

# User Manual

## Belt Bathtub Lift



## **Introduction**

Dear customer,

Thank you for buying our BAWATULI-Belt bathtub lift. For full use of the bathtub lift and for your own safety, please read these operating instructions carefully beforehand.

The user manual has been created for users as well as for nursing staff in order to ensure a safe and secure use of the bathtub lift. Please follow the instructions of this manual and make sure that it is accessible for all users at all time.

If you require further information, please contact us or visit our website [www.bawatuli.com](http://www.bawatuli.com) .

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## **General Security Advice**

To ensure your safety please keep the following instructions in mind:

1. Regarding the installing of the Bathtub Lift, it is recommended to place it at the opposite end of the taps.
2. The battery of the Bathtub Lift must be charged for 24 hours before the first use in order to obtain an optimum battery life.
3. It is recommended to use the supplied battery charger only on a hard, dry and flat surface at a normal room temperature and not to cover it.
4. Keep the environment dry while charging the battery.
5. The original battery charger should be used only. Failure to do so will cause damage or injury and will invalidate the warranty.
6. The Belt Bathtub Lift is designed as a bathing aid only. Never use it for any other purpose, such as a stand or lifting device.
7. The Bathtub Lift can be used by only one person at a time.
8. If you are unable to take a bath on your own, please use the Bathtub Lift under supervision only.
9. Never allow children to operate or play with the Bathtub Lift.
10. Keep animals away from the Bathtub Lift.
11. Do not use any abrasive cleaning agents – this may cause permanent damages.
12. The use of excessive amounts of bathing oils or salts will require the belt to be cleaned more frequently.
13. Do not store the Bathtub Lift near a heat source.
14. Always sit in the middle of the bath lift belt.
15. If the Bathtub Lift has been stored in an environment with low temperature for long time, please allow it to reach room temperature before operating.
16. Original accessories provided should be used only. Failure to do so may cause damages or injuries and will invalidate the warranty.
17. Be aware that this device may interfere with your surroundings and other devices like TV and radio.
18. Take care while operating with the hand control. Do not use it if there are any obvious damages.
19. Keep the hand control dry and never store it near a heat source.
20. Clean the hand control with a dry cloth only.
21. In case of any damage or malfunction please contact your dealer. Only authorized persons may repair the Bathtub Lift.
22. Before using the Bathtub Lift the first time, please familiarize yourself with its operations by driving the lift up and down and test the button functions. This will also ensure that the device is operating correctly.
23. Do not operate the Bathtub Lift if a fault has occurred – contact your dealer.
24. Never place your hand close to the belt feeding port whilst operating in order to prevent injuries.
25. The Bathtub Lift should only be operated by persons that can control the system safely; i. e. people with severe mental or physical disabilities should consult a healthcare professional before using the device.
26. A maintenance check is recommended every 12 months.

Regarding the operation with technical devices there still might be dangers, although you followed all instructions. These dangers will be emphasized in the respective chapters in the following manual.

## Manufacturing Standards

The Bathtub Lift is certified to meet EU consumer safety, health and environmental requirements.



## Warning Notices



Radio frequency emissions from the device may interfere with other electronic devices in the surrounding area. Please pay special attention if the user is wearing a vital medical device such as a pacemaker.



The maximum user weight for the Bathtub Lift is 140 kg (or 308 lbs). An overloading may cause damages and injuries.



For your safety, the battery needs to be replaced every five years or if a significant loss of power occurs.

## Disposal

After expiry of the service life, the equipment should be disposed correctly. The Bathtub Lift does not contain dangerous materials. However, electrical products should not be disposed via household rubbish. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

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### Product Specification

Maximum user weight	140 kg / 308 lbs
Size of belt housing case	560x300x110 mm / 22x 1.8x 4.3 in (LxWxH)
Weight of belt housing case	8 kg / 17.6 lbs
Stainless grab bar	38 cm / 17.6 in
Length of anchor rail	44.8 cm / 17.6 in
Weight of anchor rail	0.39 kg / 0.86 lbs
Belt size	2 x 0.36 m / 78.74x14.17 in (LxW)
Size of cushion	40 x 50 cm / 15.7x19.7 in
Lift range	43 cm / 17"
Battery	14,4 V DC x 1,3 AH Li-ion
Battery charge duration	8-10 hours
Battery current in operation	4-5.2 Amps
Battery bar weight	1 kg / 2.2 lbs
Battery power indicator	100%-20% with 20% decremental interval
Temperature indicator	34°C-42°C with 2°C interval

## Scope of Delivery

- 1x Belt housing case
- 1x Battery
- 1x Hand control
- 1x Battery charger
- 1x Stainless steel fixing plate
- 13x Stainless steel fixing screws
- 1x Cushion
- 1x Temperature sensor
- 1x User manual

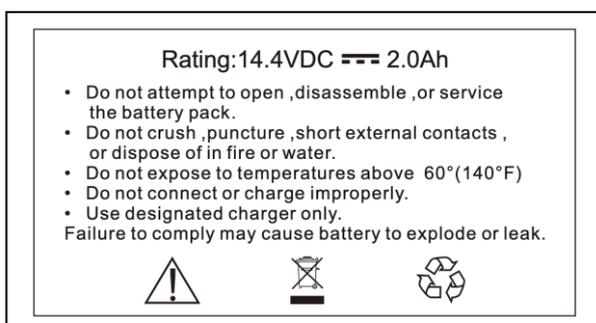
## Labels

### Unit Label



The label contains model and serial numbers as well as pictographs which will be described in the following.

### Battery Label



The label contains warning notices regarding the use of the battery which will be described on page 14-15 again.

### Explanation of the Pictographs



Caution: 14,4 VDC



Read instructions carefully



Manufacturer



Dispose correctly according to local laws and regulations



CE-mark



Storage temperature range



Recyclable



European authorization

## Product Illustration



1. Belt housing case
2. Battery chamber
3. 'Up' and 'Down' control buttons
4. Lift belt restrictor
5. Lift belt
6. Anchor rail
7. Temperature sensor
8. Hand control
9. Stainless grab bar

## Environmental Conditions for Usage, Storage and Transportation

### Usage:

Ambient temperature range of 10 to 40°C (50°F to 104°F)

Relative humidity range of 30 to 75%

Atmospheric pressure range of 700 to 1060 hPa

### Storage and transportation

Ambient temperature range of -35 to 50°C (-31°F to 122°F)

Relative humidity range of 10 to 100%

Atmospheric pressure range of 300 to 1060 hPa

## Installation Guide

Please follow the installation guide thoroughly to ensure that the Bathtub Lift will be installed safely.

### Suitability Inspection of the Bathroom

Ensure that the wall behind the bathtub is of solid construction and will support the belt housing case and the user's weight. Check if there are no pipes or cables where the expansion screws will be fitted. Use a 'stud-finder' or 'metal detector' tool to make sure. These tools could be obtained from a local hardware store, an example is shown in the picture below.

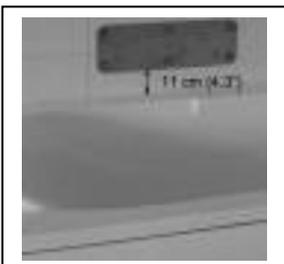


Inspect the floor besides the bathtub as well and make sure that it is suitable to install the floor-mounted anchor rail using the provided expansion screws. Please also check if there are no pipes or cables where the screws will be fixed using one of the a. m. tools. Make sure that the anchor rail will not be obstructed by a sink, toilet or door when it is aligned with the belt housing case.

### Installing the Belt Housing Case



Place the fixing plate against the wall, approximately 11 cm (4.3") raised from the bathtub edge, with one end of the fixing plate near the beginning of the bathtub curve, as it is shown left. Mark six holes through the fixing plate and please make sure that the fixing plate is kept horizontal.



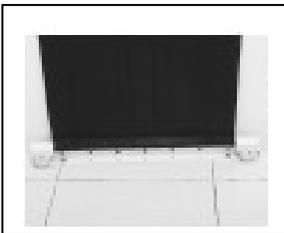
Now drill six holes deep enough (6 cm / 2.4") to suit the supplied expansion screws using an Ø10 mm drill bit. Remove debris from the holes and insert an expansion screw into each hole. Pre-tighten the expansion screw and then take out the screw rod. Install the fixing plate on the wall by penetrating the screw rod through the fixing holes and screw firmly into place. Hang the belt housing case on the fixing plate. Be sure that all six round shaped prominences on the plate go through the hanger holes on the back of the belt housing case.



Apply some anti rust agent such as Vaseline onto the screws and the surrounding area to minimize future corrosion. If your wall is old brick, breeze-block or aircrete, it may be necessary to use special fixings, like resin based systems or metal expanding fittings. Please consult a local hardware store for advice and supply.

### Adjustment of the Anchor Rail

Align the anchor rail that it is parallel with the already installed belt housing case. Move your anchor rail 2.5-5 cm (1-2") from the vertical wall of the bathtub.



### Installing the anchor rail to a concrete floor

Ensure that there are no pipes or cables where the screws will be fitted and mark spots through the holes of the anchor rail. Then drill holes deep enough (6 cm / 2.4") to suit the expansion screws using a Ø10 mm drill bit. Remove the debris from the drill holes and insert the expansion screws.



Pre-tighten the expansion screw and take out the screw rod. Install the anchor rail on the floor by penetrating the screw rod through the fixing holes and screw them firmly into place.



Warning: Drilling holes in the floor with pipes or cables may cause leakage and short circuit.

### Belt Attachment and Testing

Coil out the belt from the belt housing case and attach the belt onto the anchor rail securely like it is shown in the picture below.



Turn the two nylon wheels up to open the spacing in the anchor rail. Slide the belt fixing rod so the belt will pull against the anchor rail later. Afterwards, turn the two nylon wheels back down to secure the position of the rod. Please make sure that the rod always stays in the anchor rail chamber during operation.

### Checking the Belt Tension under Power



Raise the belt by pressing down the 'Up' button on the hand control  or on either side of the belt housing case . Please apply pressure on the belt with your hand until you feel the belt taut, when raising the belt.

### Checking the Belt Tension with Bath Lift User



Finally, the Bathtub Lift should be checked by a person who is preferably of a higher weight than the end user. Lower the belt to the bottom of the bathtub as it is described on page 12-14. After a short pause checking if this is a comfortable position for the user, please raise the belt again until it stops automatically.

The belt should stop at a closely horizontal position. The tension should be big enough to support the user but without being overtaut.

Note: When the belt reaches the maximum tension, the magnetism switch will be activated in order to prevent that the belt will be overtaut.

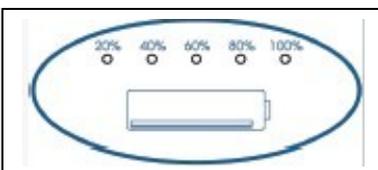
### Start-up



The hand control is not waterproofed and should not be used or stored under water, although it is splash water resistant. Pressing the  button raises the belt, while pressing the  button lowers it.



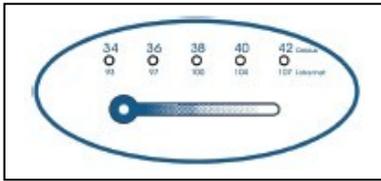
The  button and the  button on both sides of the control panel located on the belt housing case have the same function as the buttons on the hand control.



The battery power indicator shows the status of the battery. When the battery is fully charged or at least 80% power is remained the indicator shows a green light on the right. 60% and 40% battery power will be indicated by a yellow light. 20% battery power will be indicated by a red light. If there are only 20% left, please stop using the device immediately until the battery has been recharged.

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The temperature indicator shows the water temperature. If the temperature is lower than 34°C (93°F) no light will be lit. The relative indicator light will be lit in green colour if the temperature reaches 34°C (93°F), 36°C (97°F) and 38°C (100°F). When reaching a temperature of 40°C (104°F) there will be lit a yellow light. If the temperature reaches 42°C (107°F) or more there will be a red light.

Please make sure that the temperature sensor is merged in the water to ensure that the temperature will be indicated correctly.



The battery chamber is located at the left upper corner of the belt housing case. Please make sure that the battery is dry and the 'This side up' sign is in a position like shown in the left picture, before you place the battery into the chamber.

Then push the battery bar thoroughly into the chamber until the top of the bar aligns with the belt housing case's left wall.

The battery must be charged outside of the bathroom using the charger supplied. Please charge the battery weekly or if the red light illuminates and leave overnight for a full charge.



The anchor rail must be fixed securely to the bathroom floor directly opposite the wall-mounted belt housing case.

The belt fixing rod can be removed from the anchor rail after turning up the two wheels. Then the belt can be reeled back fully into the belt housing case allowing others to use the bath normally.



The stainless-steel grab bar installed on top of the belt housing case is designed to assist the user getting in and out of the bathtub safer and easier.

## Usage of the Bathtub Lift



Important note: To avoid falling backwards, please make sure that you sit firmly on the outer edge of your bathtub and do not lean backwards during motion. Please follow the following recommended procedures to allow a safe and comfortable access.

Secure the hand control on the inside edge of the bathtub, leaving the outside edge clear for swinging your legs over.



1. Check the battery and make sure it is properly placed into the chamber. Press the down button on the hand control to pull the belt out of the housing case.



2. Place and lock the belt fixing rod into the anchor rail. Then place the cushion onto the belt and secure the position by using the velcro straps.



3. Hold on to the edge of the bathtub with one hand and the grab bar with the other hand and swing your legs into the bathtub.



4. Hold on to the edge of the bathtub again and the far edge of the cushion to slide yourself to the cushion centrally. Reach out for the hand control and press the 'Down' button lowering yourself into the bathtub. By leaning your upper body slightly towards the outer side of the bathtub, you should be kept centrally on the lowering belt.



If you are not using the cushion please hold on to the belt housing case instead and slide yourself onto the belt. Please stay as close as possible to the outer bathtub edge.

Instead of using the hand control you could also use the buttons on the belt housing case. The belt will stop moving as soon as you release the button.

It is advisable to keep holding on to the bathtub edge during the motion to stabilize your position.



5. Continue lowering until you reached the bottom of the bathtub, you are in a comfortable position and the tension from your body is released.



6. Store the hand control on the edge of the bathtub. Gently lay back and enjoy your bath.



7. After you finished your bath, please make sure that you sit centrally on the cushion. Hold on the bathtub edge or the grab bar and bring yourself in an upright position. Press either the 'Up' button on the hand control or on the housing case. By leaning your upper body slightly towards the housing case, you should be kept in the middle of the belt. Continue raising until the motor stops automatically.



There is a protection to prevent an overtaut. If the belt reaches its maximum tension the motion will be stopped automatically.



8. Take the battery out of the chamber and pull the temperature sensor off the belt housing case. Please store them properly until the next usage.



The battery power indicator will be turned off automatically after 25 minutes without any operation in order to save energy. Please press any of the buttons to reactivate the indicator.

## Product Care

### Battery Care

The Belt Bathtub Lift has a rechargeable battery, which has to be inserted into the chamber located at the left upper corner of the belt housing case. The battery has a grip which assists to insert in and remove from the battery chamber.



The battery must be removed from the housing case to be charged overnight. Please use the provided charger only. Keep the battery dry at any time.



When the battery power indicator shows 20% remaining power and the red light is shown, it is safe to use the Bathtub Lift once more. Not later than after one more lift the battery should be charged immediately. However, it is recommended to charge the battery as soon as the red light illuminates.



Do not attempt to open and disassemble the battery pack. Do not crush and puncture the external contacts and keep the battery away from fire and water. Do not expose the battery to a temperature above 60°C (140°F). Do not charge or connect improperly and please use the designated charger only.



Failure to follow the above-mentioned instructions may cause leakages and explosions.

### Charging the Battery



Connect the supplied charger with the battery and plug the battery charger into a wall outlet or patch-board.

The indication light on the charger will remain red during the charging process. The light will turn green as soon as the charging is completed.



It is recommended to charge the battery every three months regardless of the remaining power in order to prolong the battery life.

Always keep moisture away from the battery, charger and chamber connections.

It is highly recommended to charge the battery out of the bathroom.

If the battery gets wet, please dry thoroughly before using or recharging.

### Cleaning the Belt

In order to prolong the life of the belt, it should not be contacted by sharp objects like keys.

To clean the belt lift, please follow this procedure:

1. Lower the belt into the empty bathtub, putting hand pressure on the empty belt to maintain tension all the time.

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2. Please use a damp cloth and anti-bacterial cleaner, wipe down the surface of the belt.
3. Allow to dry naturally while the belt is lowered. Please note that the belt is made from water repellent material and is drip-dry.
4. Raise the belt fully, again, putting hand pressure on the belt to maintain pressure all the time.

### **Cleaning the Cushion**

The cushion should be washed at a temperature around 40°C (104°F). After the cleaning and drying, the cushion can be simply re-attached using the Velcro-straps.

### **Cleaning the Belt Housing Case and the Anchor Rail**

The belt housing case and the anchor rail can be cleaned by using a damp cloth and anti-bacterial cleaner. Please dry thoroughly afterwards. Please note that the belt needs to be cleaned and dried before coiling back into the housing, if the Lift will be kept unused over a considerable period of time.

## CE – Declaration of Conformity



Melchers Techimport GmbH herewith declares that the following product  
Belt Bathtub Lift TF2202  
is conform to the following regulations and EU-Directives  
**Directive: 2007/47/EC 93/42/EEC**  
**EN ISO 10505:2006**

The complete version of the CE-Conformity sheet is available under the following URL-link:  
<https://www.melchers-components.de/document/share/3/cb8a586d-1bad-4720-8273-9a057337e412>

