Operating Instructions
Congratulations on your purchase of the Arjo Sarita.

Symbols used adjacent to the text in these instructions:

**Danger** Means:- electrical hazard warning, failure to understand and obey this warning may result in electrical shock.

**Warning** Means:- failure to understand and obey this warning may result in injury to you or to others.

**Caution** Means:- failure to follow these instructions may cause damage to all or parts of the system or equipment.

**Note** Means:- this is important information for the correct use of this system or equipment.

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**Parts referred to in these Instructions**

- Lifting actuator
- Chassis
- Adjustable chassis legs
- Braked castors
- Foot pedals (for adjusting chassis leg width)
- Manoeuvring handle
- Leg strap connection knob (Use with transfer sling only)
- Battery pack (rechargeable)
- Lift/lower control handset
- Kneepad
- Footrest
- Patient support arms (with grab handles)
- Sling
- Sling attachment clips
- Patient support strap, (if fitted)
- Buttock/leg support (Transfer sling only)
- Raise button
- Lower button
- Hanging hook
- Handset cable plug
- Emergency stop button, (red)
- Reset button, (green)
- Emergency lowering switch (covered with usage indicator seal)

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**Fig. 1**

Label - emergency lowering switch identification
Note: On delivery of your hoist, check that the usage indicator seal is fixed across the emergency lowering switch (see Fig. 1) is intact. If it is broken contact Arjo Ltd or their appointed distributor.

If the emergency lowering switch has to be operated, the usage indicator seal will be broken, this identifies that the switch has been used, the hoist must then be withdrawn from use immediately and the Arjo Service Department or their appointed distributor contacted.

This product has been designed and manufactured to provide you with many years of trouble free use, however, this product does contain components that with regular use are subject to wear.

SOME OF THESE PARTS ARE SAFETY CRITICAL TO THE OPERATION OF THE HOIST AND WILL NEED EXAMINING AND SERVICING ON A REGULAR BASIS AND MUST BE REPLACED WHEN NECESSARY. See also “Care of your Sarita” section.

The Sarita should not be loaded with a weight in excess of the maximum safe working load of 160kg (352lb), as stated on the rating label attached to the rear of battery compartment.

Before using your Sarita, familiarise yourself with the various parts as illustrated in figure 1, and thoroughly read and understand these Operating Instructions.

A clinical assessment should be carried out by a qualified nurse or therapist before lifting patients who are non weight bearing. This also applies to patients who have limited shoulder movement or cannot hold on with one or both hands.

Patients who have curvature of the spine, or who are subject to muscle spasms may not be suitable, and should be carefully assessed before proceeding with the lift.

The Sarita has been designed primarily as a short distance patient transfer aid, used to assist patients when standing and toileting. It is not intended for long periods of suspension or transportation.

This hoist can be used on gentle slopes with caution.

Although manufactured to a high standard, the Sarita should not be left for extended periods in humid or wet areas.

Do not under any circumstances spray the Sarita with water, e.g. under the shower.

During transportations and use, do not lift or apply undue force in an upward direction to the patient support arms.

All references to the patient in these Instructions refer to the person being lifted, and references to the attendant refer to the person who operates the hoist.

References to left and right of the hoist in these Instructions are as viewed from the rear of the Sarita.

Use only the Arjo slings that have been specifically designed for the Arjo Sarita.

Two types of sling can be used with the Sarita:-

- **Toileting sling** - a single loop sling.
  Used for supporting patients at the toilet, and to aid in the standing process. This is a one size sling, with variable adjustment using the different attachment clips.

- **Transfer sling** - a single loop sling with buttock and leg support.
  Used for easy and comfortable transporting of patients over short distances.
  The sling has variable adjustment using the different attachment clips and leg strap loops.

Some information contained in these instructions may become outdated, due to improvements made to this product in the future. If you have any questions regarding these instructions or your hoist, please contact Arjo or their approved distributor.

Arjo’s policy is one of continuous development, and therefore reserve the right to change specifications without notice.
**Preparation for Use**

Before commencing to lift the patient, ensure that all the actions and checks in this Preparation section are carried out.

Unpack the battery pack supplied and fully charge as described in "Battery Charging" section.

When the battery pack is fully charged, disconnect the mains power, then remove the pack from the charger and insert it fully into the Sarita battery box, located at the rear of the actuator cover. (See fig. 1).

- Electrical connection is made automatically.

Ensure the green reset button, (situated at the rear of the battery box), is pressed in. (See inset to fig. 1).

Ensure the handset cable plug is inserted fully into the socket, situated on the rear of the actuator cover. (See inset to fig. 1).

The Sarita must only be used in accordance with these Operating Instructions, any person using the Sarita must first read and understand these Operating Instructions.

Your Sarita is now ready for use.

**Using your Sarita**

**Before Approaching the Patient**

The attendant should always tell the patient what they are going to do and have the correct size sling ready.

Ensure the patient support arms are raised or lowered sufficiently to avoid approaching the patient at eye level.

If required, the chassis legs may be opened to go around the chair. The legs are opened by foot pressure on the right hand foot pedal. (See fig. 2).

There are five chassis leg positions between open and closed. Any one position may be selected simply by releasing foot pressure at the required position. Closing the legs is achieved by foot pressure on the left hand pedal.

- **Note:** The chassis rear castors have brakes which can be foot operated if required, (see fig. 3), for example when leaving the patient unattended, or to keep the Sarita in position.

Fig. 2

Fig. 3

continued...
Using the Sarita Slings

Select which sling will be required. (See the description of sling types in the Introduction section).

Transfer sling

Ensure the support strap, (if fitted), is separated, then with the patient in a sitting position, place the sling around the patient’s back, so that it lies approximately across the shoulder blades, with the patient’s arms outside the sling. Bring the support strap, (if fitted), around the patient’s waist until the strap is tight, but comfortable for the patient. (See fig. 4).

![Fig. 4]

Ensure the support strap, (if fitted), is securely fastened before lifting a patient.

![Fig. 5]

When you wish to remove the sling, first release the support strap, (if fitted).

![Fig. 6]

Do not attempt to release the support strap, (if fitted), while the patient is supported by the sling.

* Note: The strap, (if fitted), must not be twisted when around the patients’ body.

Bring the buttock / leg pieces of the sling carefully under the patient in readiness for connection, ensuring the pieces are not twisted. (See fig. 5).

Bring the Sarita carefully up to the patient, placing the patient’s feet on the footrest, and continue forward, if possible, until the kneepad is just in contact with the patient’s knees and upper shins. Put on the brakes. (See fig. 6).

Lower the support arms carefully using the handset control, until the sling attachment lugs on the support arms are close enough to connect up one of the sling attachment clips. (See fig. 7).

continued....
Next, select an appropriate clip on the opposite end of the sling and connect up.

- **Note:** The patient should be supported by the sling, but not pulled forward too much.

Connect the straps onto the leg connection knobs, (see fig. 8), by again selecting the appropriate strap loop. The leg pieces should be pulled tight, but still be comfortable for the patient.

Ensure the sling clips are pulled well down onto the attachment lugs and secure, and that the leg pieces are correctly attached, before attempting to lift the patient.

If possible, the patient should now hold onto the grab handles with one, or both hands. (See fig. 9).

**IMPORTANT:** Always check that all the sling attachment clips are fully in position before and during the commencement of the lifting cycle, and in tension as the patient's weight is gradually taken up.

Encourage the patient to assist as he/she can to rise from the chair, steady themselves, and to keep their head back. Operate the handset control to raise the support arms. This will elevate the patient.

- **Note:** If the handset button is released during lifting or lowering, powered motion will stop immediately.

Raise the patient up until they are supported in a sitting position - their feet being supported on the foot rest. (See fig. 10).

- **Note:** Be careful not to raise the patient too high, as this will negate the comfort of the transfer sling.

Release the brakes, and transport the patient to new position, i.e. wheelchair, bed, etc.
• **Note:** Transportation is possible with the chassis legs open or closed, but will be easier through doorways etc. with the chassis legs closed.

When the patient is in the new position and seated, and you wish to remove the sling, unloop the leg support straps, then unclip the shoulder support attachment clips. Finally unfasten the support strap, (if fitted), and remove the sling from around the patient.

• **Note:** If the patient lacks sitting balance, and has been returned to the bed on the Sarita, a second attendant may be needed to support the patient while the sling is being removed. (See fig. 11).

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**Toilet Sling**

Position the sling around the patient’s back so that it lies 50mm (2”) or so, horizontally above the patients’ waistline, with the patients’ arms outside the sling. Ensure the support strap is separated, brought loosely around the body, and is not twisted or trapped behind the patients’ back.

Fasten the support strap securely, the strap should be tight, but comfortable for the patient. (See fig. 12).

The support strap will assist in supporting the patient in the sling during the lifting procedure.

Bring the Sarita carefully up to the patient, placing the patient’s feet on the footrest, and continue forward until the kneepad is just in contact with the patient’s knees and upper shin. Put on the brakes. (See fig. 13).

Lower the support arms carefully, using the handset control, until the sling attachment lugs on the support arms are close enough to connect up to one of the sling attachment clips. (See fig. 14).

*continued .....*
Next, select an appropriate clip on the opposite end of the sling, and connect up.

- **Note: The patient should be supported but not pulled forward too much.**

![Warning sign](image)

Ensure the sling clips are pulled well down onto the attachment lugs and secure, before attempting to lift the patient.

If possible, the patient should now hold onto the grab handles with one or both hands. (See fig. 15).

![Image](image)

**Fig. 15**

**IMPORTANT:** Always check that all the sling attachment clips are in position before and during the commencement of the lifting cycle and in tension, as the patient’s weight is gradually taken up.

Encourage the patient to assist all he/she can to achieve a standing position, and to keep their head back.

Operate the handset control to raise the support arms. This will elevate the patient into a near standing position, their feet being supported by the foot rest. (See fig. 16).

- **Note:** If the handset button is released during lifting or lowering, powered motion will stop immediately.

![Image](image)

**Fig. 16**

If the patient can stand sufficiently well to lock his/her knees in the normal way, their knees will come away from the reaction pad, and he/she can just lean back into the sling. (See fig. 17).

![Image](image)

**Fig. 17**

If the patient is “slumped”, he/she can still lean back into the sling, and be kept in the raised position by the knees being in contact with the kneepad. (See fig. 18).

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*continued*...
Patients who have suffered a “stroke” who can only hold with one hand, or patients who cannot hold on at all, may still be lifted by the Sarita, but it will be necessary for the attendant, (or a second attendant), to hold the patient’s arm / arms down in front of the body during the lift. (See fig. 19).

Only use this method after a satisfactory professional assessment has been carried out on the individual patient.

- Note: Patients wearing nylon nightdresses / dressing gowns are prone to be “slippery” - the sling may ride up the back causing slight pressure under the arms. It may be necessary to hold the sling in position when lifting or lowering.

Release the brakes, and transfer the patient to new position, i.e. toilet, wheelchair, chair, bed, etc.

- Note: Transportation is possible with the chassis legs open or closed, but it will be easier through doorways etc. with the chassis legs closed.

While the patient is raised, make any necessary adjustments to clothing, incontinence pads etc. before lowering again. Lower the patient carefully using the handset control.

⚠️ Apply the chassis brakes if leaving the patient at the toilet, or if leaving the patient unattended.

When the patient is in the new position and seated, and you wish to remove the sling, unclip the shoulder support attachment clips, then release the support strap.

Do not attempt to release the support strap while the patient is supported by the sling.

Remove the sling from the patient.

- Note: If the patient lacks sitting balance and has been returned to the bed on the Sarita, a second attendant may be needed to support the patient while the sling is being removed. (See fig. 20)

**Emergency Lowering**

In the unlikely event that the handset control fails to operate the hoist with the patient still supported by the sling, provision for lowering has been made using the emergency lowering switch, situated at the bottom rear of the battery box.
A green and white identification label is positioned near the switch for quick and easy recognition. (See fig. 21). If pressure is released from the switch during use, lowering will stop.

![Emergency stop button](image1.png)

Fig. 21

Once the emergency stop button has been operated, the green reset button will have to be re-engaged by pressing it in, before any powered movement can be utilised.

**General Information**

If the Sarita is being used for "standing practice", (accustoming the patient to the upright posture after long periods in bed), or for other reasons of instability, keep the sling sufficiently tight to give support, but without restricting movement.

The Sarita is designed for quick, easy transfers from one sitting position to another, and to elevate a patient for toileting, repositioning, changing of incontinence pads, wound dressings, standing practice, etc. It is not intended for long periods of suspension or transportation.

**Emergency Stop Button**

If in an emergency, you have to immediately stop any powered movement, (other than by releasing pressure on the handset control button), press the emergency stop button situated at the bottom rear of the battery box. (See fig. 22).
Battery Charging

The battery pack, (when fully charged), will enable the Sarita to achieve approximately 20 lifts, with an “average weight” patient.

! The pack incorporates an indicator light, situated and recessed into the top of the battery pack cover. This light will flash intermittently when the pack needs recharging, and, although a small number of lifts are possible when the light flashes, it is a signal that the pack needs to be charged as soon as possible.

If the indicator light remains on, this signals that the battery pack is discharged and not capable of a lifting cycle.

- **Note:** The “continuous” display of the indicator light will remain for approximately ten minutes. After this time it will automatically switch off. The condition of a fitted battery can only then be determined by pressing a function button on the handset.

To ensure the Sarita is always ready for use, it is recommended that a freshly charged battery is always available. This is achieved by having a second battery available, and keeping one on charge while the other is in use.

When the battery state indicator light flashes, complete your lift/lower cycle, then remove the pack by pulling upwards, and away from the Sarita. Place the battery pack on charge as follows:

Connect the battery charger to the battery to be recharged. (See fig. 23).

Connect the battery charger to the mains supply and switch on. The “Mains On” and “Charging” lights will illuminate.

The battery is fully charged when the green “Charge Complete” light illuminates.

The charger may be left connected and the mains switched on after the “Charge Complete” light illuminates. This will ensure that the battery is kept fully charged.

The charger is equipped with the facility to automatically diagnose faults during the charging procedure. Various combinations of indicator lights displayed will confirm the following:-

1. Green/Amber flashing lights indicate that the battery is faulty.

2. Green only flashing continuously at the start of charge indicates that the battery voltage has dropped to such a low level that, for safety reasons, it cannot be recharged. The charger will not operate.

3. Amber only flashing continuously indicates that the charge has been aborted. The charger will not operate.

If any of these conditions are indicated do not attempt to charge the battery and contact Arjo Ltd or their approved distributor.

Always disconnect the mains supply before disconnecting the battery.

Hold the pack firmly to ensure it does not drop and become damaged, or cause personal injury.

**Warnings**

- Only use the charger unit in a dry environment, do not use it in the bathroom.

- Do not expose the charger unit or battery to rain or spray and do not immerse in water.

- Do not obstruct ventilator slots of charger unit or overheating will result.

- No smoking or naked flames in battery vicinity.

- The battery charger is for use only with Arjo supplied batteries that are to be used with the Sarita.

- The battery charger is for use with sealed lead acid batteries only.

- Under no circumstances should the charger be used to attempt to recharge non-rechargeable batteries. 

continued...
Battery Charging - continued

To change the power cord, the charger must be sent to the manufacturer.

When the battery pack is charged, disconnect the mains power, remove the pack from the charger, and insert it fully into the battery box, located at the rear of the Sarita actuator cover. (See fig. 24). Electrical connection is made automatically.

![Image](image)

Ensure the green reset button situated at the rear of the battery box is pressed in. (See inset to fig. 1).

Ensure the handset cable plug is inserted fully into the socket situated on the rear of the actuator cover. (See fig. 25).

![Image](image)

The Sarita is now ready for use.

General Safety Practices for Batteries:

- Only use the charger unit supplied with the Sarita.
- Do not charge batteries in a sealed container.
- Do not place batteries near, or dispose of, in a fire.
- Do not short circuit a battery.
- Do not store batteries at temperatures in excess of 60°C (140°F).
- Do not crush, puncture, open, dismantle or otherwise mechanically interfere with batteries.
- Should the battery casing become cracked, and electrolyte come in contact with skin or clothing, wash immediately with water.
- If the electrolyte contacts the eyes, wash immediately with copious amounts of water, and seek medical attention.
- When disposing of batteries, contact the appropriate local authority for advice.

Storage of Batteries

When stored, a battery will slowly self discharge. Batteries that are not in use or recharge should be kept cool but not under 0°C (32°F). Recharge stored batteries every six months.
Care of your Sarita

How often the following actions are taken depends on how often the equipment is used.

Unless otherwise stated, it is a good idea to begin once a week and then rely on experience to decide how often it is necessary in the future.

The slings should be checked, and if necessary washed according to instructions on the sling, also refer to sling instruction sheet MAX.01520.INT.

With regard to laundering, slings should not be classified as linen, but as an accessory to a patient transfer hoist and therefore classified as a medical device. Slings should be cleaned and disinfected only in strict accordance with the manufacturers instructions.

Mechanical pressure should be avoided during the washing and drying procedure e.g. rolling or pressing, as these can damage parts vital to the safe and comfortable operation of the sling.

It is recommended that Arjo Patient hoists, equipment, accessories and slings are regularly cleaned. If the slings, hoists and equipment needs cleaning, or are suspected of being contaminated, follow the cleaning and/or disinfection procedures recommended below, before re-using the equipment. This is especially important when using the same equipment for another patient, to minimise the risk of cross infection.

For cleaning your hoist, equipment and accessories wipe down with a damp cloth using warm water to which a disinfectant/cleaner has been added eg: “ARJO CLEAN” -disinfectant/cleaner or equivalent.

Note: “ARJO CLEAN” disinfectant cleaner is available from Arjo Ltd. or their approved distributors.

Do not over wet areas of the product which could cause problems with electrical components or internal corrosion.

If a hot air dryer is used to dry the hoist, the temperature must not exceed 80°C (165°F).

Do not use petroleum based solvents or similar, since this may damage plastic parts.

For disinfection of contaminated hoists, equipment and accessories, use the preferred method of wiping the product completely with “hard surface disinfectant wipes”. These wipes are supplied impregnated with a 70% v/v solution of Isopropyl Alcohol.

Note: A rubbing action will be necessary when using the wipes to promote effective disinfection of the surfaces.

IMPORTANT: Cleaning and disinfection products must be used in accordance with the manufacturers instructions and suitable eye, hand and clothing protection must be worn at all times when handling disinfectants.

Note: 70% v/v Isopropyl Alcohol wipes have been proved to be effective against MRSA and several other micro-organisms under light soiling conditions.

Ensure that the battery pack is always in a good state of charge.

Check that the hoist can be propelled in a normal manner; making sure that the castors are quite free in their movement, as clogging by hair and fluff can occur, also check that the tread of the castor is not damaged.

Ensure that the castors are firmly secured to the chassis.

Carefully inspect all plastic parts, in particular where there is personal contact with the patient’s body, ensure that no cracks or sharp edges have developed which could injure the patient’s skin or become unhygienic.

It is essential that the slings, their straps and attachment clips are carefully inspected. If the slings or straps are frayed, or the clips damaged, the sling should be withdrawn from use immediately and replaced.

Check that all external fittings are secure and that all screws and nuts are tight.

Ensure that all safety labels are firmly attached and in good readable condition.

continued...
Periodic Testing:

For normal operation - raise and lower the jib using the handset control, to test for full and efficient movement.

Automatic stop

With the jib well above its lowest position and the hoist positioned over an empty bed, use the handset control to lower the jib onto the bed. As the jib lowering is restricted, the motor will stop, release the control handset lower button after a second or two. Raise the jib using the control handset. This check is for the correct function of the automatic stop.

Emergency stop

Test the emergency stop facility by operating the handset control to lift or lower the actuator, and whilst operating, press in the emergency stop button. (See fig. 26). Powered movement should stop immediately.

General hoist condition

A general visual inspection of external parts should be carried out, and all functions should be tested for correct operation, to ensure that no adverse damage has occurred.

If in any doubt about the correct functioning of the Sarita, withdraw it from use and contact Arjo Service department.

Servicing Advice

Spare parts, if required are available from Arjo or their approved distributors.

Special tools are required for certain component replacement.

⚠️ The simplest; safest and most effective way to maintain your product in good working order, is to have it methodically and professionally serviced by an Arjo approved engineer using Arjo approved spare parts. (At least annually or after 25,000 lift intervals)

⚠️ For information on service and maintenance contracts, please contact your local Arjo distributor.

Adjustable width chassis function

Open and close the chassis legs, and check for full and efficient movement.
**Component Weights**

<table>
<thead>
<tr>
<th>Item</th>
<th>kg</th>
<th>lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sarita (including battery)</td>
<td>44</td>
<td>(97)</td>
</tr>
<tr>
<td>Battery pack</td>
<td>2.25</td>
<td>(4.7)</td>
</tr>
</tbody>
</table>

**Electrical**

Battery type and part number ........ Rechargeable-lead acid/KTA 0102
Battery capacity .................................................. 24V 2Ah
Handset - Protection class .................. IP67
Hoist nominal voltage ...................... 24V

<table>
<thead>
<tr>
<th>Device</th>
<th>Duty cycle</th>
<th>Max Volts</th>
<th>Max amps</th>
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</thead>
<tbody>
<tr>
<td>Lift Actuator</td>
<td>10% 6min/hr</td>
<td>24</td>
<td>8.5</td>
</tr>
</tbody>
</table>

Medical Equipment:-  type ⚡ protection against electrical shock in accordance with IEC 601-1)
Arjo Patient Handling products meet the requirements of Electromagnetic Compatibility (EMC) as stated in clause 12.5 of the Medical Devices Directive 93/42/EEC.

**Environment**

Air humidity/storage .............................................. 20°C (68°F) 80%
Usage temperature (ambient) ...................................... +0°C (34°F) to +60°C (204°F)