



*Access Your World*

# **Marina Shower Trolley User Guide**

**(Models 6100 2320, 6100 2370)**

## **Important safety information**

### **Do not leave occupant unattended.**

- Please read this manual thoroughly. We take no responsibility for any unspecified uses.
- The information in this manual pertains to correctly installed equipment.
- Do not use the shower trolley if it is out-of-order or damaged.
- Apply the brake before transferring clients.
- Notify the client before moving the Marina.
- Be aware of obstacles when moving upwards and downwards.
- Only relocate and move the Marina in the lower position.
- Do not adjust the shower trolley upwards or downwards while it is in motion.
- Try to back over obstacles, such as thresholds, when possible.
- Maximum occupant weight is 395 lbs.
- Do not use the Marina to transport loads other than people.
- Only use original parts, supplied by Lopital or MAX-Ability.
- Use the Marina in a clean and tidy environment.
- The Marina may only be operated by an authorized person.
- Swimming pool locations are not considered to be 'normal conditions' and will substantially shorten the lifespan of certain components.
- Do not attempt to raise the Marina by its bed surface.
- Do not exceed water temperature of 120°F.
- Portable and mobile RF communication equipment can affect medical devices.

### *For electric adjustable Marina:*

- Verify voltage compatibility before initial operation. Check that it has been disconnected from the charger before using.
- The use of components (chargers, cables, actuators, batteries, etc.) that have not been supplied by Lopital may result in increased emissions or decreased immunity of the Marina.

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Charger  
(Electrical  
Marina).

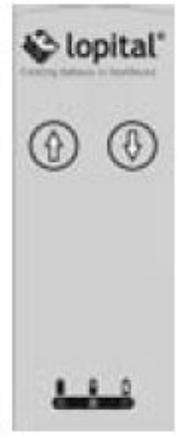


Figure 1 Activating.



Foot pedal



## Using the shower trolley

- Before first use, ensure that all components are present and undamaged, per illustration below.
- *Electric-adjusting*: Activate by pressing any button on the hand control for 2 seconds. Detach from charger before using.
- Apply the brake when transferring users.
- Transfer from bed
- Place the Marina alongside the bed with the head-end aligned with the head-side of the client.
- Lower the side-bars of the Marina (See paragraph 3.2. Side-bars).
- Raise the bed base on the Marina to just above the bed mattress and collapse the side-bars downwards.
- Slide the Marina between the head and foot-end so that it protrudes as far as possible over the bed.
- Block the wheels on the Marina (See paragraph 3.1. Wheel blocking).
- Slide the client from the bed to the Marina.
- Raise the horizontal surface of the Marina a few inches and close the side-bars.
- Take the brake off the Marina. (See paragraph 3.1. Wheel blocking).

The side of the mattress can be turned out, which protects the user from the rail on the side-bar. Make sure that the shower stretcher mattress does not get jammed between the horizontal surface of the Marina and the bed.

## Operation

### Wheel blocking

- Apply the brake by pushing the blue lip (1) on the wheel downwards (See figure 2).
- Release the brake by tapping the upper side of the lip (2) to move it upwards. (See figure 2).

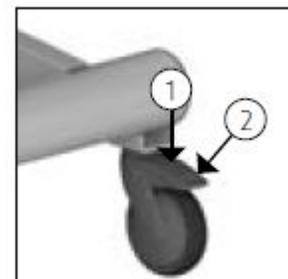


Figure 2 Wheel blocking.

### **Semi-central braking and moving forwards**

- The semi-central operating pedal for the brakes is the pedal at the head-end and foot-end on both sides of the stretcher (See figure 3).
- Apply the brake on the Marina by moving the inside of the pedal at the head and foot end downwards, using your foot (1). Release the brakes by moving the pedal up to a horizontal position with your foot.
- Disengage the swivel wheel by moving the outside of the pedal at the head and foot end downwards with your foot (2).
- The swivel wheel is engaged by moving the pedal back into the horizontal position with your foot.



Figure 3 Semi-central braking and moving forward.

### **Side-bars**

- The Marina is equipped with aluminium side-bars that collapse against the edge of the bed-base to carry out sliding transfers.
- The side-bar is equipped with safeguards so that the client cannot raise the side-bars themselves (See figure 4).
- Before the side-bar is collapsed downwards, the safeguard must be unlocked at the head-end.
- Unlock the safeguard by using one hand to pull the protruding lip inwards and raising the side-bar with your other hand (1) (See figure 4).
- Turn the unlocked side-bar outwards so that the side of the mattress can lie in a horizontal position.
- Collapsed side-bars enable the caregiver to lean on the center of the mattress and more easily care for the client.
- Move the side-bar upwards in order to lock it in place again. The side-bar locks automatically.
- When closing the side-bar, the collapsed mattress flap will be lifted back into a vertical position.
- Make sure that the corner flaps fall inwards so that they do not become jammed in the side-bar locks.

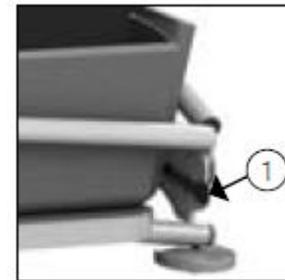


Figure 4 Locking side-bar.

## **Height Adjustment**

*Electrically adjustable versions*

### **Moving upwards**

**Before moving the stretcher upwards, check to ensure there are no persons or objects in the vicinity of the stretcher.**

- If the client is lying on the shower stretcher, first put the brake on the wheels and then move the stretcher upwards.
- Move the stretcher upwards by pressing the button that shows an 'up' arrow. The stretcher will then immediately move upwards.
- You can stop the movement whenever you like by taking your finger off the button.
- During the upward movement, maintain contact with the client.
- If the remote control is not being used, it can be hung on the side-bar or on the push-bar.
- Ensure that the curly cable on the operating device does not get jammed.

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## Moving downwards

- Move the stretcher downwards by pressing the button that shows a 'down' arrow. The stretcher will immediately move downwards.
- You can stop the movement whenever you like by taking your finger off the button.
- During the downward movement, maintain contact with the client.

### *Hydraulically adjustable versions*

#### Moving upwards

- If the client is lying on the shower stretcher, first put the brake on the wheels and then move the stretcher upwards.
- The stretcher is moved upwards by depressing the long part of the foot pedal slowly and evenly (See figure 7).
- During use of the pedal, the carer will stand by the long edge of the Marina so that the carer cannot twist their upper body away from their feet.
- During the upward movement, maintain contact with the client.

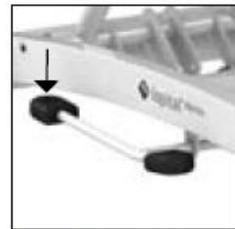


Figure 7 Moving upwards.

#### Moving downwards

- The stretcher is lowered by depressing the short part of the foot pedal (See figure 8).
- The stretcher lowers under the influence of gravity. The lowering speed can be steadied by keeping the pedal gently depressed.
- During the downward movement, maintain contact with the client.

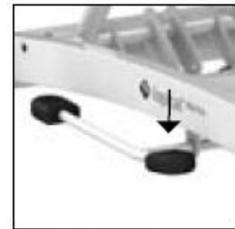


Figure 8 Moving downwards.

#### Tilting

- In order to remove water from the mattress during or after showering, the bed base on the Marina can be tilted.
- Turn the lever on the upper frame, under the head end, outwards in order to position the bed base in the drainage position.
- This control can be found on both sides of the stretcher.
- Turn the lever inwards before restoring the bed base to its horizontal position.

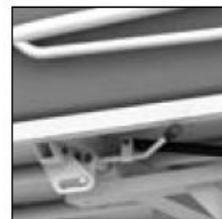


Figure 9 Tilting.

#### Water drainage

- Water drains from the Marina via a drainage hose.
- Take the hose off the hook and direct it to a drainage point that is as low as possible.
- Hang the hose on the hook during transport to avoid leaks and drips.

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### Charging batteries

*(only for electrically adjustable versions)*

- The charging point is located in the center of the undercarriage (See figure 10).
- If the batteries are almost completely empty of charge, the orange light on the manual control will come on; this means that the batteries need to be charged.
- If the LED is on continuous red, the batteries must be charged immediately. The stretcher can then no longer be used.
- Connect the charger to the Marina (See figure 10).
- Once the charger is connected to the Marina, the controls will go into 'sleep' setting (all functions are switched off).

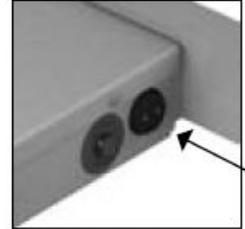


Figure 10 Charging point.

**Make sure that you push the plug into the correct position in the charging point.**

**Use only the original charger. Lopital and MAX-Ability cannot be held liable for any consequences, such as damage to the electronics if you use another charger.**

**Once the charger is connected to the Marina, the controls will go into 'sleep' setting (all functions are switched off).**

- When the indicator light on the charger goes green, the batteries are charged. The charger can remain connected even when the batteries are completely charged. Leaving it connected will not cause any damage.
- Disconnect the Marina from the charger.
- Once activated, the Marina is now ready for use (See paragraph above re: Activating).

**LEDs not on:** Chair is in 'sleep' setting and cannot be used.

**Green light is on:** Chair is ready for use.

**Orange light blinks:** emergency stop has been activated.

**Orange LED is on:** Batteries need charging or batteries are partially charged.

**Red light blinks:** Batteries must be charged (chair can still be used).

**Red LED on:** Batteries are completely empty and must be charged immediately.



Figure 11 Battery indication on handcontrol.

Charge batteries in a well-ventilated, dry space.

After using the stretcher, connect it to the charger to maintain the batteries.

Charge the stretcher at least once a week!

For instruction videos go to [www.lopital.com](http://www.lopital.com) or [www.youtube.com/user/LopitalNL](https://www.youtube.com/user/LopitalNL)



## Safety Functions

### Emergency stop

*(only for electrically adjustable versions)*

In the center of the undercarriage, there is an emergency stop. Operate this button in an emergency; if the upward or downward movement must be stopped immediately. Once the emergency stop has been pressed, the electronic controls

will stop working. Operation may be continued once the situation is stable again.

Turn the emergency stop a quarter turn to unlock it again (see figure 12).

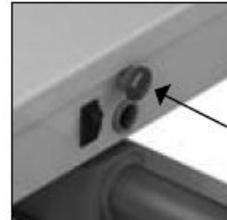


Figure 12  
Emergency stop.

**Check whether the danger has passed or the problem has been resolved before resetting the emergency stop.**

**The orange LED light on the hand control will flash when the emergency stop has been activated.**

### Sleep setting *(only for electrically adjustable versions)*

After around an hour, the stretcher will fall into a 'sleep' setting and the battery indication LEDs on the manual control will go out. In order to use the stretcher again, it must be activated (See paragraph above re: Activating).

### Emergency lowering

*(only for electrically adjustable versions)*

If the controls stop working and the stretcher is in a raised position, it can be lowered using the emergency lowering button (See figure 13).

Check first to make sure the stretcher is not in sleep setting!

- Remove the plug from the manual control (1).
- Press the emergency lowering button (2).

The stretcher will now return to the lowest position (make sure no persons or objects are under the stretcher).

Take the client from the stretcher and make sure the device is not used until it has been repaired.

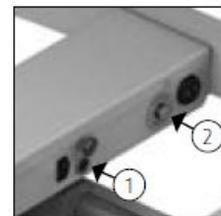


Figure 13  
Emergency lowering button.

If the changing table stops functioning, check the power, wiring, and plugs. If there is something wrong or suspicious, please contact a qualified electrician or MAX-Ability for further assistance.



## Cleaning and maintenance

Clean the Marina after every use with water and regular household cleaning agents. Remove excess soap residues. Do not use any abrasive or other aggressive cleaning products (e.g. chlorine bleach). Regular household cleaning agents with limited alcohol content (max. 5%) are most suitable for this purpose.

Lift and remove the mattress to clean bed base efficiently. Dry the plate on which the mattress lies before replacing it.

Check the wheels regularly for hairs and dust and remove when necessary.

*(Electric-adjusting models)* Fully activate the motor at least once every week by raising the product to its highest level and lowering it to its lowest level in order to lubricate the internal parts.

Inspect the changing table completely each year (with a licensed contractor if necessary):

- Check all moving parts for wear.
- Check all mountings on changing table, safety rail and securing brackets and tighten as required.
- Check all electrical connections.
- Test operation of all systems.
- Check mattress sections for any damage and clean as recommended.
- Report of any defects, damage, or missing parts.

Verify your purchase details before carrying out repairs so you don't void your warranty:

*We guarantee all product components against manufacturing defects for five years, and parts repair/labor for one year, from the invoice date. In most instances the affected parts are replaced, not repaired.*

*Parts damaged due to improper product assembly, installation, or procedure; lack of recommended maintenance including cleaning; or lost after delivery cannot be included in this warranty.*

For any questions or problems, please contact us at 1 800 577-1555 or [www.max-ability.com](http://www.max-ability.com).

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