4" above the floor, can be raised and lowered to the desired position without changing the position of the sling bar and user. This produces a straight lift, but also a very large lifting range and ample space for both caregiver and user. It also provides an easy and convenient solution for repositioning and turning a user both right and left in bed without moving the lift.

Furthermore, this function offers a safe and very practical solution for making way when passing through lower door openings.



Independent raising and lowering of sling bar

The sling bar can be raised and lowered to the desired position without moving the lift arm. The length of the lift strap easily allows for safe and convenient lifting from a recumbent position on the floor.

The lifting movement stops automatically when the sling bar meets the lift arm inlet. During transportation of a user, the sling bar should be in its top position, placed into the inlet socket of the lift arm. This position locks and stabilizes the sling bar in the lift arm so that the user will not experience any unpleasant swinging from side to side caused by a free hanging lift strap.



Remote controlling

The lifting functions are primarily controlled by the wireless infrared remote control, which can be placed either in its magnetic holder on the upper control panel or in the hand of the caregiver. The remote control allows the caregiver to work closely to the user, with enhanced focus on the lifting operation, thereby providing both security and comfort. The lifting functions can also be controlled directly from the upper control panel.

MultiLift550 prevents accidents and injuries

With MultiLift550, many different transfers of users weighing up to 250 kg / 550 lbs, can be performed in a safe, easy and comfortable way, without heavy lifting and bodily strain, even by a single caregiver. That is one example of how MultiLift550 efficiently prevents accidents and work load injuries. The lift also offers a number of other safety features:

- A short delay from activating the steering handle until the lift starts moving prevents moving due to unintentional touching.
- The lift stops immediately when the steering handle is released.
- Manual brake levers on the rear wheels prevent the lift from moving when turned off. The wheels are automatically unlocked when MultiLift550 is turned on and the steering handle is activated.
- EMB brakes (Electro Mechanical Brake) automatically activate within the rear wheels when the lift is moved on an incline.
- The emergency stop button is clearly marked and easily accessible.
- Manual and electrical emergency lowering.
- The tilt-protection automatically activates should the lift tilt, e.g. in large inclines or when there are large obstacles.
- A collision safety sensor in the front of the lift arm prevents the lift from colliding with walls or other objects.
- Internal sensors prevent the lift strap from jamming.
- Anti-entrapment sensors provide finger protection at the inlet socket.
- Automatic overload and safety cut-out prevents overloading.
- If required, MultiLift550 can also be moved manually, even with a heavy load.
- Quick guide on the battery pack.

MultiLift550™

Reliable and service friendly

Versatile, manoeuvrable and with excellent functionality, MultiLift550 is also highly reliable and service friendly.

- Rechargeable and environmentally friendly LiFePO₄ batteries delivering full power during the entire battery lifetime (2000 chargings / 5 years of usage).
- Fully charged batteries last for approximately 200 lifts or 10 km driving with full load.
- The display on the control panel shows the current battery level.
- A sound signal indicates when it is time to charge the batteries.
- An indicator on the charger shows when charging is in progress and when the battery is fully charged.
- A complete charge takes a maximum of 11 hours.
- The diagnostics provided by the control system gives information about number of lifts performed, when service was last performed, when the next service should be performed etc.
- Easy and convenient servicing and changing of parts.

TECHNICAL INFORMATION

Safe working load	250 kg / 550 lbs
Effective lifting height	0-192.8 cm / 0-75.9"
Height	149.9-217 cm / 59"-85.4"
Base width (inside measurement)	53.6-134.6 cm / 21.1"-53"
Height of legs	11.7 cm / 4.6"
Castors / wheels	Front: 10 cm / 3.93" Rear: 21 cm / 8.35"
Driving speed	max 2.3 km / 1.4 miles per hour
Lifting speed, strap	3.2-4.7 cm / 1.26-1.85" per sec
Width	70 cm / 27"
Length	126 cm / 50"
Weight (including batteries)	98 kg / 215 lbs
Emergency lowering	Manual and electrical
Frame, material	Aluminium / ABS plastic
Battery pack	24 volt 15 Ah LiFePO ₄
Battery (remote)	Lithium Button Cell, CR2450, 3V 550 mAh
Number of lifts	200 lifts with full load
Driving distance	10 km / 6.2 miles with full load
Protection class	IPX4
Noise level	60 dB(A)
Sling bar, material	Aluminium
Sling bar, width	60 cm / 23.6"



MultiLift550 is tested by an accredited testing institute and comply with the requirements of the directives for medical-technical Class 1 products (MDD 93/42/EEC).

Patents (US7, 634,824 B2) and patents pending on several functions of MultiLift550.



Rear drive wheels with integrated electric motors for powered moving in all directions

PRODUCT SPECIFICATION

MultiLift550, complete with remote control, sling bar and charger Art. No. 01-011000110

ACCESSORIES

MultiLift550 is supplied complete and ready to use, equipped with a wider sling bar (60 cm/23.6"), providing a more open lifting sling which is ideal for larger users. SlingBarSpreader M side bars can be used as an accessory to open up the lifting sling and provide for a more reclined position.

SlingBar S, 35 cm / 13.8"	Art. No. 01-70200043
SlingBar M, 45 cm / 17.7"	Art. No. 01-70200044
SlingBarSpreader M	Art. No. 01-70200042

SystemRoMedic™ lifting slings

Read more about SystemRoMedic™ and our complete range of lifting slings and order your copy of the Lifting Slings brochure on our website, www.handicare.com.

SystemRoMedic™ is a complete solution for easy transfers. The concept encompasses four product areas that meet most needs in different transfer situations.

Transfer, between two locations. **Positioning**, within the same location.

Support, for mobility. **Lifting**, both manual and mechanical.

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