



Day Care Couch

Instructions for use



REF DC03E/+EB01





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These instructions are intended to assist you with the operation and maintenance of your new Medi-Plinth plinth/couch. It is important that these instructions and listed precautions are thoroughly read and understood before using the plinth. To ensure safe operation of this plinth, it is recommended that procedures are established for training staff on its use. Patients, staff or the plinth/couch could be adversely affected, if the following instructions and precautions are not observed.

1. DEVICE DESCRIPTION

The Medi-Plinth Day Care Couch consists of a platform mounted on a stable frame designed to support a maximum weight of 260 kg and is fitted with an electric elevation system. Extra low entry height allows for easy wheelchair transfer and MRSA resistant anti-bacterial and fire-retardant upholstery adds to patient comfort and safety. A variety of options and accessories are available.



2. INTENDED USE

The Day Care Couch is a general purpose variable height plinth ideal for patients spending vast periods of time during examinations or treatments seated in a chair. They are designed for use in hospitals, clinics or similar institutions and do not require any specialist training to be used. However, users should familiarise themselves with this manual before use.

3. INDICATIONS FOR USE

Device is intended to be used for patient positioning.

4. INTENDED USER AND USER TRAINING

The device's do not require any specialist training. However, the plinths should only be used by healthcare professions. Users should familiarise themselves with this manual before use. If you require any further training please contact us by emailing sales@medi-plinth.co.uk as we offer inhouse and onsite training on request.

5. PATIENT TARGET GROUP(s)

Patients requiring positioning during procedures.

6. PERFORMANCE CHARACTERISTICS

These couches have a working height of 48cm-93cm. The backrest raises to 85 degrees and lowers to -20 degrees and the footrest raises to 15 degrees and lowers to -85 degrees. The seat of the plinth tilts from 0 degrees to 15 degrees. The safe working load for this electric plinth is 260Kgs.

7. EXPECTED CLINICAL BENEFIT

Using these products will ensure greater patient comfort during patient positioning, whilst offering better access for the clinician and in turn a safer and more effective outcome during procedures.

8. CONTRAINDICATION

A Contraindication identifies situations or actions that may have an effect on patient safety. The plinth must not be used near any machines generating a large magnetic field, including magnetic resonance imaging (MRI) machines.

Do not use the plinth for transporting patients.

The plinth is not compatible with hyperbaric chambers.

The plinth is not suitable for Psychiatric care or operating theatres.

The plinth is not compatible with hospital bed/trolley washers or chlorine mist tunnels.

9. WARNINGS & CAUTIONS

WARNING	Identifies situations or actions that may have an effect on the personal safety of either the patient and/or user and ignoring this information could result in injury.
CAUTION	Identifies situations or actions that may have an effect on the equipment and ignoring this information could result in permanent damage being caused.

Please read the following safety information carefully:



WARNINGS:

As the plinth/couch is not delivered sterilized, cleaning and disinfecting it is recommended before using it for the first time, as well as after each usage.

Ensure that the wheel system is disengaged and the adjustable foot in set correctly before using the plinth.

Before using any plinth/couch, please familiarize any operator with this user manual. All product IFU's can be found on our website: www.medi-plinth.co.uk/IFU. The QR code located next to the serial number on the product will directly link you to the IFU also. Should you require a printed hardcopy of the IFU, please email sales@medi-plinth.co.uk with the device serial number and we will gladly despatch a hardcopy of the IFU to you within five working days

Never exceed the maximum load capacity of the plinth/couch, even in brief periods. Weight should be evenly distributed on the plinth.

The plinth/couch should NOT be used for patient transport unless fitted with transportation castors.

Use of the backrest or footrest as a seat should be avoided. Position the hand and/or foot switch in a place where it is clear of the moving parts of the plinth and where accidental operation is not possible.

Under no circumstances

Is this wheel system designed to support the weight of a patient, misuse of the wheel system may cause the internal cam to jam and mis-function.

- When adjusting the sections of plinth/couch, check that there is no risk for the patient, other people, or the accessories to be trapped. Children should not be allowed underneath the plinth/couch at any time.
- Never try to adjust the head or foot sections in any way other than that described in this manual.
- Torn or damaged upholstery should be replaced immediately.
- If fitted to the couch/plinth cot sides are not intended to serve as a patient restraint device.
- If fitted to the couch/plinth, ensure the cot sides are fully engaged when in use.
- If contamination is suspected, decontaminate the plinth/couch before use.
- When cleaning the couch/plinth appropriate protective clothing should be worn to avoid contamination.
- Other than for routine daily procedures listed in the troubleshooting in this manual, any
 maintenance or repairs to Medi-Plinth products must be carried out by an authorised,
 competent and Medi-Plinth approved engineer who has been trained and certified by
 Medi-Plinth Equipment Ltd.
- No modification of Medi-Plinth products is allowed.
- Inspect the actuator system regularly for damage and wear.
- In the event of any defect which may jeopardize the patient or user safety, or which may damage the plinth/couch or the building contents, remove the plinth/couch from service until corrected.
- Use only accessories that have been designed or approved for use with this plinth/couch.

OPERATING ENVIRONMENT:

- This equipment is not suitable for use in the presence of flammable gasses such as an anaesthetic agent, oxygen, or nitrous oxide.
- The plinth/couch is NOT suitable for oxygen enriched or MRI environments.



ELECTRICAL WARNING:

- For an electric plinth, ensure the power cable does not create a trip hazard or is subject to damage.
- Ensure that the mains lead, plug, and socket are in good condition before connecting the equipment. Ensure that the mains cable has a clear run, is not stretched when connected and that no one can fall over the cable.
- Always electrically isolate the plinth/couch from the mains power supply before carrying out any cleaning, maintenance, or repairs. Electrical isolation of the plinth/couch is by removal of the mains power plug from the mains power supply.
- Interconnecting cables must remain plugged in during cleaning to prevent water ingress.
- Only original and approved spare parts must be used with Medi-Plinth plinths/couches failure to use original or approved spares will invalidate the warranty and may cause injury or damage.



CAUTIONS:

Do not use chemical bleaching materials, solvents, abrasive cleaners, wax polish or aerosol spray polishes. The use of these substances is likely to be harmful to material coated fabrics and repeated use can result in the removal of the plasticiser of the PVC compound, which will result in hardening and subsequent cracking of the material surface. When the equipment is not in use, switch off the mains supply or pull out the plug-in order to prevent unintentional operation.

• If the plinth is to be located against a wall, please ensure no wall fixtures, sockets, furniture, etc. will interfere with the safe operation of the plinth.

POWER SUPPLY (Electric Version Only)

Connect the plinth/couch to a normal domestic type of power supply observing the warning and cautions above.

10. POTENTIAL ADVERSE EFFECTS:

No known device-related adverse effects that are typical of patient positioning adverse effects.

11. REPORTING OF SERIOUS INCIDENTS:

If a serious incident is suspected from using the plinths/ couches, report the details of the incident to Medi-Plinth Equipment via the online complaint form https://www.medi-plinth.co.uk/contact-us, by email to Sales@medi-plinth.co.uk or by phone number 01473 212010 and to the local Health Authority in your country. A serious incident may have caused or contributed to a death, a delay in a procedure which resulted in death or serious injury, or a malfunction that could have caused an adverse incident or event.

12. INSTRUCTIONS FOR USE

COMMISSIONING

- Unpack the plinth/ couch and locate it to its position of use.
- To enable the plinth/ couch to stand level on most surfaces the plinth has been fitted with an adjustable foot at one corner (Plinths/ couches fitted with patient transport castors do not have an adjustable foot). Set the adjustable foot as stated in adjustable foot section.
- For electric plinths Do not obstruct access to the mains power supply and ensure the power cable does not create a trip hazard or is subject to damage.
- Before using the plinth, test every function and check that it is in perfect conditions of use.

12.1. CENTRAL CONTROL BRAKE CASTORS

The Day Care Couches are equipped with a central control brake wheel system and transportation castors. This linked castor based system enables patients to be transported safely.

 To lock the linked castor wheel system, the red lever must be firmly depressed by foot. All four castors are now locked.



 To move freely, use your foot to release the lever by placing foot underneath the lever and lifting upwards. Both green and red levers are horizontal.



 Locking one castor, depress the green lever into the downward position. One of the casters at the head end of the plinth will lock in the longitudinal position. The remaining three castors will stay free running for added control and moveability.



HEIGHT ADJUSTMENT

Electric Option:

Ensure that the mains lead, and hand switch/foot switch cables are not tangled around the frame of the plinth and fit the mains plug into a suitable mains supply socket. The plinth can be raised and lowered by pushing the appropriate buttons on your chosen control handset or foot switch, if fitted. On releasing the button, the plinth will lock in that position.

HEAD SECTION

The head section is adjustable from -20° to +85° by means of a gas strut or electric motor.

Gas Head Section (Standard Feature)

To raise head section - both hands are required.

Grip the head section with one hand, with the other hand push the lever towards the upholstery. The head section will rise unassisted. Once the section has been guided to the required angle release the lever and the head section will lock in position.

To lower head section - both hands are required.

Grip the head section with one hand, with the other hand push the lever towards the upholstery. Apply downward pressure to the head section, which will lower under some assistance. When the required angle has been reached, release the lever and the lock will engage.

FOOT SECTION (3 Section Plinth Only)

The foot section is adjustable to -85° by means of a gas strut.

Gas Foot Section (Standard Feature)

To raise foot section - both hands are required. Grip the foot section with one hand, with the other hand push the lever towards the upholstery. The foot section will rise unassisted. Once the section has been guided to the required angle, release the lever and the foot section will lock in position.

To lower foot section - both hands are required. Grip the foot section with one hand, with the other hand push the lever towards the upholstery. Apply downward pressure to the foot section, which will lower under some assistance. When the required angle has been reached, release the lever and the lock will engage.

TILTING SEAT (Standard Feature)

With 3 section plinths there is an optional feature of a tilting seat section. The seat section is adjustable from 0° to +15° towards the head section. This optional feature is electric only and is operated by pushing the appropriate buttons on either the handset or foot switch, if fitted.

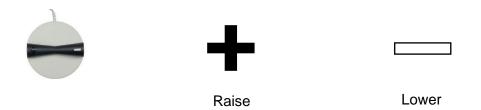
HANDSET (Electric Plinths Only)

The handset is compact to allow for one hand operation. It is biocompatible (DS/EN ISO 10993-5:2009), with an anti-slip coating on the back to prevent dropping.



FOOT SWITCH (Optional Feature - Electric Plinths Only)

The foot switch is a robust, user-friendly, and easy-to-clean foot control. Ergonomic design in the butterfly shape. They allow the operator to have both hands free when attending to patients. The controls are simple and have a plus sign to raise and minus sign to lower.



FOLD DOWN ARMRESTS (Standard Feature)

To drop an armrest- both hands are required. First hold the top and centre of the armrest with one hand. With the other hand disengage the locking plunger on the bracket. Whilst disengaged, lift the entire armrest up and rotate towards you, folding the armrest down to the side of the couch.

To lift and engage the armrest repeat the same steps in reverse, ensuring that the armrest is fully located in the brackets and that the plunger is fully located in its hole. This will ensure that the armrest is securely positioned and ready for use on the couch.

TILTING SEAT (Standard Feature)

The seat section of the plinth/couch can be tilted from horizontal to a 15° head-down incline by pushing the appropriate buttons on your chosen control.

13. OPERATING ENVIRONMENT

Operation of this equipment must be within the following ambient condition:



Temperature + 5 °C to + 40



Relative humidity 20% to 80% - non-condensing



Atmospheric pressure 700 to 1060 hPa (Rated to be stored at an altitude ≤ 3000 m)

14. SAFE OPERATION OF PLINTH/COUCH

The maximum safe working load of the plinth/couch is 260 kg this is a uniformly distributed weight across the top surface of the plinth/couch. The safe working load of the head and foot sections are 180kg.

The safe working load of the plinth/couch is also marked on the base frame and the safe working load of the backrest and footrest is shown on the relevant section of frame. Users should also take care not to shock load the plinth/couch, through either jumping or dropping on to it as this will impose a considerably higher loading on the mechanism.

POWER SUPPLY (Electric Version Only)

Connect the plinth/couch to a normal domestic type of power supply observing the warning and cautions above.

15. USE OF THE PRODUCT FOR LARGE OR INFIRM PATIENTS

Adjust the height of the seat (using main lift actuator/ hydraulic pump) to the most convenient height for the patient. <u>DO NOT</u> allow patient to drop onto the plinth/couch.

Patients can sit on the seat section from the side, thus enabling them to keep their feet more directly under their body mass, to do this - tables, arms or accessories etc. may need to be folded into their stowage position.

Once a patient has sat on the seat section from the side, they may need some assistance to turn, moving their legs from the side to the plinth/couch.

16. TRANSPORTATION & STORAGE

The plinth will be packed and protected to ensure no damage occurs during normal transportation of goods.

Medi-Plinth plinths and couches must be stored in a dry environment, protected against ground moisture, away from direct sun or UV exposure and other direct sources of heat. If held in storage for long periods, a full service should be completed before plinth/couch is put back into service.

17. CLEANING & INFECTION CONTROL

Do not use chemical bleaching materials, solvents, abrasive cleaners, wax polish, or aerosol spray polishes. The use of these substances is likely to be harmful to material coated fabrics and repeated use can result in the removal of the plasticiser of the PVC compound, which will result in hardening and subsequent cracking of the material surface.

Medi-Plinth takes no responsibility for damage incurred while cleaning. Listed below are recommended/suggested cleaning methods. Always patch test a cleaning method in a hidden area first. If you are not sure, please contact Medi-Plinth customer support.

GENERAL CLEANING

To maintain their appearance, the fabrics should be cleaned regularly to remove fatty substances and soiling. Light soiling can be removed by wiping with a damp, soapy cloth or sponge and subsequent rinsing with water before drying.

All our ranges have been tested and are capable of withstanding the most rigorous cleaning regime. Our upholstery can be used with all NHS approved cleaning solutions such as Chlor-Clean, Haz-Tab, Milton and Tristel. Clinell wipes and other alcohol-based wipes are safe to use on our vinyl's. The cleaners and disinfectants must not be highly alkaline or acidic (pH value 6-8).

The upholstery is resistant to most mild acids, alkalis, and household stains. Some substances such as ballpoint pen, lipstick, newsprint, and food colourings may be absorbed by the material and cause permanent staining. This can be minimised by immediate cleaning with a damp soapy cloth or sponge.

Electric plinths option, disconnect the mains supply to the plinth/couch.

Move the plinth/couch it to a suitable area for cleaning and secure the plinth/couch from moving.

Dust or vacuum the plinth/couch to remove any loose dirt. (Do not use a brush type vacuum or hard bristle brush)

Wipe the handset with an alcohol wipe or similar.

Using warm water and mild soap on a damp, soft and non-abrasive cloth. Carefully wipe the plinth/couch from top to bottom. Take great care around electrical components and control levers. Avoid excessive moisture, especially around hinges, pivot, or electronic areas. Gently rub stains with circular movements, **DO NOT SCRUB.**

Wipe the upholstery down with a damp cloth using plain clean water to remove any residue left from step 4.

Dry the plinth/couch with a dry soft cloth.

Move plinth/couch back into place and readjust the adjustable foot if required.

Ensure the plinth/couch is dry before re-use.

Discard any cleaning material in a safe way.

For stubborn marks and stains, a mix of 1-part methylated spirits to 5 parts water may be used. A very mild antiseptic may also be used if required.

Clean the entire area where the mark or stain has occurred. Water may help to dissolve dirt particles and make cleaning easier. (Remember to test this solution out on your fabric in an area that isn't easily visible to see if it discolours or damages the upholstery. If it does, stop using the blend and look for a cleaning solution that is specifically made for vinyl). If dirt is ingrained, the surface may be scrubbed with a soft brush.

18. DECONTAMINATION

To decontaminate the plinth/couch, repeat steps above for general cleaning using a dilute hypochlorite or bleach & warm water mixture (mixed at 10,000ppm) instead of warm water and soap.

19. MAINTENANCE

It is recommended that the Medi-Plinth products are serviced once per year. Particularly if in constant use. Regular service and maintenance are essential to maintain both the safety and reliability of the plinth/couch. All service and maintenance of the Medi-Plinth products must be completed by an authorised, competent and Medi-Plinth approved engineer who has been trained and certified by Medi-Plinth Equipment Ltd. Any works carried out by an un-approved

organisation or individual will void the warranty and potentially compromise the safety and reliability of the plinth/couch.

Medi-Plinth offer a free service where individuals or organisations can attend their facility in Ipswich for full training on all areas of service and maintenance for the product range. This free training can be extended to any clinical professionals requiring product training for the device, outside of the guidance provided in the device user manual.

DAILY MAINTENANCE

The upholstery should be visually inspected for damage on a daily basis. Any cuts or tears in the upholstery could allow fluids to penetrate into the foam core. In this event the upholstery should be replaced. Do not attempt to repair any tears or splits.

THREE MONTH MAINTENANCE

- Carry out the daily maintenance procedure.
- Examine the plinth/couch for any signs of damage. Ensure all nuts, bolts and other
 fasteners are present and fitted as and where expected. If loose (can be undone by
 hand), re- tighten using suitable tools but taking care to not over tighten as this could
 cause binding, juddering, identifiable by a likely noise.
- Upholstery bolts should all be checked (each section has between 2 and 6 M6 bolts), they should all be present and tight. DO NOT USE PRODUCT IF ANY UPHOLSTERY FIXING SCREWS ARE MISSING!
- Check gas struts (if fitted) operate smoothly and correctly throughout all ranges of movement and lock fully.
- · Check hinge pins are lubricated.
- Check main plinth/couch nylon pivot bearings are lubricated sufficiently.
- (Electric Plinths Only) Examine all cables for any damage, cuts, kinks, abrasions etc.
 All cables must be correct and securely attached. These must be replaced if
 necessary. Check mains plug connections are tight and the correct fuse is fitted.
 Inspect the actuator system for damage and wear.
- Test that the plinth has full range of motion.

ANNUAL MAINTENANCE

Regular servicing should be carried out a minimum of every 12 months or more frequently if the couch is in constant use.

Routine servicing or repair must be carried out by an authorised, competent and Medi-Plinth approved engineer who has been trained and certified by Medi-Plinth Equipment Ltd.

20. TROUBLESHOOTING

Check for proper operation after each step. When the problem is fixed, return the plinth/couch to service. If further assistance is needed at any time during troubleshooting, please contact our Customer Service Team on +44(0)1473 212010 or email sales@medi-plinth.co.uk. Please have the serial number of the plinth/couch you are enquiring about to hand before making contact so we can help you more efficiently.

Problem:	Cause:	Solution:
Instability/couch moving	Linked castor break is not applied.	Ensure the main castor break has been depressed.
Plinth/ couch will not move	Plinth/couch is in contact with surrounding furniture and has space to operate fully	 Move the plinth/ couch away from surrounding furniture items and ensure that all sections can operate fully in all their operation parameters. It is essential that the plinth/ couch is unobstructed to operate safely and correctly.
Electric plinth/couch will not move	No power to plinth/couch	 Check mains plug is connected properly. Check all cables are fully engaged. Check fuse in plug.
Backrest hard to move or not moving	Gas spring incorrectly adjusted (Striking plate or plunger pin not being actioned/ contacted).	 Loosen locking nut on gas strut. Re-adjust the gas strut to ensure plunger pin and striking plate contact and depress properly. Tighten locking nut to lock gas strut in place.
Backrest sinks under load	Gas spring incorrectly over adjusted (permanently actioned)	 Loosen locking nut on gas strut. Re-adjust the gas strut to ensure plunger pin and striking plate have a 1-2mm gap visible between them. Check the gas strut still operates correctly. Tighten locking nut to lock gas strut in place.

21. DECOMMISSIONING AND DISPOSAL



When decommissioning either the plinth/couch or any accessory, please ensure the items are cleaned and disinfected, as described in the cleaning section before any other decommissioning activities.

If the products are still fit for use, it is recommended that they are donated to a charitable organization so that they can be reused.

If not still fit for use, please dispose of in accordance with EC directive 2012/19/EU or in accordance with the environmental local laws and regulations as it pertains to the safe disposal of medical devices and accessories in the respective country.

22. TECHNICAL SPECIFICATION

Patient Surface	177 x 63 cm
Height adjustment	48 – 93 cm
Backrest raises	85°
Backrest lower	-20°
Footrest lower	-85°
Tilt raises	15°
Maximum safe working load of electric lift	260 kg
Maximum safe working load of backrest/footrest	180 kg
Weight w/o accessories	105 kg

Electric features - Electric Plinths Only			
Power supply	240V 50-60 Hz		
Maximum current intake	5A, 100-240V		
Protection indicator	IPX4		
Protection class	Class 2.B		
Electric shock protection	TYPE B		

23. SPARE PARTS

User Instruction Manuals are offered in English. Other languages are available on request. Only original and approved spare parts must be used with all Medi-Plinth Equipment Limited products, failure to use original spares will invalidate the warranty and may cause injury and/or damage to unit. All spares can be purchased by the user from Medi-Plinth Equipment directly. Please contact the Medi-Plinth Equipment Limited sales team (sales@medi-plinth.co.uk) for further information. It is recommended that only competent persons approved by Medi-Plinth Equipment Limited should undertake the replacement of spare parts.

24. WARRANTY

STANDARD WARRANTY

Medi-Plinth offer a standard warranty against defect of design, material, or manufacture of:

- 1 year for all upholstery sections
- 3 years for actuators, foot / hand switches, control boxes, gas springs.
- 7 years for all white painted or plated metalwork.

Medi-Plinth Equipment Limited standard terms and conditions apply to this plinth/couch. A copy of which is available upon request. The terms and conditions contain full details of warranty terms and does not affect your statutory rights.

For any further information on this product, regarding spares, warranty, service, or maintenance information, please contact Medi-Plinth or your distributor.

Medi-Plinth reserves the right to examine the plinth/couch before making any repairs to determine the nature or origin of the defect and whether it is covered by the guarantee. Medi-Plinth will not be responsible for damages caused by the time the plinth/couch is out of service. As part of our ongoing development programme, Medi-Plinth Equipment Limited reserves the right to modify specifications and materials of its plinth/couch without prior notice.

EXTENDED WARRANTY

Medi-Plinth offer an extended warranty against defect of design, material, or manufacture of:

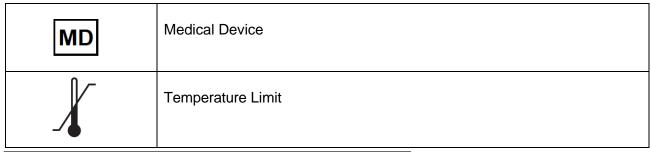
- 5 years for actuators, foot / hand switches, control boxes, gas springs.
- 10 years for all white painted or plated metalwork.

Does not cover accidental damage or wear and tear. Please see current term and conditions for more details.

All Medi-Plinth equipment is manufactured and assembled to high standards of quality in accordance with BS EN ISO 13485 Medical Device Quality Management System.

25. SYMBOLS USED ON LABELLING

$\bigcap_{\mathbf{i}}$	Consult instructions for use or consult electronic instructions for use
	Do not use if the package is damaged and consult instructions for use
GB	Date of manufacture/Made in United Kingdom
EC REP	Authorized representative in the European Community/European Union
<u>^</u>	Caution
REF	Catalogue number
SN	Serial Number





Medi-Plinth serial number label.



Medi-Plinth IFU Download label.



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Thank you for choosing a Medi-Plinth Equipment Limited plinth/couch. Should you require any further details on the information contained in these instructions please contact us at:



Medi-Plinth is an ISO 13485:2016 accredited company.