



Integralift

HIDDEN HOIST

User Manual

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Explanation of symbols

CE



Warning



Read Client manual



Product for indoor use



1. Introduction

Before we go any further, we just want to say thank you.

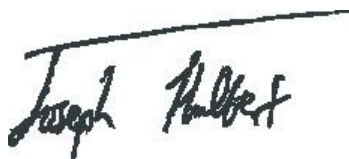
The Integralift™ is an innovative new patient hoist. Its design is revolutionary, fresh, ground breaking. It's hidden from sight, yet strikingly user-friendly.

The team at **Innova™** want to say a big 'Thank You' for choosing the Integralift™ hoist. You've certainly made the right decision - you've just invested in cutting-edge technology, great aesthetics, and client comfort.

We're confident that this lifter will provide you with quick, effortless, simple, and comfortable transfers for many years to come.

To find out more about **Innova™**, the AirRise260™, our patented AirGlide360™ tracking system, or any of our other leading brands, please visit our website www.innova.uk.com.

We're looking forward to working with you again soon!



Joseph P Hulbert
Innova™ Team Leader

2. Safety



Max client weight

Max client weight (SWL) for the Integralift™ 230 is **230 kg**



- **IMPORTANT:** Integralift™ must only be operated by personnel with the proper training to do so. Read this Client manual before operating Integralift™ and please keep the manual at hand for everyone using Integralift™. This product must be installed by authorized personnel only. **Do not modify the equipment. Only use parts delivered by Innova. Do not leave the client suspended in the sling.**

Before first time use make sure that:

- Installation is correctly done, tested and signed by authorised personnel
- The Lifting bar is correctly mounted
- Client manual is read and completely understood
- The emergency lowering switch is working

Before lifting always make sure that:

- The Lifting bar is fastened correctly to the lift strap
- The lift strap is not twisted or worn
- The lifter can run up and down, and power cable is connected to the mains
- There is no visible damage to the Integralift™ or the sling
- The sling is the correct type; adapted to both the client and lifting bar
- The sling is mounted correctly around the client
- The sling is fastened correctly to the lifting bar before the client is lifted from the bed

3. Product description



The Integralift™ is a non-intrusive patient lifter that offers a safe and efficient lifting experience

Non intrusive - Integralift™ creates a more attractive room for the client and gives a subtle appearance. The Integralift™ appears as an item of fitted furniture which encloses the client's bed and becomes a natural part of the room's interior.

- Cabinets can be bespoke manufactured in different wood colours to fit different decors
- Down lighters: Personalise the top cabinet with this option

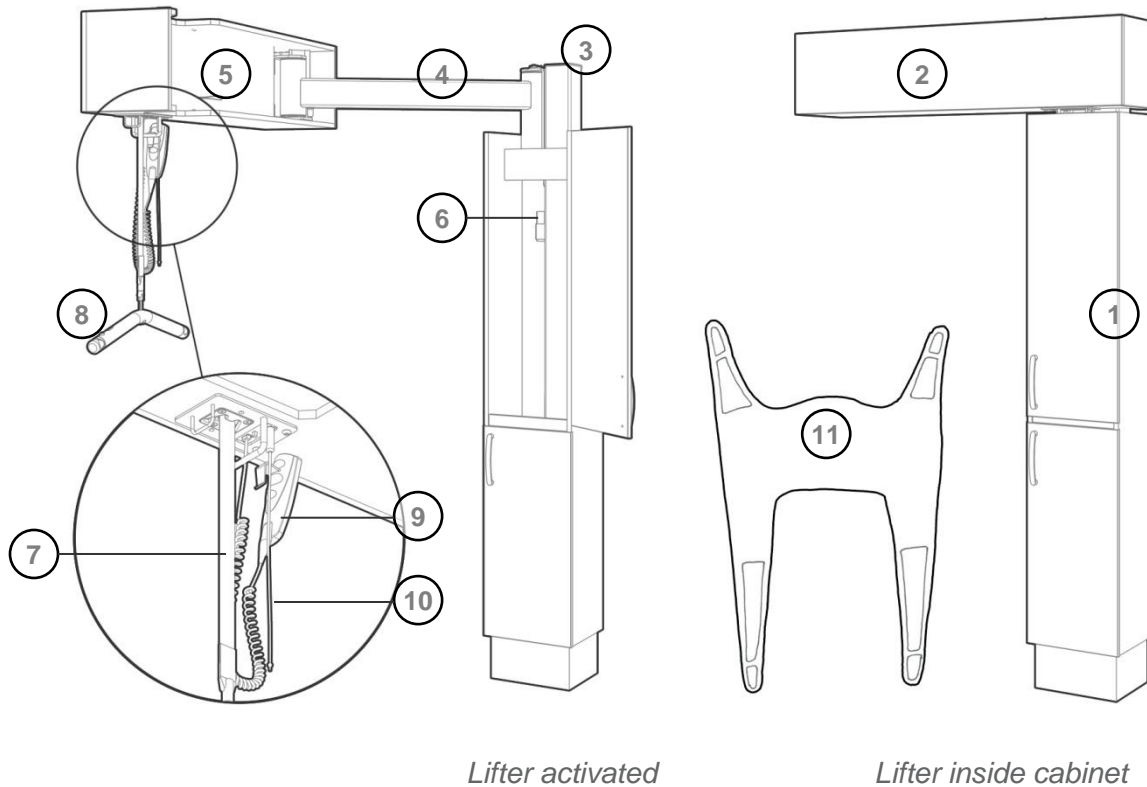
Safe & efficient - Integralift™ is designed to ease the whole transfer process.

- Everything in place- always. The lifting bar, sling and remote in dedicated places
- No charging routines. Connected to mains and always fully charged
- Flexible hoisting points

Easy installing - Integralift™ can be easily fitted in most homes or institutions as part of a new build or retro fitted during a refurbishment

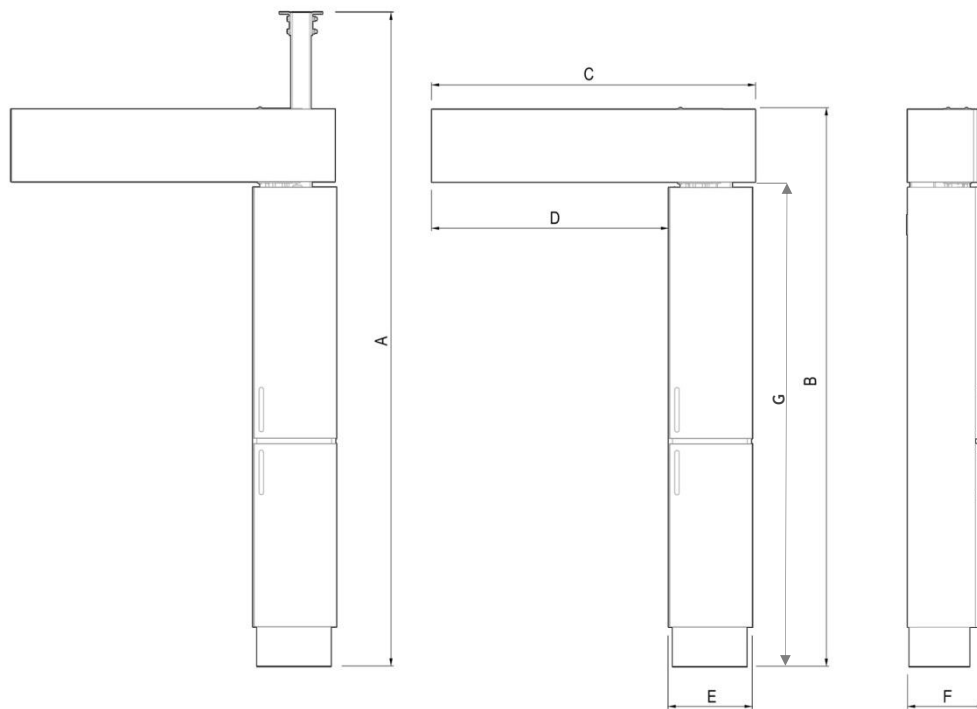
4. Main components

Integralift™ consists of a vertical cabinet and a top cabinet where the lift is integrated. The lifting bar and remote control have dedicated places in the vertical cabinet. The person being lifted is hereby called the client and the one giving assistance is called assistant.



- | | | |
|-----------------------|--|--------------------|
| 1. Vertical cabinet | 5. Front jib | 8. Lifting bar |
| 2. Top cabinet | 6. Battery charger: 24V
MASCOT 9940 | 9. Remote control |
| 3. Vertical structure | 7. Lift strap | 10. Emergency stop |
| 4. Back jib | | 11. Sling |

5. Dimensions



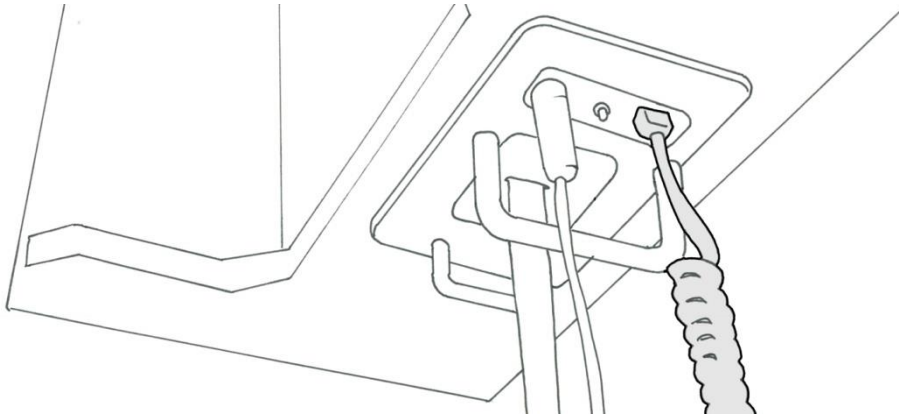
Model	Capacity	A	B	C	D	E	F	G
WM-230	230 kg	220	226	124	89	35	30	197
FC-230	230 kg	230-330						
IW-230	230 kg	230-500						

All measurements (A-G) in centimeters.

6. Before First time use

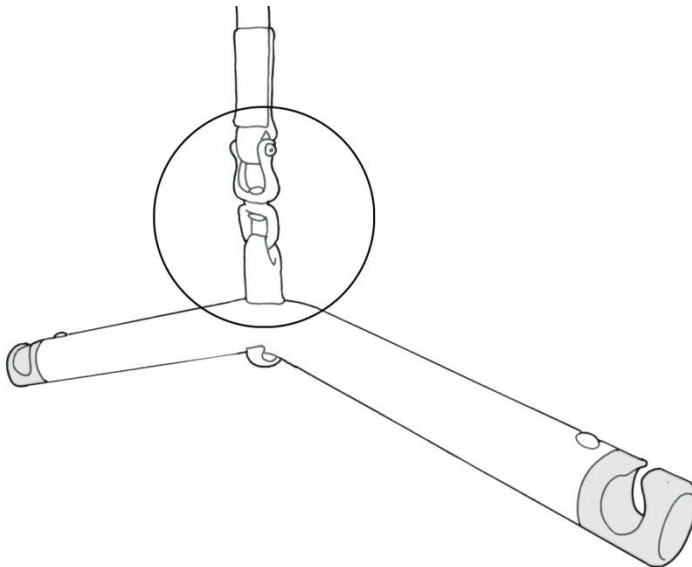
Remote control

The remote control socket is mounted in the outlet on the underside of the front jib. Push the socket till you hear a click.



Lifting bar

The Lifting bar is correctly mounted to the swivel in the end of the lift strap.



Power

The lifter's battery charger is always connected to the batteries and the charger should always be connected to a 100-240V AC electric socket.

Backup battery

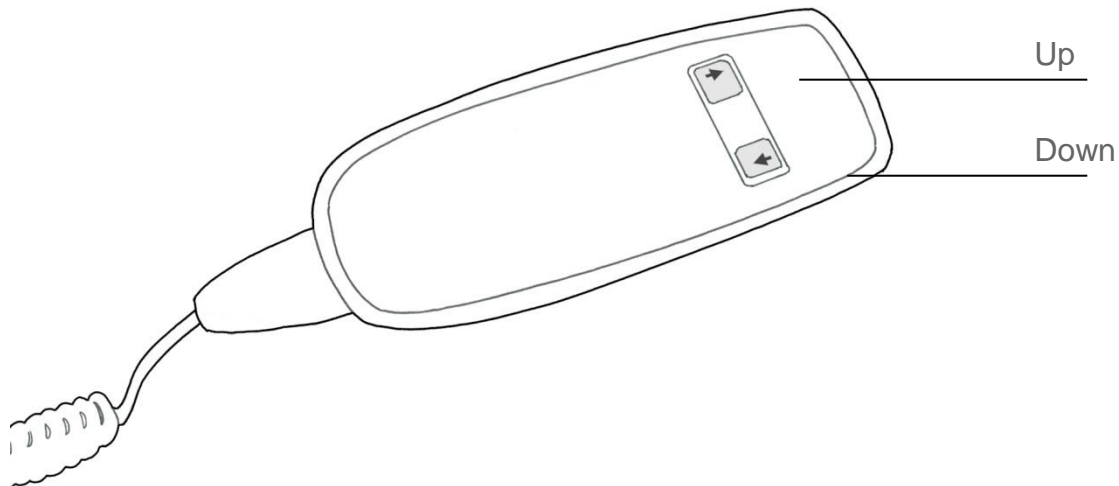
In case of a power cut the lifter has a backup battery that lasts until 40 lifts before recharging.

7. Handling

Remote control

The remote control has two buttons; one for raising and one for lowering the Client. The arrows on the buttons indicate the direction. Raising or lowering starts when one of the buttons are pushed gently and stops when the button is released.

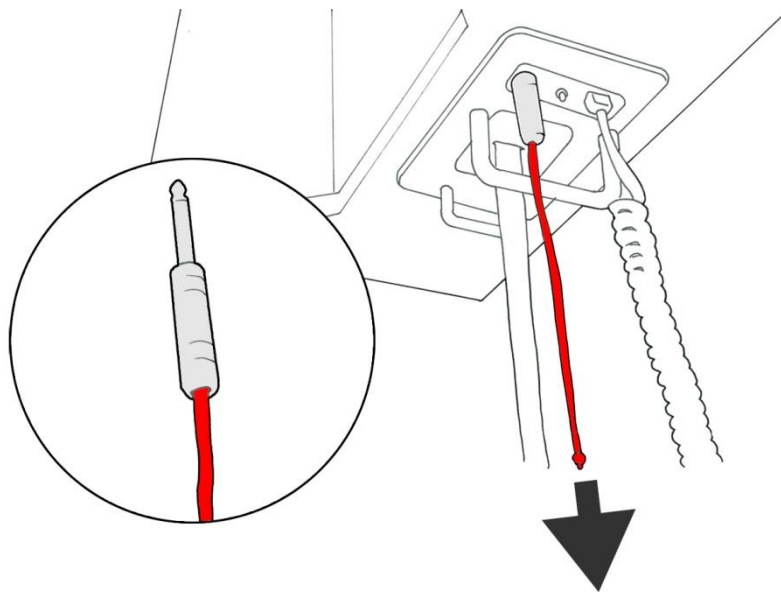
Hint: To be able to lower the Lifting bar without a Client the Lifting bar must hang freely.



Emergency stop

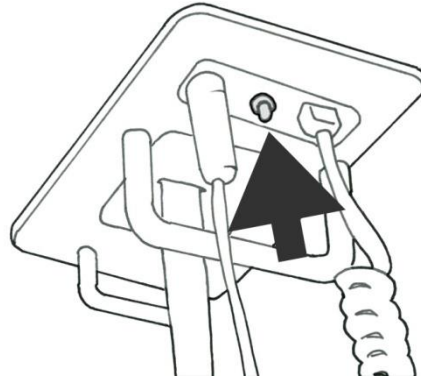
The emergency stop should be used in emergency situations and will stop the lifter immediately. The emergency stop is activated by pulling the red string so that the socket comes off, and you will hear three beeps.

In order to reset the emergency stop push the socket back in. You will then hear two beeps.



Electrical emergency lowering

If the lifter should stop working, use the electrical emergency lowering to get the Client down safely. Press the black emergency button until the Client is safe on the bed or chair.

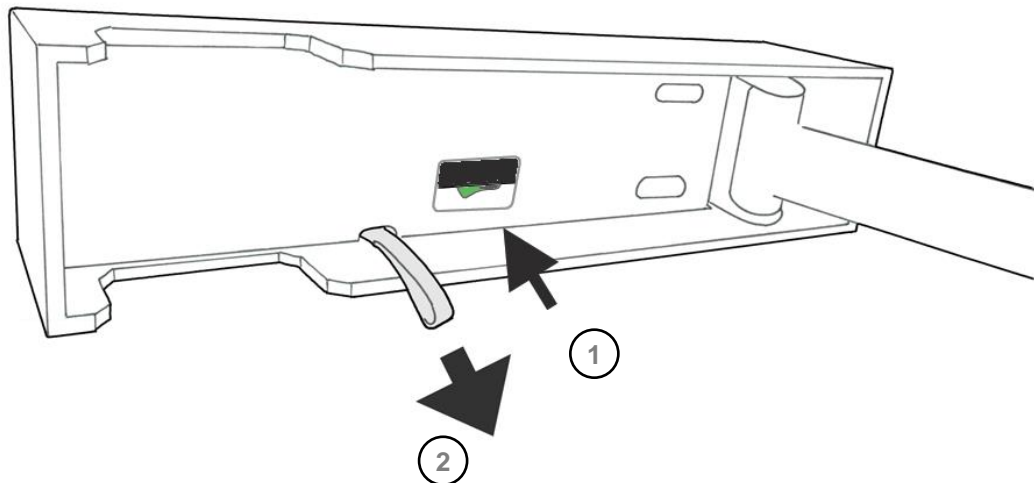


Mechanical emergency lowering

If the electrical emergency lowering fails, the Client can be lowered mechanically. Ensure the client will be lowered to a suitable location.

To start the procedures follow these two steps:

1. On the back of the top cabinet you will find a small window with a green switch (stand on a footstool). Flick the switch from green to black.
2. Pull the black string intermittent, some seconds at the time, keeping the Client at a secure speed.



Alternative, if a bed with raising function is available raise the bed until the sling can be removed in a secure manner.



Warning: If you have been forced to use the mechanical emergency lowering device contact your service partner (see back cover of this client manual) before further use of the lifter.

8. Lift and movement

About lift and movement



- Ensure the client's weight is under max client weight for the lifter. See the front page
- For a comfortable and safe, lift plan it in advance
- Move any obstacles prior to lifting
- Ensure that wheels on wheelchair, bed etc. are locked prior to lifting
- Ensure that all four loops of the sling are securely fastened to the lifting bar:
 - This has to be checked both before the lift strap is tensioned and before the client is lifted
- Ensure the client is sitting securely in the sling before the transfer
- The client should hang as low as possible during transfer facing the direction of the movement
- Never leave the client unattended in the sling

Movement from bed to chair

1.

Open the vertical cabinet and select the correct sling for the client.

Place the sling under the client and stretch out the loops of the sling.

If the bed can be raised to a sitting position this will ease the strain for the client.



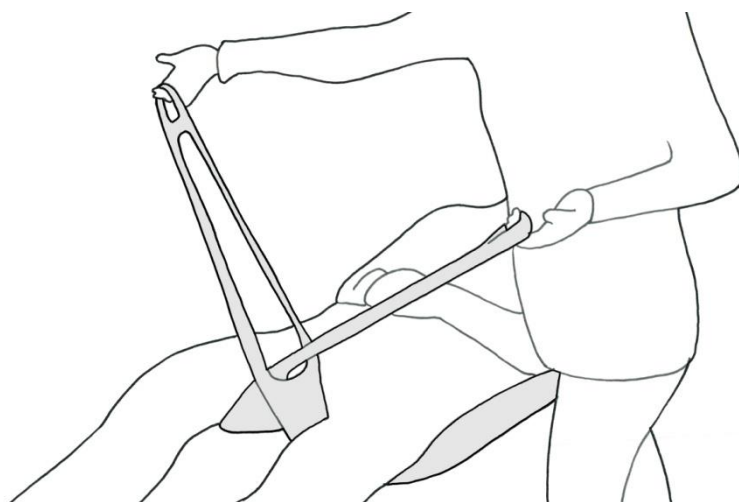
Option 1: sling from the side



Option 2: sling from the back

2.

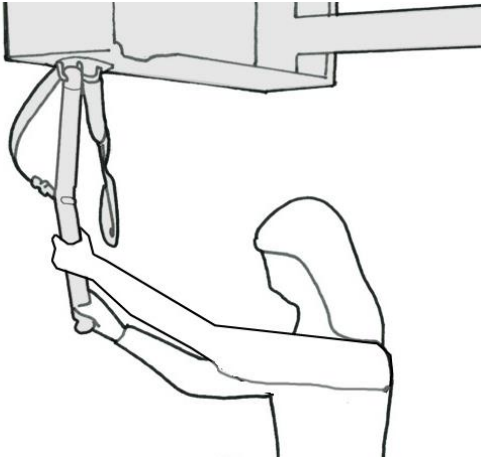
Cross the leg support- one loop through the other.



3.

Open the vertical cabinet. You'll find the Lifting bar hanging on the dedicated handle.

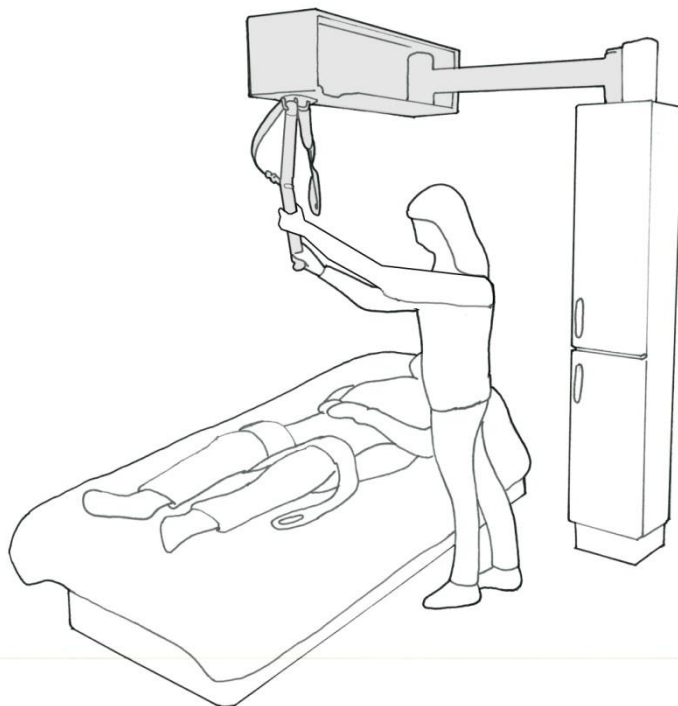
The lifter is positioned by pulling the Lifting bar with both hands.



Using the lifting bar, guide the unit to be directly above the client.

Unhook the Lifting bar from the handle. Lower or raise the Lifting bar to the correct height just above the client.

Close the vertical cabinet.

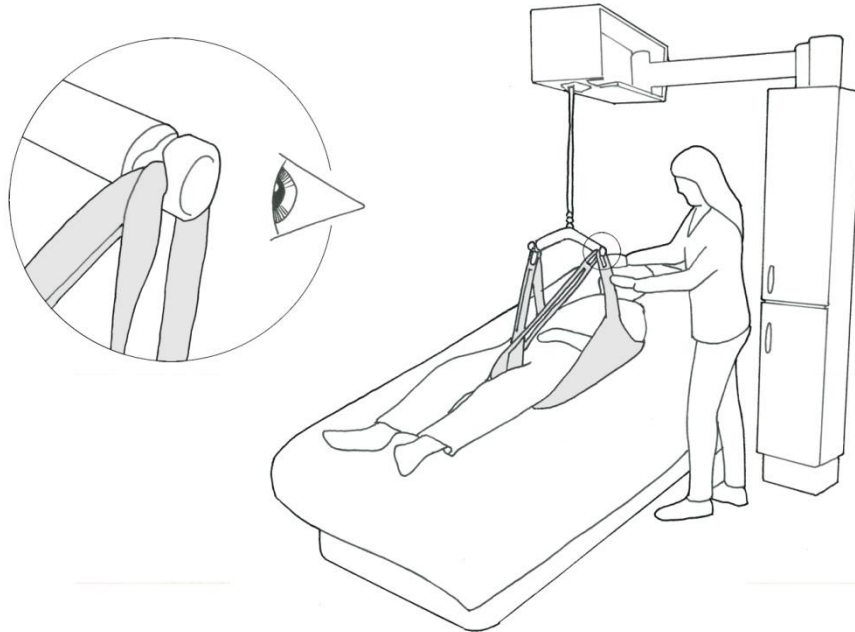


4.

Hook the sling loops to the Lifting bar.

NOTE: the Lifting bar must be oriented as shown.

Make sure the sling loops are properly fastened; pull the loops and check visually.



5.

Raise the client partially from the bed.

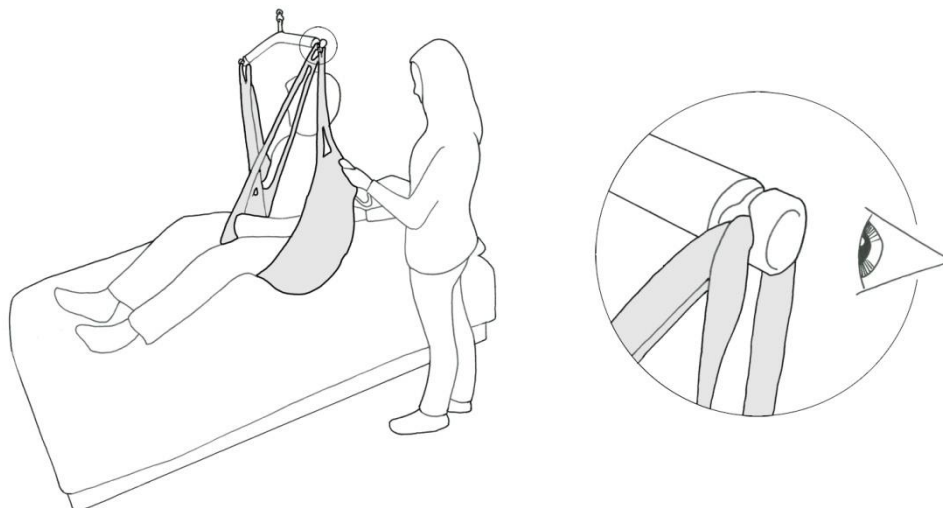


Ensure the sling loops are properly fastened when the lift strap is tightened, but before the client is off the bed.

Raise the client to the correct height for the transfer.



Warning: If the lifter should stop and start beeping, the lifter may be overburdened. Make sure that the sling does not get stuck. If the client weighs more than the safe working load about the lift immediately!

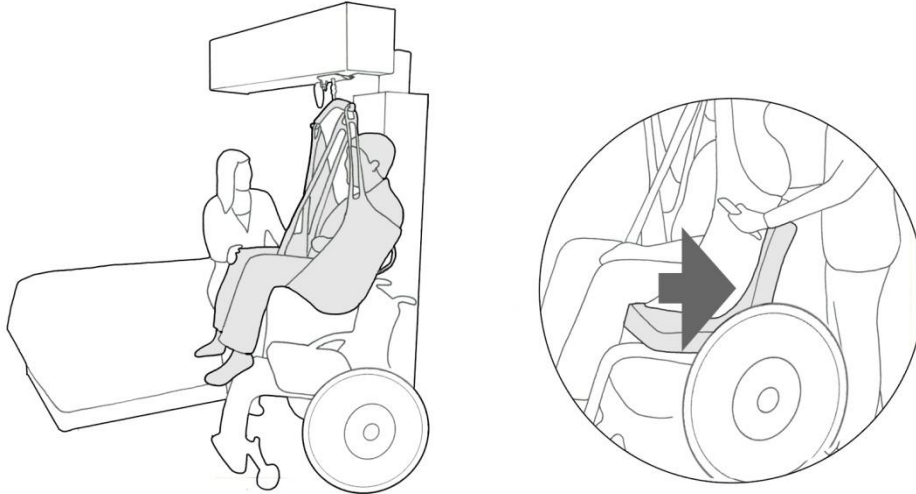


6.

Position the client over the chair, wheelchair, chair etc

If the chair has brakes ensure they are on.

Lower the client and ensure the client is well positioned in the chair.



7.

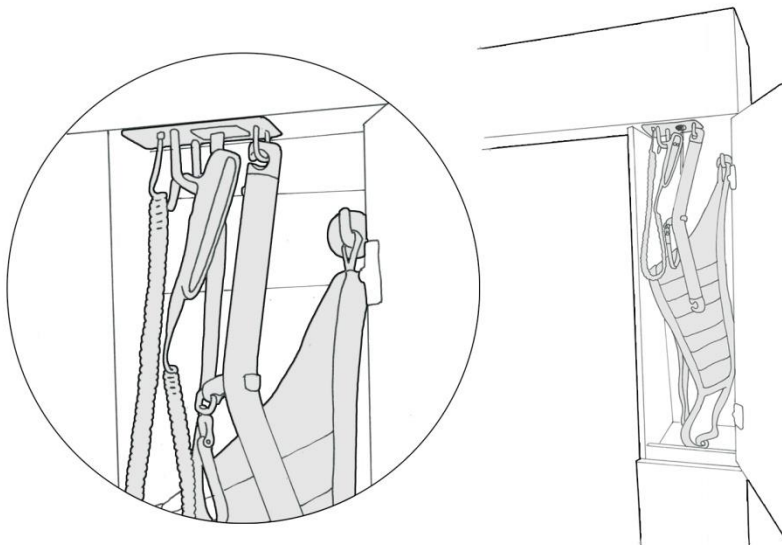
Release the sling from the Lifting bar and then from under the client.

Open the vertical cabinet and hang the sling on the designated hook.

Place the remote control on the handle closest to the red string and the Lifting bar on the other handle. Swing the lifter back in the cabinet.



HINT: Do not raise the Lifting bar after use. It will then be at the correct height for the next lift.



9. Maintenance

Cleaning

Clean the outer surfaces occasionally with a cloth and warm water, soapy water or disinfectant. Don't use any detergents with phenol or chlorine.

Monthly maintenance

- Check that the client manual is at hand in the cabinet
- Check the lifter and make sure there is no damage
- Check the lift strap for wear
- Check the Lifting bar for damage
- Run the lift up and down to see that it operates normally and without any unusual noise
- Check that all brackets are intact and that the wall, ceiling and floor where the lift is mounted are undamaged
- Check that the lifter can be moved to its perimeters
- Ensure that the remote control works
- Ensure the electrical emergency lowering is working
- Check emergency stop by pulling it out and try to run the lifter up and down
- Check that the battery charger with outlet are intact
- Check that the lift is marked with a maximum client weight

Contact your service partner if anything does not work properly.

Annual Service

The lifter must be serviced by authorised personnel at least once a year according to the service manual. Any repairs must be done by authorised personnel using original spare parts. The owner of the product is responsible to ensure that the annual inspection is carried out. Contact your supplier or service partner for a service agreement.

Warranty

Integralift™ has 2 year warranty. Warranty information is obtained from the supplier.

Shipping, Transport and storage

During shipping, transport and storage we recommend to use the original packaging. Store Integralift™ above 10°C and at a relative humidity of 30% to 93%.

Recycling

All parts made of steel are recycled as steel or as mixed metals. Screws and connections are recycled as mixed metals. National regulations must be followed.

10. Technical Data

Warranty	2 years
Lifecycle	10 years with service agreement (10.000 lifting cycles)
Maximum load	230 kg
Battery	24 V DC, 4.5 Ah, sealed lead battery, 40 lifting cycles
Battery charger	100-240 VAC, 50-60 Hz, max 1.300 mA
Lifting speed	50-70 mm/sec.
Lifting interval strap	1.8 m (vertically adjustable)
Diameter of action	3 m
Radius of action	1.5 m
Soft start and soft stop	Yes
Emergency stop	Electrical
Emergency lowering	Electrical and mechanical
Operating forces hand Control	4.5 N
Sound level	69 dB
Weight	95 kg Int. op
Protection class	IP 20
Intermittent operation	Int. op 20/80, active operation max 1 min at SWL

Integralift is quality certified in accordance with:

- ISO 10535:2006(E)
- IEC 60601-1 Ed. 3.0 b:2005
- IEC 60601-1-2 Ed. 3.0 b:2007



Product for indoor use only



Type B, in accordance with the electrical shock protection class

Class I equipment in accordance with MDD 93/42/EEC

- Temperature: -10 grd C og+40grd C
- Relative humidity From 10% to 93%
- Lightning level /ambient luminance minimum 300 lux

11. Simple Troubleshooting

Symptom	Possible action
The lift strap is clearly worn	Get the lift strap replaced immediately by contacting your service partner, see the last page for phone number
The lifter does not work	<ol style="list-style-type: none"> 1. Check that the remote control is correctly connected 2. Check that the emergency stop is correctly connected 3. Pull the emergency stop out and plug it in again to reset the lifter 4. Check that the battery charger is connected to an electric socket 5. Try electrical emergency lowering 6. Make sure that the switch for the mechanical emergency lowering is switched to green, (see emergency lowering procedure) 7. If the lifter still doesn't work, contact your service partner See last page
The lifter runs up, but not down	<ol style="list-style-type: none"> 1. Pull the lifting bar down while lowering (some tension on the strap is needed for lowering) 2. Check that the remote control is correctly connected 3. Use the electrical emergency lowering to lower the Client 4. Contact your service partner, see last page
Beeps continuously	<p>Voltage on batteries too low.</p> <ol style="list-style-type: none"> 1. Check that charger is plugged in 2. Observe that charger changes color when lifting and lowering with load 3. Contact your service partner, see last page
The lifter beeps when raising the Client	<ol style="list-style-type: none"> 1. Control that max client-weight is not exceeded 2. Pull the emergency stop out and plug it in again to reset the lifter 3. Make sure that the sling is not stuck
The lifter makes unusual sounds	<ol style="list-style-type: none"> 1. Contact your service partner. See last page
EMC interference	<ol style="list-style-type: none"> 1. If experiencing interference with other products consult the dealer or an experienced radio/TV technician for help

Dealer:



Yesterday's challenge,
Today's solution

For general enquiries please contact us at:

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