

FranceBed

C-4DL Electric Bed User Manual



CONTENTS

	Page
1. INTRODUCTION	2
2. WARNINGS & CAUTIONS	3 - 4
3. ELECTRONIC FUNCTIONS	5 - 10
3.1 Handset Button Operation	6
3.2 Backrest Adjustment	7
3.3 Mattress Platform Height Adjustment	7
3.4 Knee Positioning Adjustment	7
3.5 Auto Contour Positioning	8
3.6 Tilt Positioning - Trendelenburg/Reverse Trendelenburg	8
3.7 Under Bed Light	8
3.8 Nurse Control Panel (ACC)	9
3.9 Battery Backup Function	10
4. GENERAL BED OPERATION	11 - 17
4.1 Drop Down Split Side Rails	11 - 12
4.2 Manual Cardiopulmonary Resuscitation (CPR) Function	13
4.3 Castor System - Brakes and Steering	14
4.4 Head and Foot Panels	15
4.5 Bed Extension	16
4.7 Calf and Thigh Panel Adjustment	17
5. PROFILE 4DL BED SPECIFICATIONS	18
6. CLEANING	19
7. MAINTENANCE	20 - 22
8. TROUBLE SHOOTING	23
9. TRANSPORTATION AND STORAGE	24
10. PROFILE 4DL BED ACCESSORIES	25
11. WARRANTY AND SERVICE	26

1. INTRODUCTION

NOTE: The beds batteries should be charged for 24 hours prior to first use.

The Profile 4DL is an electrically actuated acute care bed, which has a range of functions and positional movements that assist caregivers and provide for patient comfort. Ease of use, functionality, serviceability and cleaning practicality are key features of the Profile 4DL. The bed has a fabricated steel structure with a powder coated finish. The plastic components are made from urethane, PP and POM nylon, ABS and HDPE plastic.

Clinical Applications and Area of Use

The bed is appropriate for high dependency patients who pose a moving and handling risk and or whose clinical condition requires that they are positioned with minimal physical handling.

Patients with a moderate amount of independence can, at the carer's discretion, use the controls to adjust their own position.

Profile 4DL Key Features

- Total safe working load (SWL) of the bed 250Kg.
- Electrically adjusted height range - The Profile bed (**depending on 150mm castor choice**) works within a height range of 385mm low height to a maximum high height of 840mm.
- 150mm diameter (Single or Twin) castors with central operation for braking and steering.
- Electrically actuated mattress platform Trendelenburg tilt (14°) and reverse Trendelenburg tilt (14°), which includes an electronic horizontal stop function.
- Four sectioned electrically operated profiling steel mattress platform with independent adjustment of backrest angle (65°), thigh section angle (35°) and manual adjustment of calf section angle (0° down to 25°).
- Retracting backrest to help reduce abdominal squeezing.
- Auto Contour Positioning - Provides synchronised movement of the backrest and knee positioning in one operation.
- Manually operated (ratchet positioned) calf/foot elevation.
- Integral mattress platform extension.
- Integral bed linen stripper.
- Fixed drop down split side rails.
- Light weight, strong and durable interchangeable plastic blow moulded head and foot panels.
- Under bed lighting (two positions).

2. WARNINGS & CAUTIONS

It is **important** that this User Manual is read in its entirety prior to the operation of the bed. The manual is designed to ensure that users are equipped with the information required to competently and responsibly operate the bed and its accessories.

It is recommended that the User Manual be kept in an easily assessable place for quick reference. If required FranceBed product specialists can provide additional training.

All warnings and cautions within this manual should be strictly adhered to. Failure to do so could result in harm to the patient, or operator.

Warnings highlighted throughout this manual identify possible hazards in procedures or conditions, which if not followed correctly could result in serious injury or fatality.

Cautions highlighted throughout this manual identify possible hazards in procedures or conditions, which if not followed correctly could result in equipment damage or failure.

GENERAL WARNINGS

- Electrical equipment can be hazardous if used incorrectly.
- Do not use electrically operated beds in the presence of flammable gases.
- Do not use electrically operated beds in operating theatres.
- Use the bed to support one patient only. The Profile 4DL bed is intended for one person use and may become unstable if used incorrectly.
- It is recommended that the bed be positioned at its lowest height when unattended by caregivers to minimise the risk of patient injury from falls when getting in and out of the bed.
- Residual current devices (RCD) are not supplied with the Profile 4DL bed. Please consult with your Biomedical Engineer/advisor concerning RCD requirements.
- The safe working load of the Profile 4DL bed is 250Kg. This includes the mass of the patient, mattress and any accessories fitted to the bed.
- Do not place the handset or power cord across the mattress surface of the bed. When the bed is not connected to mains power always store the power cord within the power cord fixtures fitted to the bed.
- Do not use accessories that are not designed, or approved for use with the Profile 4DL bed.

GENERAL SAFETY WARNINGS

- Always use a mattress of the correct size and type. A range of suitable pressure reducing and pressure relieving mattresses are available from FranceBed.
- Before operating the bed make sure that the patient is safely positioned to avoid entrapment.
- Before transporting the bed make sure the power cable is disconnected from mains power and the bed is at a suitable height to move without stooping, or straining.
- Always apply the brakes when the bed is stationary.
- When the patient's condition could lead to patient entrapment the mattress support platform should be left in the flat position whilst unattended.
- The clinically qualified person responsible should consider the age, size and condition of the patient before using the bed and its accessories.
- Always ensure that all hospital lines and power cables are free from possible entanglement with mechanical parts of the bed.
- Always ensure that attendant and patient limbs are free from potential entrapment areas before operating any functions.
- Side Rails must only be used with a mattress of the correct size which is approved for use with the bed.
- The maximum mattress thickness for the Profile 4DL is 170mm.

3. ELECTRICTRONIC FUNCTIONS

WARNING

- Ensure that the patient, caregivers and other equipment is not positioned to become either trapped, or crushed during bed adjustment.
- Ensure that the coiled power lead is not stretched excessively
- Ensure that the handset cable and electrical supply cable cannot become entangled with moving parts of the bed.
- **DISCONNECT** the electrical power cable from the mains and store before transporting the bed.
- If the power cable shows any sign of damage, replace immediately.
- Some functions may cause injury to the patient if unintentional movement occurs. See Nurse Control Panel (ACC) instructions for handset lockout to avoid unintentional movement.

CAUTION

- Do not operate the bed controls for more than the control systems prescribed duty cycle (i.e. 6 minutes during a 60 minute period).

The Profile 4DL bed adjustments are powered by four electric actuators:-

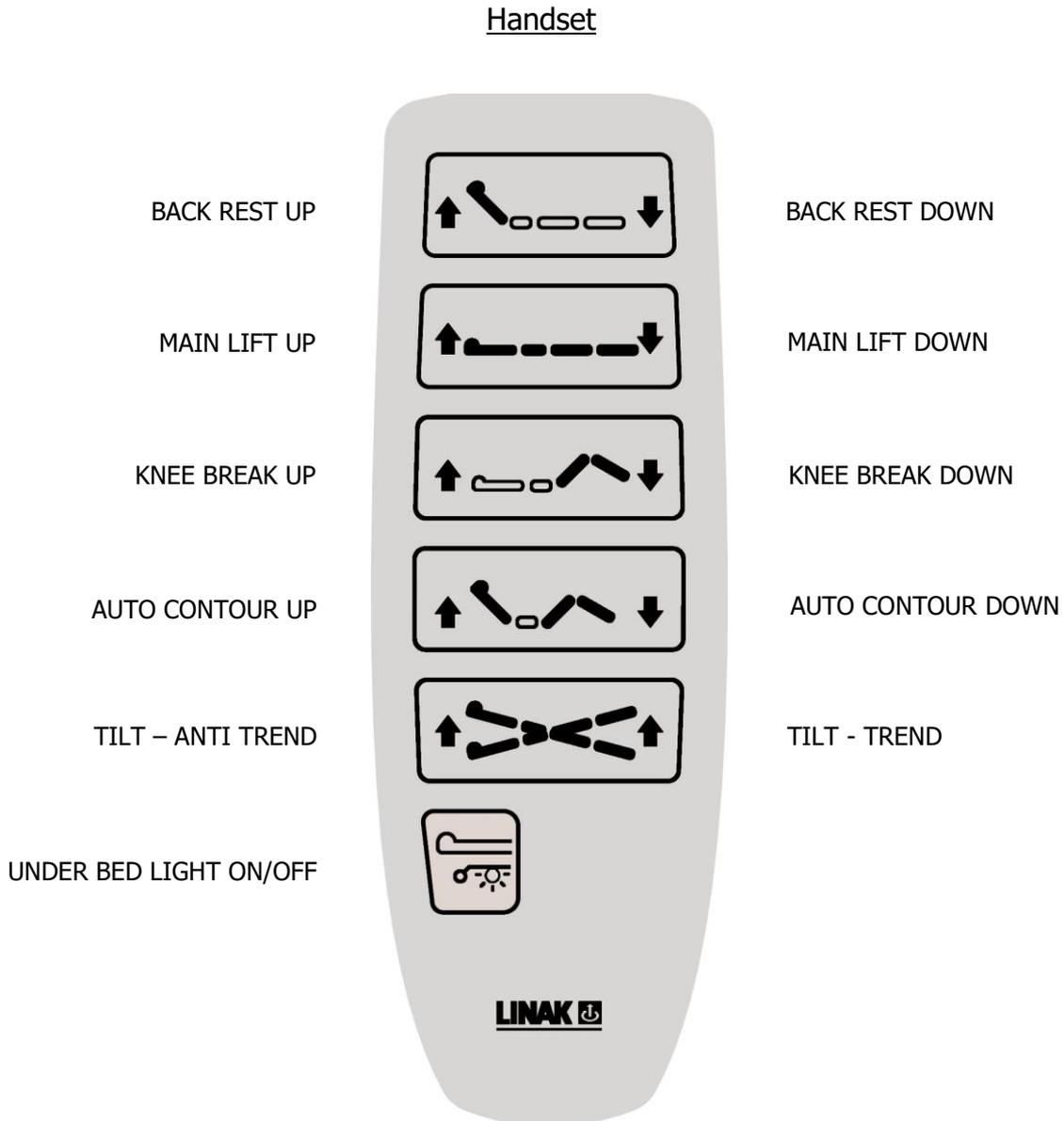
- The mattress frame height adjustment uses two actuators working in conjunction and separate to each other creating the vertical lift and enabling the bed to tilt in opposite directions.
- The backrest adjustment actuator includes an inbuilt manual quick release CPR function as well as a disengaging spline drive that only uses force in the push direction.
- Knee raise actuator

The actuators are controlled by the buttons inset on both sides of the head end side rail panels. They can also be controlled by the Nurse Control Panel (ACC) at the foot of the bed, which also enables the head side rail panel buttons to be disabled when required.

3. ELECTRICTRONIC FUNCTIONS - Continued

3.1 Nurse Handset Button Operation

Adjustment occurs only while a button is pressed. Adjustment will stop when the button is released, or the movement selection reaches the end of its range of adjustment.



3. ELECTRICTRONIC FUNCTIONS - Continued



3.2 Backrest Adjustment

To move the backrest up or down, press and hold the appropriate button on the handset. The backrest can be adjusted through a range of between 0° and 65°.

The retracting backrest provides additional comfort for the patient by allowing the mattress to expand. When operating the backrest or cardiac positioning handset buttons the backrest slides progressively towards the head end of the bed. This action enlarges the seat section of the bed and helps prevent compression of the abdomen reducing shearing and risk of tissue damage.

WARNING

Care should be taken whilst operating the backrest function to ensure hands and fingers are away from potential squeeze hazards.



3.3 Mattress Platform Height Adjustment

To move the mattress platform up or down, press and hold the appropriate button on the handset. The beds platform height can be adjusted through a range (**depending on castor choice**) of 385mm low height to a high height of 840mm.

WARNING

It is recommended that the bed be positioned at its lowest height when unattended by caregivers to minimise the risk of patient injury from falls when getting in and out of the bed.



3.4 Knee Positioning Adjustment

To move the thigh positioning section up and down, press and hold the appropriate button on the handset. The thigh section is adjustable through a range of 0° to 35°, which provides adjustable support to the patient's legs.

3. ELECTRICTRONIC FUNCTIONS - Continued



3.5 Auto Contour Positioning

Auto Contour Positioning provides synchronised movement of the backrest and knee positioning in one operation. The position helps provide a more natural resting environment for the patient.



3.6 Tilt Positioning - Trendelenburg/Reverse Trendelenburg

The tilt button allows the bed to be positioned in a foot or head down tilt position. Tilt positioning achievable is between 0° and 14° for both head and foot down tilting.

CAUTION

The Trendelenburg function should only be used under professional supervision.

- In use the mattress platform may initially rise before tilting. The bed will automatically adjust to ensure there is sufficient clearance between the mattress platform and the mechanical structure of the bed before tilting.
- When reversing the tilt angle of the bed with the tilt button remaining depressed the mattress platform will pause at horizontal for two seconds before continuing on with its tilting movement



3.7 Under Bed Lighting

The under bed lighting feature provides a soft LED illumination of the floor beneath the bed carriage. This safety feature provides floor illumination for patients at night when getting in and out of bed. In the event the bed is operating on battery power (e.g. during transport) the lights will power down after approximately 2-3 minutes.

3. ELECTRICTRONIC FUNCTIONS - Continued

3.8 Nurse Control Panel (ACC)



The Attendant Control Panel (ACP) is used to prevent unauthorised operation of the beds main functions. The ACP is located at the foot end of the bed.

1. Pressing **"BED LEVEL & UP"** will raise the deck until it is horizontal while simultaneously lowering the backrest and knee break back to a flat deck position.

Pressing **"BED LEVEL & DOWN"** will lower the deck until it is horizontal while simultaneously lowering the backrest and knee break back to a flat deck position.

2. Pressing **"CHAIR POSITION & UP"** will raise the head and lower the foot of the bed while simultaneously raising the backrest and knee break to create a seated position.

Pressing **"CHAIR POSITION & DOWN"** will lower the head and raise the foot of the bed while simultaneously lowering the backrest and knee break back to a flat deck position.

3. Pressing the Electronic Patient Positioning **"EPP"** button will automatically level all functions of the bed back to a flat deck position whilst lowering the bed to a safe working height.

CAUTION

When the emergency patient positioning (EPP) function is activated care should be taken when there is potential for moving parts of the bed to either trap or crush the patient, caregivers and or other equipment.

4. Pressing the **"TRENDELENBURG"** button will lower the head and raise the foot of the bed to the maximum tilt of 14°, while simultaneously lowering the back rest and knee break back to a flat deck position – **NO** pause if passing through horizontal.

Note: It is **NOT** necessary to push the 'up/down' buttons when operating the EPP or TRENDELENBURG functions as these are programmed to operate directly from the associated button.

3. ELECTRICTRONIC FUNCTIONS - Continued

5. **ACP Lock Out Function:** This facility allows users to selectively disable some, or all of the electrical features of the bed. In normal operation the key functions of the bed should be in an (unlocked) state of use. This is indicated on the ACC panel by LED lights above the function buttons.

To lock and unlock each function hold the "key" button and at the same time press the function button that is required to be locked or unlocked. An LED light will illuminate when the function is in the locked position.

6. **Battery Charge Indicator:** LED illuminates when the battery is in charge mode.

3.9 Battery Backup Function

The Profile 4DL is fitted with a battery backup system which allows the electrically operated functions to be used for short periods when the bed is disconnected from mains power. The bed switches between mains and battery power automatically.

The battery is lead-acid and should be charged regularly and not be allowed to discharge fully. Fully discharging the battery will cause a reduction in battery life.

To charge the battery, connect the power cord to the mains supply. This should be done as often as possible to maximise battery life. If the bed is not used for a long period of time it is recommended that the batteries are charged in accordance with the section on Transportation and Storage within this manual (see page 24).

WARNING

Do not expose the battery to open flame or immerse in liquid.

NOTE: The beds batteries should be charged for 24 hours prior to first use.

NOTE: Keep the bed plugged to a mains power source for optimum performance.

NOTE: Bed adjustment will be slower when the power cord is unplugged and the bed is powered from its batteries.

NOTE: Power cord storage is located at the head end of the bed. The cable should be stowed when the bed is unplugged or in transport by wrapping around the "cord minder" hooks.

4. GENERAL BED OPERATION

4.1 Drop Down Split Side Rails

The fitted drop down split side rails have two positions, either fully raised or fully down. When the side rail is raised to its full height position it will automatically lock to its fully raised position. The lock position is clearly audible.

The drop down side rails are fixed (bolted) in to place and are hard wired to the beds control system and so are not removable. It is highly recommended that only trained technicians carry out maintenance on the Profile 4DL drop down split sides.

WARNING

Do not operate side rails when there is potential of entrapment or crushing to the patient, caregivers, visitors and/or other equipment.

Side Rail Operation

To raise the side: Lift the top of the rail until the spring loaded lock mechanism automatically clicks into its locked position at maximum height.

To lower the side: Hold the top of the rail near the middle **(1)** and gently pull forward the rail release handle **(2)**. As the rail begins to lower the handle can be released and the rail can be gently lowered to its down position. The rails are mechanically dampened for safety and ease of use.



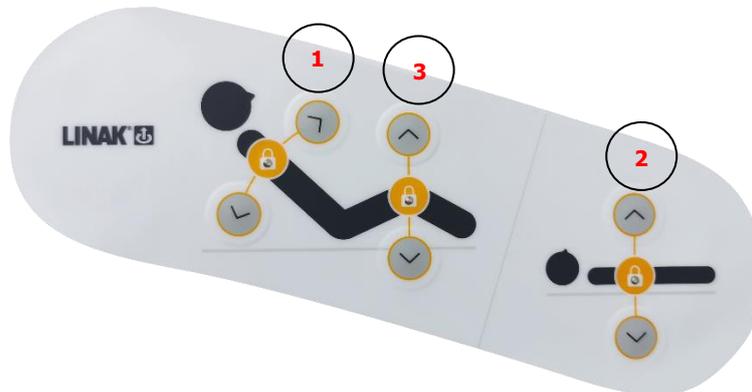
WARNING

- Care should be taken whilst operating the side rails to ensure hands and fingers are kept away from potential squeeze hazards.
- Side rails should only be used after clinical assessment and within organisational policy and guidelines.

4. GENERAL BED OPERATION - Continued

Side Rail Control Panels

The head end rails have electronic controllers fitted to both the inside and outside of the bed for patient and nurse use. The button movements are easily recognisable and are a push to go function for easy and safe operation.



1. **Backrest Adjustment:**

To move the backrest up or down, press and hold the appropriate button on the control panel. The backrest can be adjusted through a range of between 0° and 65°.

2. **Mattress Platform Height Adjustment:**

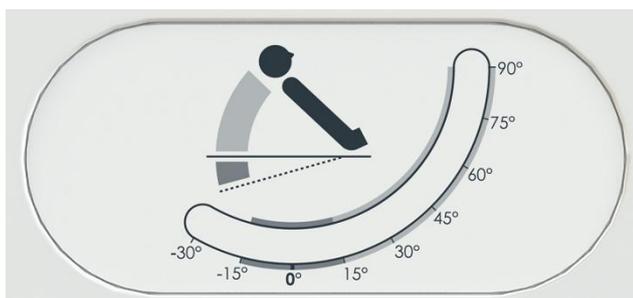
To move the mattress platform up or down, press and hold the appropriate button on the control panel. The beds platform height can be adjusted through a range **(depending on castor choice)** of 385mm low height to a high height of 840mm.

3. **Knee Positioning Adjustment:**

To move the thigh positioning section up and down, press and hold the appropriate button on the control panel. The thigh section is adjustable through a range of 0° to 35°, which provides adjustable support to the patient's legs.

4. **Back Rest Angle Indicator:**

Provides an accurate reading of the beds back rest angle. When the back rest is in its flat position the angle indicator also provides an approximate tilt degree indication also.



4. GENERAL BED OPERATION - Continued

4.2 Manual Cardiopulmonary Resuscitation (CPR) Function

A clearly marked emergency CPR release handle is available on both sides of the bed. The manual release function returns the beds backrest to a level position in the event of emergency resuscitation being required.

Emergency Lowering: To lower the backrest in an emergency, pull up on the red CPR release handle (1). The handles are positioned at the side and towards the head of the bed. The lowering movement is assisted by a gas damper, but **CAUTION** is required as the backrest may lower quickly under patient weight.

In addition to the CPR lever there is an Electronic Patient Positioning (EPP) button on the Nurse Control Panel (ACC). This button will drive the bed deck into a low flat horizontal position automatically, regardless of the beds configuration before starting the movement.



WARNING

The backrest can fall quickly - keep hands clear to avoid trapping.

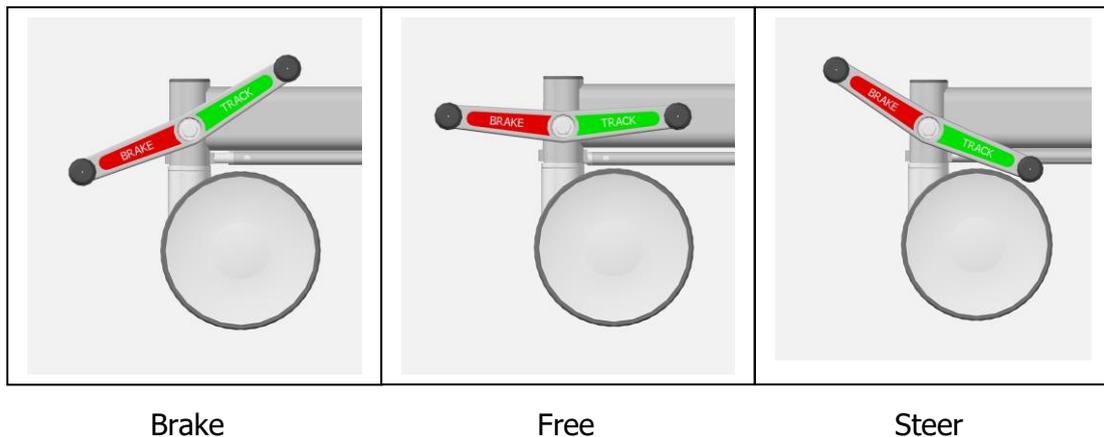
4. GENERAL BED OPERATION - Continued

4.3 Castor System - Brakes & Steering

The Profile 4DL bed central locking castor system is operated by the use of foot pedals found at the foot end of the bed.

- With the pedals in the **Red - Down Brake** position the brakes are applied to all four castors of the bed simultaneously and the bed is immobilised.
- With the pedals in the **Horizontal Free** position the brakes are released and the bed can be moved in any direction.
- With the pedals in the **Green - Down Steer/Track** position, a single steering castor at the head end of the bed is engaged to provide better control when pushing the bed in a straight line.
- When moving the bed, push from the foot end holding the panels top push rail.

Central Lock Pedal Positions



CAUTION

- Disconnect the bed power cord before moving the bed.
- Do not remove the power cord from the source by pulling on the cord.
- Do not use the beds side rails to manoeuvre the bed.
- Do not pull on the power cord, or handset cord to manoeuvre the bed.
- Always apply the brakes when the bed is in a stationary position.

4. GENERAL BED OPERATION - Continued

4.4 Head and Foot Panels

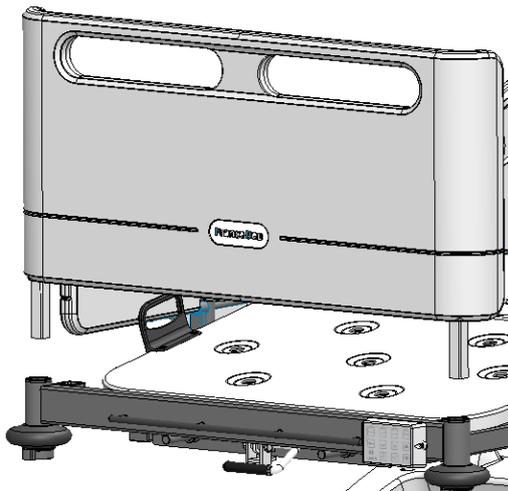
The Profile 4DL head and foot panels are easily removable from the bed allowing quick access to the patient. There are no clamps or screws that are required to be adjusted before removal.

Installation & Removal

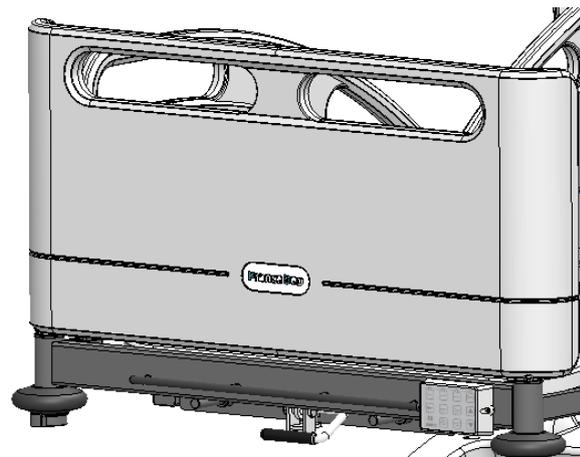
The panel includes a decorative infill to one side. There is no specific way in which the panels are to be fitted as they are both interchangeable and therefore cannot be placed incorrectly. Generally the infill face of the panel is fitted to face towards the foot of the bed providing a more pleasing aesthetic appearance.

To Install: Using two hands align the panels bottom tubes with the beds corner sockets as shown in the below diagrams. Lower the panel gently until it seats at the bottom of the beds plastic corner sockets.

To Remove: Reverse the above procedure.



Panel Aligned



Panel Fitted

CAUTION

Always install and remove the head and foot panels in line with the facilities Manual Handling Procedures and Policies.

4. GENERAL BED OPERATION - Continued

4.5 Bed Extension



The integral bed extension is located at the foot of the bed and is extendable to 19.5cm from its normal closed position.

To Extend: Apply the central locking brakes. Pull up on the Release Handle and applying a central force pull out from the mattress platform. The Bed Extension automatically locks when fully extended and the latch lever is released.

To Close: Reverse the above operation.

4. GENERAL BED OPERATION - Continued

4.7 Calf and Thigh Panel Adjustment

The calf panel angle can be manually adjusted whenever the thigh section of the mattress platform is raised.

The thigh section is adjustable through a range from 0° (flat position) to 35° fully elevated. This can be achieved using either the bed's handset, head panel control panel, or the ACC unit at the foot of the bed.

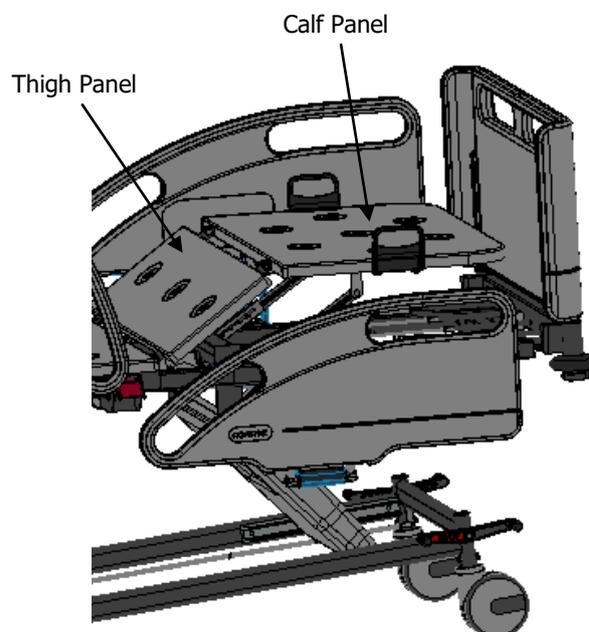
The calf panel is adjustable through a range of 0° (as per below example down to 25°

To Raise:

Using the mattress retainer handle pull the calf panel up slowly to a position slightly past the desired position. The calf panel struts will produce a clicking sound as the spring loaded locking mechanisms travel past the range of available lock positions. Once the desired position has been reached gently allow the calf panel to lower. The lock mechanisms will automatically find the first available position.

To Lower:

Again using the mattress retainer handle pull the calf panel upwards to release the spring lock mechanism. This will now allow the panel to be gently lowered to the desired level.



CAUTION

Ensure correct lifting methods are used when adjusting the calf positioning panel.

5. PROFILE 4DL BED SPECIFICATIONS

Dimensions

Overall Length	218.5cm
Overall Length Base Extension Extended (19.5cm)	238cm
Bed Extension Length	19.5cm
Linen Rack (Bed Stripper) Extension	30cm
Mattress Surface Length - Between Panel Faces	203cm
Mattress Surface Length - Extended	222.5cm
Overall Width	101cm
Deck Height Range – Tente Twin 150mm Castors	38.5cm to 84.0cm
Trendelenburg Tilt	0 to 14°
Reverse Trendelenburg	0 to 14°
Backrest Angle Adjustment	0 to 65°
Knee Break Angle Adjustment	0 to 35°
Calf Positioning Angle Adjustment	0 down to 25°

Mattress Size Dimensions

Mattress Size Maximum	W=87cm L=200cm H=15cm
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Product Weight (approximate)

Without Side Rails Fitted	130Kg
With Side Rails Fitted	160Kg
Safe Working Load S.W.L Safety Factor = 2 x S.W.L	250Kg

Electrical Data (230V)

Power In	2.5 A max. At 220V ac 50Hz
Duty Rating	Intermittent 10%, Max 2 min / 18 min
Electric Shock Protection	Class 1 Type B ⚡
Liquid Ingress Protection	IPX4
Internally Powered Equipment (Battery Backup Only)	2 x 12V Series Connected Batteries Sealed, Rechargeable Lead/Acid Gel 1.2 amp hrs.

Standards

The Profile 4DL acute care bed has been built to comply with International Standard IEC 60601-1 Section 9 and IEC 60601-2-52 Section 9 (Edition 3.1 2012-08)
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6. CLEANING

WARNING

Before cleaning always disconnect the bed from the mains power source.

Note: It is strongly recommended that protective clothing be used when carrying out cleaning processes on the Profile 4DL bed.

Note: The following procedure also applies to the beds accessories, but does not include mattresses.

- Wipe the beds surfaces with a soft cloth moistened with hot water and mild detergent (or the hospital's recommended cleaning solution). It is recommended that the cloth be a white material to prevent bleeding of die colours to the bed. Take extra care in areas that can harbour dirt or dust.
- Rinse with clean water and a dry clean cloth.
- To remove potentially infectious materials such as body fluids, or when the bed has been used by someone with a known infection. Clean with NaDCC (e.g. Presept, Actichlor) at 10,000 ppm of available chlorine. Rinse and dry.
- Allow the cleaned parts to dry before replacing the mattress.

CAUTION

Do not use abrasive Hypocarbonate or Phenolic compounds or pads.

7. MAINTENANCE

The following preventative maintenance procedures should be carried out every 12 months.

Note: Other than general maintenance activities all other service or repair work must be performed by qualified and trained persons who are approved by FranceBed.

WARNING

The bed must be disconnected from the mains power supply before starting any maintenance activity.

GENERAL

1	Set the Attendant Control Panel (ACC) lockout switches to locked. Refer to ACP instructions in this manual (page 9).
2	Examine the bed for obvious signs of damage. All aspects of the equipment should operate as intended. Check that all nuts, bolts and other fasteners are tight and are not missing.
3	Examine flexible cables and conduits for cuts, cracks, abrasions or other deterioration.
4	Check that the power supply plug is not damaged. If either the power cable or plug is damaged then both the cable and plug must be replaced as a complete assembly by an approved service agent.

CENTRAL LOCKING SYSTEM

1	Apply the brakes and push the bed forwards. If any of the four braking castors rotate the brake is not fully effective.
2	Check the two steering lock castors for correct operation.
3	If either the brakes or the steering locks are not working correctly contact an approved service agent.

7. MAINTENANCE – Continued

BATTERIES	
1	A beeping sound heard during normal bed operation means that the battery is at low charge. Reconnect the bed to the mains power supply for a minimum of 24 hours. If the problem reoccurs use step 2 below for verification.
2	<p>Check the batteries condition every six months using the following procedure:-</p> <ol style="list-style-type: none">1. Make sure that the bed has been connected to the mains power supply for an uninterrupted 24 hour period.2. Disconnect the bed from the mains power supply.3. Apply a load of approximately 80Kg to the mattress platform.4. Raise and lower the mattress platform from minimum low height to maximum high height three times.5. If the bed does not operate correctly in step 4, perform steps 1 to 4 again. If the bed continues to operate incorrectly the batteries may need replacing. In this situation consult an approved service agent.
SIDE RAILS	
1	<ul style="list-style-type: none">• Inspect the side rails for general wear and tear on fittings and pivot joints every six months.• Check for rust, structural integrity of welds and paint finish every twelve months.
2	Raise the side rail to the upright position until the locking mechanism clicks into place. Refer to the operating procedures on page 11 of this manual for further instruction. Ensure that the rail cannot be pulled out of the locked position without unreasonable force being applied.

7. MAINTENANCE - Continued

PATIENT/NURSE HANDSET CHECKS	
<p><u>Patient</u></p> <p>Between each patient, FranceBed strongly advises that the Preventative Maintenance checks are conducted on the internal side rail patient control panel.</p> <p><u>Nurse</u></p> <p>FranceBed strongly advises that the Nurse Handset is visually inspected for obvious damage before each use if practicable. When using a specific function staff should be aware of, and checking for, any of the symptoms listed in point 3 below.</p> <p><u>Preventative Maintenance Checks</u></p> <p>FranceBed recommends that the full check and testing regime is conducted between each bed use, or worst case during annual preventative maintenance. This should take no more than one (1) minute to complete.</p>	
1	<p>Visual Inspection of Control Panel & Handset Casing</p> <p>1.1 Inspect the outer plastic casing for any obvious cracks or damage.</p> <p>1.2 Inspect for damage to the front cover (outer label) particularly over the buttons where the label may be torn or indented.</p> <p>If any damage is identified while conducting checks 1.1 and 1.2, immediately lock out the handset using the ACP and report the damage to maintenance staff or replace the Handset.</p>
2	<p>Visual inspection of the cable and Cable insulation</p> <p>2.1 Inspect the cable for any nicks or cuts in the insulation</p> <p>2.2 Inspect for any evidence that the cable may have been squashed/flattened.</p> <p>Squashed or flattened cables may indicate a possible break in the internal conductors or insulation causing conductors to short together which could cause unwanted movement of the bed. Any handsets that are found with obvious damage to the cable insulation, immediately lock out the handset using the ACP and report the damage to maintenance staff or replace the handset.</p>
3	<p>Tactile inspection of the buttons:</p> <p>All buttons should be operated and response tested. Depress each button on the handset. Each button should have a positive audible click that is also felt. The function being pressed should also operate.</p> <p>If the button:</p> <ul style="list-style-type: none"> • does not have a click feel • does not have an audible click sound • does not immediately operate the function • feels soft offering no resistance • feels different to the rest of the buttons • travels further when depressed <p>Immediately lock out the handset using the ACP and report the damage to maintenance staff or replace the Handset. Quarantine the bed and contact a FranceBed approved Technician.</p>

8. TROUBLE SHOOTING

Symptom	Possible Cause	Action
All actuators fail to work	Power disconnected or batteries discharged	Ensure mains supply lead is connected
	Control box and handset plugs disconnected	Check the plugs are fully inserted in the control box and in the ACP at the foot of the bed. Check that plugs are fully inserted in the sockets on the deck frame. Check that the handset controls are not deactivated on the patient lockout facility (ACP)
	Blown fuse	Contact FranceBed Service Department.
	Damaged handset cable	Replace handset
One actuator fails to work	Actuator plug disconnected	Check that actuator plug is fully inserted in control box. Check that the handset controls are not deactivated on the patient lockout facility (ACP)
Main Lift Actuators fail to work and an audible beeping sound can be heard when handset is activated	Control box requires calibrating possibly due to bed being operated when batteries were fully discharged	Ensure mains power lead is connected and carry out calibration procedure.
Brakes or steering lock not effective	Wear or damage	Adjust or replace castor
Backrest CPR release not effective	Release mechanism not correctly adjusted	Check and re-adjust

9. TRANSPORTATION AND STORAGE

Handle with care.

The Profile bed should be stored in a clean, dry well ventilated area.

Do not drop and avoid shock or violent impact when transporting.

The following limits apply during transport and or a storage period of up to 15 weeks duration:

Ambient temperature	-15°C	To	+60°C
Relative humidity	10%	To	75%
Air pressure	50 kPa	To	106 kPa

The following limits apply to normal operating conditions and or periods of storage longer than 15 weeks:

Ambient temperature	+10°C	To	+40°C
Relative humidity	30%	To	75%
Air pressure	70 kPa	To	106 kPa

When storing the bed, or when the bed is not in use for prolonged periods of time it is recommended that the beds battery system be maintained periodically using the following guidelines:-

Storage Temperature	Charging Interval
20°C or less	Charge batteries for 24 hours every 9 months.
20 to 30°C	Charge batteries for 24 hours every 6 months.
30 to 40°C	Charge batteries for 24 hours every 3 months.

10. PROFILE 4DL BED ACCESSORIES

There are a range of accessories to suit the Profile 4DL bed available from FranceBed. As well as the below listed equipment FranceBed also specialises in static foam and air pressure mattresses.

Please contact FranceBed for details.

Accessories that may be used on the Profile 4DL bed:

Product Code	Description
SP001	Self Help Pole - (Includes Strap & Handle, Powder Coated Finish)
SP002	Self Help Pole - (Includes Strap & Handle, Stainless Steel Finish)
IV110	IV Pole – Stainless Steel Finish
CTK02	"C" Size Oxygen Bottle Holder - Clamps to Head or Foot End of Profile Bed
CTKXCAS	X-Ray Cassette - Fits to Profile Bed Backrest

WARNING

Do not use accessories that have not been designed for use with the Profile 4DL.

11. WARRANTY AND SERVICE

FranceBed's standard terms and conditions apply to all sales. A copy is available on request. These contain full details of warranty terms and do not limit the statutory rights of the consumer.

For service, maintenance and any questions regarding this or any other FranceBed product please contact:

Product Name	Electric Bed	Model/SPEC	See cover		
Registrant/manufacturer	FranceBed Co., Ltd, Japan				
Address/zip code	2F, 4-1-16 Roppongi, Minato-Ku, Tokyo, 106-0032, Japan				
Phone	+81-3-5549-2937	Fax	+81-3-5575-2369		
Production license no.	Guangdong Food and Drug Administration Production No. 20162904				
Warranty of product	1 year	Warranty of Battery	1 year	Warranty of Castor	1 year
After-sales centers	FranceBed Co., Ltd location office or distributor				
Website	https://www.francebed.co.jp/eng/				