

Plinth | Medical



Bariatric Trolley

Model: BARI3

USER MANUAL

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Plinth Medical Ltd is an ISO Audited company to ISO9001:2008



Our products are CE marked in conformity with the EC Directive MDD 93/42/EEC

1. Introduction

Thank you for purchasing a product from Plinth Medical Ltd. We use the highest quality components and manufacturing techniques to ensure that our products are simple to use and will last a long time. It is recommended that all users read and retain this User Manual for reference.

Throughout this manual notice is made of a Warning and Caution system to highlight to the user practices, procedures or conditions that should either not be allowed to happen or happen with caution.

Warnings are in a box with bold type and identify potential hazards, procedures or conditions which could result in death, injury or serious damage.

Cautions are in a box with plain type and identify conditions or procedures where if caution is not taken it may result in damage or failure of equipment.

General Warnings

WARNING

Maximum Load (SWL) is 320kg distributed evenly.

Do not use flammable gasses in proximity to an electrically operated trolley.

Do not concentrate weight on either side or either end of the trolley.

Use only accessories approved for use with this trolley.

Children must be adequately supervised in the presence of the trolley.

Do not allow children to play with the trolley at any time.

2. Installation

Although this trolley comes complete and is virtually ready to use it is important to remove all packaging and read the following before use.

Locking Castors

The castors can be locked from either side of the head end of the trolley. Press the red side of the pedal to lock all the castors and the green side to unlock.

Please refer to the Operation section on page 7 for further details.

WARNING

**Castors must be locked whilst patients get on or off the trolley.
Care should be taken to ensure patients do not trip over any part of the trolley
when getting off.**

Power Supply

Ensure that hand and foot switch leads are clear of the moving parts of the trolley before operation. Connect the charger plug to a normal domestic type power supply observing the following notes.

WARNING

**Ensure that the mains lead, plug and socket are in good condition before
connecting the charger.
Ensure that the mains cable has a clear run and is not stretched when connected
and that no one can fall over the cable.**

CAUTION

When trolley is not in use switch off power supply.

Lifting and Moving

Should the trolley need to be moved or lifted (for example to remove it from its packaging) then a minimum of two people are required. The trolley must only be lifted by the metal base frame near the wheels. If the trolley is upside down then it may be carried by holding it underneath the upholstery. When turning the trolley over, please make sure the frame and upholstery are supported at all times, otherwise damage may occur to the upholstery and gas springs.

CAUTION

Under no circumstances lift the trolley by the upholstery or top sections as damage will occur to the gas spring mechanisms.

3. Operation

Plinth Medical offers 1 variant of the BARI3 Treatment Trolley; it features 2 motors operating height and back rest.

Electrical Operation General

WARNING

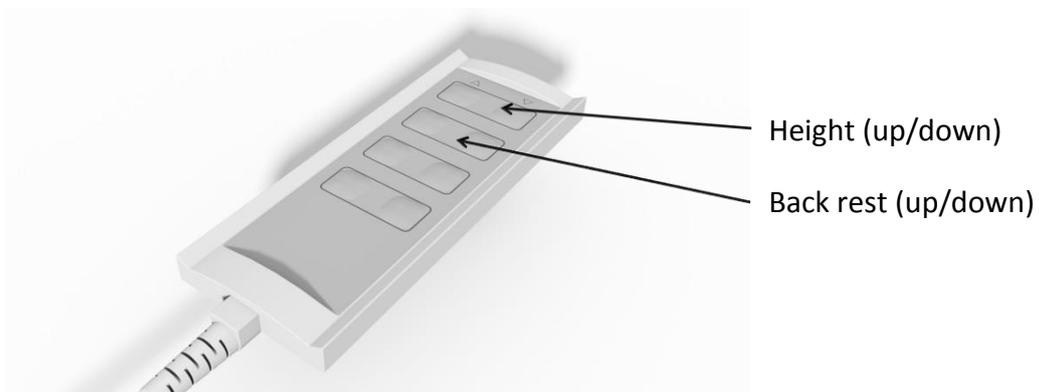
Safely position patient before operating any functions.

Position the switches in a place where they are clear of the moving parts of the trolley and where accidental operation is not possible.

Ensure that all electrical cables are clear of the moving parts of the trolley.

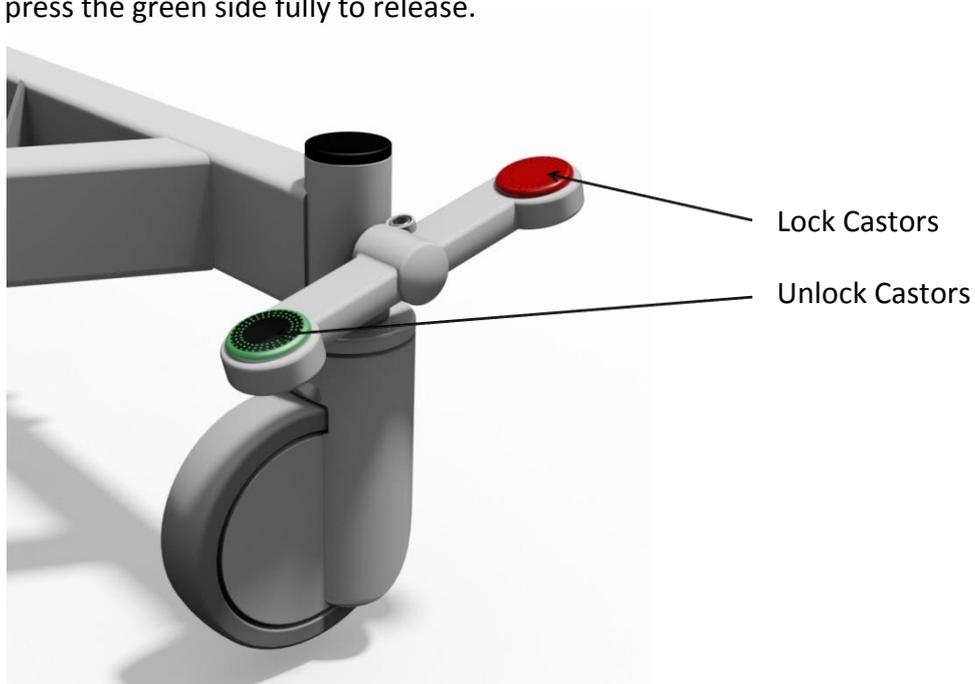
Electrical Operation (hand)

Standard fitment to the Bariatric Trolley is a hand control able to operate all the electrical functions.



Castor Operation

The castors fitted to this trolley are 125mm locking swivel castors suitable for patient movement. They are locked via a central locking mechanism operated at either side of the head end. Press the red side of the pedal down fully to lock the castors and press the green side fully to release.



WARNING

Castors must be locked before the trolley is used and whilst patients get on or off. Disconnect and coil electrical leads and switch away from the trolley mechanism prior to moving the trolley.

Oxygen Cylinder Holder & Push Handle

Fitted to the back of the trolley is a Push Handle to facilitate patient movement. This is best used with the back rest up, but can also be used when the back rest is flat.

Underneath the backrest is also an Oxygen Cylinder Holder designed to take cylinders of sizes ML-6, M7 and M9.

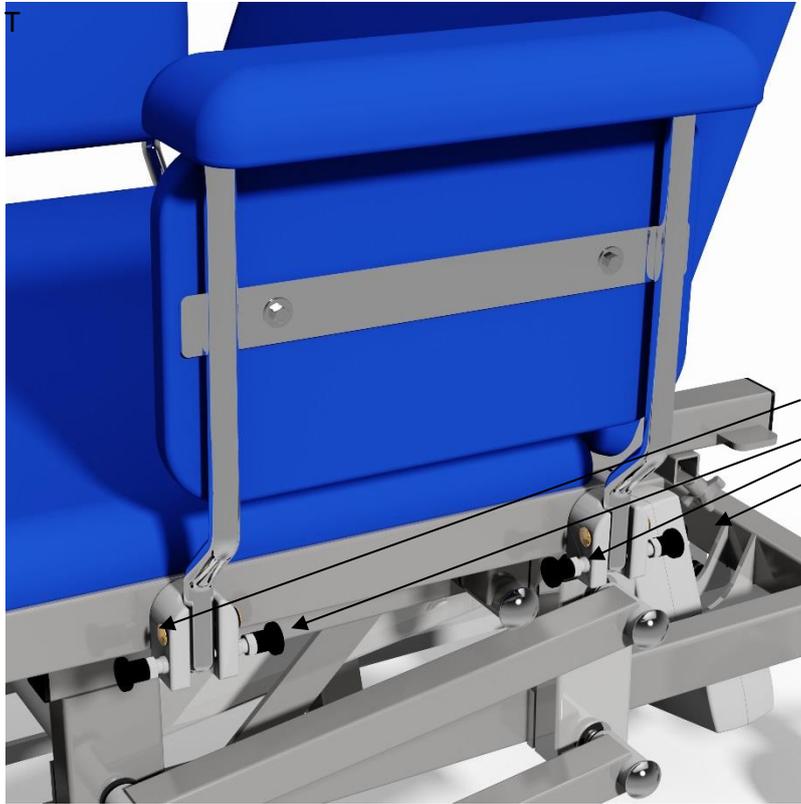
Push Handle



Oxygen Cylinder Holder

Armrest Operation

The trolley is supplied as standard with a pair of padded armrests/side supports designed to provide comfort, stability and support for the patient. These are height adjustable and may also be removed. Adjustment is as follows:



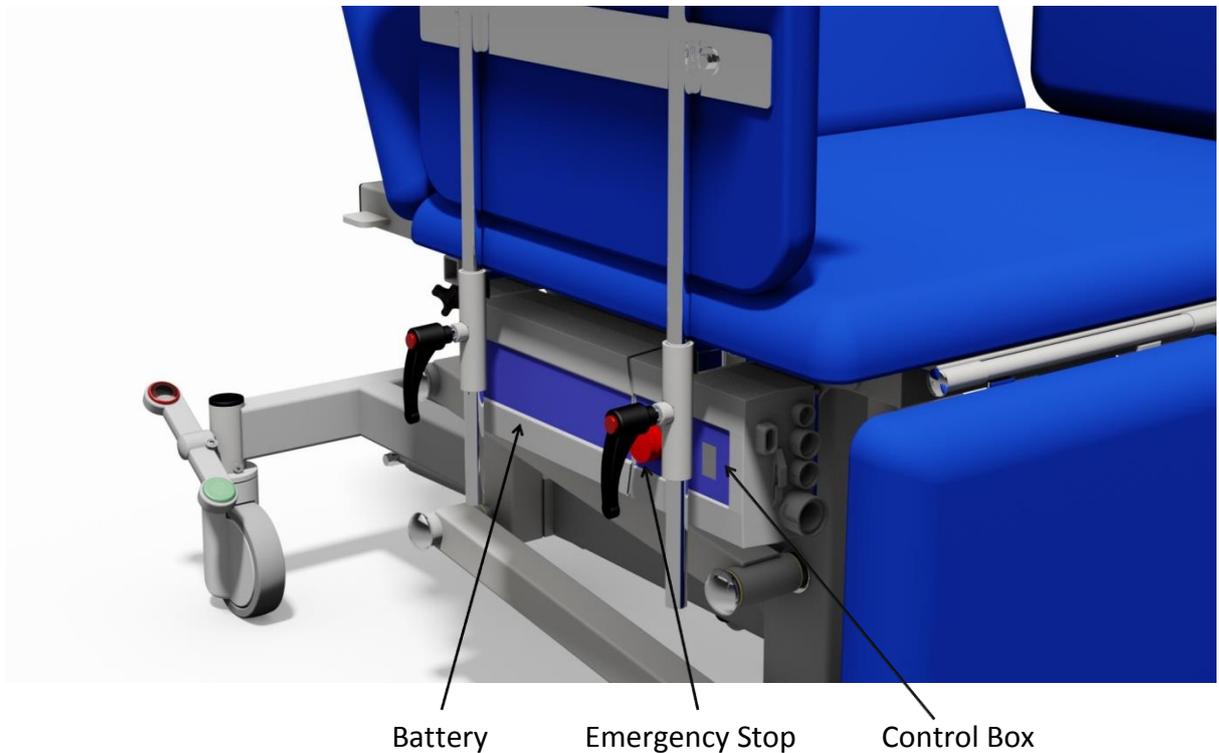
The arm rests are lowered by undoing the 4 indexing handles and lifting the arm rest.

WARNING

The armrests must be properly locked in position whilst in use.

Battery Operation System

Standard fitment is a Linak Jumbo battery operation system. The system comprises of two Batteries, a Wall Mounted Charger and a Control Box.



In normal operation the Emergency Stop button should be in the out position. This is achieved by rotating the red button clockwise as indicated on the button. In the event of an emergency push the button to stop all electrical functions.

The battery is charged by removing from the trolley and fitting to the wall mounted charger. To remove the battery from either the trolley or wall mounted charger put your hand at the end of the battery and squeeze the little metal lever. The battery can then be pulled up and out. To refit the battery reverse the above procedure and ensure the battery is pushed until it is locked in place (you will hear it click).

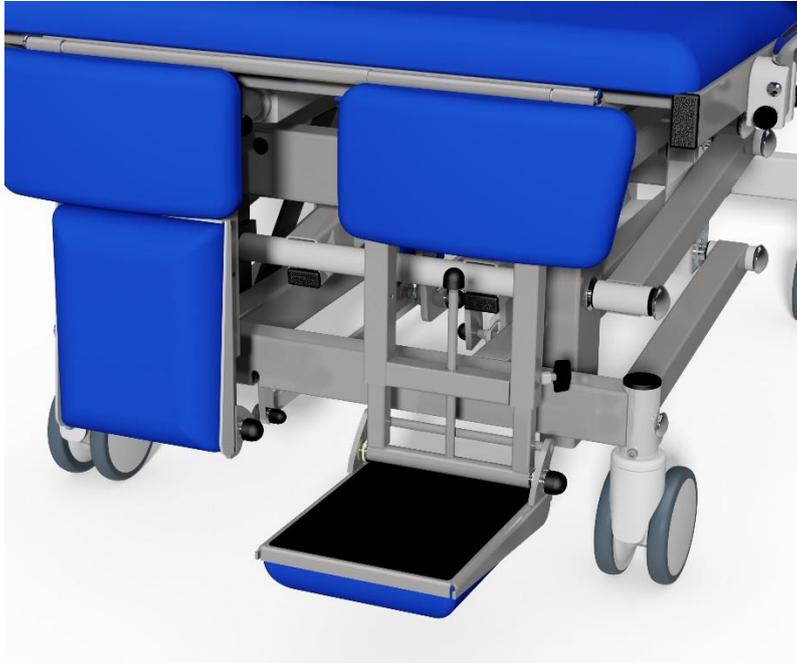
When charging on the wall mounted charger, there are two led lights 'on' and 'charge'. 'On' indicates that the unit has power and 'charge' indicates a battery is charging (orange) or is charged (green).

WARNING

Batteries are heavy and should be handled with care to avoid injury

Foot Support

The heel pads on the trolley fold down to act as a Foot Support when wheeling the patient in a seated position.



To fold down the pad, simply grip the pad both sides and pull firmly. To replace the pad push it back until fully engaged.

CAUTION

Do not use the Foot Support as a step or damage may occur

4. Accessories Operation

The standard recommended accessories are detailed below. Many of these can be fitted retrospectively if required.

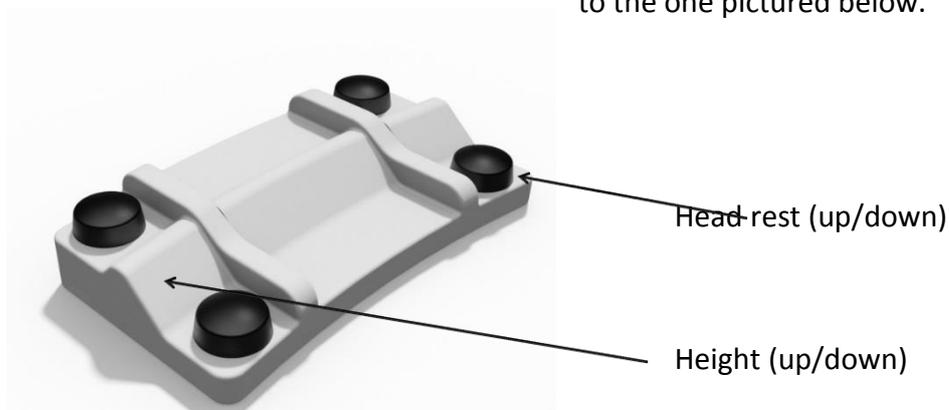
Head Cushion

A removable head support cushion is supplied as standard and has an adjustable elastic strap to ensure a secure fixing. The position of the cushion may be adjusted by simply sliding it up and down the section. To remove simply slide off the end.



Footswitch

An optional fitment footswitch may be specified for the trolley and will look similar to the one pictured below.



5. Cleaning and Decontamination

WARNING

If contamination is suspected then decontaminate the trolley before use.

Torn or damaged upholstery should be replaced immediately.

CAUTION

Do not use Alkalis or other organic solvents for routine cleaning.

Always cover the vinyl with paper towelling or trolley covers if it can come into contact with bare skin.

Cleaning

Always wear suitable protective clothing before carrying out this procedure.

Disconnect the mains supply to the trolley and move it to a suitable cleaning area and lock the castors.

Step 1. Using warm water and soap on a damp cloth, carefully wipe the trolley over from top to bottom. Take great care around electrical components.

Step 2. Wipe the trolley carefully from top to bottom using a clean damp cloth and soap free water.

Step 3. Carefully dry the trolley from top to bottom with clean lint free paper towels.

Decontamination

To decontaminate the trolley repeat the above steps but using a dilute solution of Hypochlorite and warm water (10,000ppm) instead of warm water and soap. At the end of the procedure discard all cleaning materials in a safe manner and wash hands thoroughly.

6. Troubleshooting

In the unlikely event of the trolley failing to operate and having carried out the normal practical fault finding steps below then please contact our Customer Service Team on +44 (0)1449 767887 or email customerservice@plinthMedical.com. **Please have the serial number to hand before making contact so we can help you more efficiently.**

Fault	Possible Cause	Remedy
Trolley is unstable	Uneven floor	Move trolley to flat floor
	Damaged Castor	Check presence and condition of all castors
All motors will not work	Power disconnected	Connect power supply
	Hand/ Footswitch disconnected	Check the switch is fully connected to the motor
One motor will not work but other is working	Lead from height motor/control box not connected to slave motor	Check and connect all leads
	Fault with switch	Replace switch
	Fault with control box	Replace control box
	Fault with motor	Replace motor
Motor sinks	Switch permanently operated	Unplug and re-connect switch
	Motor fault	Replace motor
Backrest will not work	See one motor will not work section above	See one motor will not work section above
Leg rest sinks under load	Gas spring adjustment	Adjust Gas spring
	Gas spring fault	Replace Gas spring
Armrests slip or are loose	Locking thumbwheels not correctly tightened	Correctly tighten locking thumbwheels
	Thumbwheels damaged from over tightening	Replace thumbwheels

7. Maintenance

Plinth Medical Ltd products are designed to be maintenance free. However keeping your Plinth products clean and regularly checked will assist in prolonging their working life. The following is a guide of simple checks that the user can carry out on a six monthly basis. We would also recommend an annual service visit by a Plinth Medical trained engineer.

WARNING

Disconnect trolley from electrical supply before commencing any of the following checks.

Examine the trolley for any signs of damage. Pay particular attention to all nuts, bolts and fasteners to check they are present and tight but not over tight.

Upholstery bolts should all be checked (each section has between 2 and 6 No. M6 bolts), they should all be present and tight.

Check gas struts (if fitted) and ensure that they operate through the full range of movement and lock fully.

Check hinge pins are lubricated and not rusty.

Check main trolley nylon pivot bearings are lubricated sufficiently.

Examine mains and switch cables for any damage, cuts, kinks, abrasions etc. These must be replaced if necessary.

Check mains lead, switch cables and slave motor leads are all correctly and securely attached.

Check correct plug fuse is fitted (5A).

WARNING

Any electrical checks or work other than the visual inspection above must be performed by a qualified electrician.

Do not connect BLUE or BROWN wires to the earth terminal of a plug.

8. Guarantee and Service (UK only)

Plinth Medical Ltd offer a 5 year parts guarantee on all Premium Range products delivered from January 2013 and a lifetime frame guarantee. The only exclusion to this guarantee is for negligent damage or damage to upholstery coverings. This guarantee does not require registration of the product as we can trace it from its serial number, however in the event of the serial number being removed, missing or unreadable then this may void the guarantee. These terms do not affect your statutory rights.

In addition to the above Plinth Medical Ltd can offer both extended warranties and service contracts. For further information about either of these please contact:

Customer Service
Plinth Medical
Barric Lane
Occold
Eye
Suffolk
IP23 7PX
Tel: 01449 767887
Mail: customerservice@plinthMedical.com

In the event of returning a product or part to us then please follow the instructions for cleaning under section 5 before enclosing it in suitable packaging and returning it to the above address. In addition please ensure there is a statement confirming that it has been decontaminated and what the fault is along with relevant contact details.

Worldwide

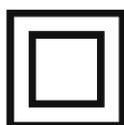
Please contact the distributor you purchased the trolley from for service and support in your country. If you are unable to do so then please contact us in the UK and we will refer you to our local representative.

9. Technical Specifications

	BARI3			
Head Length (cm)	78			
Seat Length (cm)	56			
Foot Length (cm)	48			
Width (cm)	78			
Overall Length (cm)	168			
Height Range (cm)	56-104			
Max Working Load	320kg			
Control	Hand switch			
Electrical Data 220/240v				
Motor(s)	Linak LA34 x 1 Linak LA31 x 1			
Control Box	Linak JUMBO			
Current	1.5A			
Power	360W			
Mains Plug Fuse	5.0A x 1			
Internal Fuse	3.0A x 1			
System Voltage	24v			
IP Rating	IPX4			
Battery Capacity	1.2AH (24v)			
Electrical Data 110/120v				
Motor(s)	Linak LA34 x1 Linak LA31 x 1			
Control Box	Linak JUMBO			
Current	2.7A			
Power	360W			
Mains Plug Fuse	5.0A x 1			
Internal Fuse	3.0A x 1			
System Voltage	24v			
IP Rating	IPX4			
Battery Capacity	1.2AH (24v)			

IEC 601-1 Electrical Safety Classification

All models are double insulated Type B equipment and marked as such.



Double Insulated



Type B Equipment

10.Revisions to Manual

Pages	Issue No	Name	Date
All	Manual - 01	Niall Dyer	13.06.2017

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IP23 7PX
ENGLAND

Plinth Medical Ltd In association with Plinth 2000 are an ISO Audited company to
ISO9001:2008



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