

**CONFYCARE®**

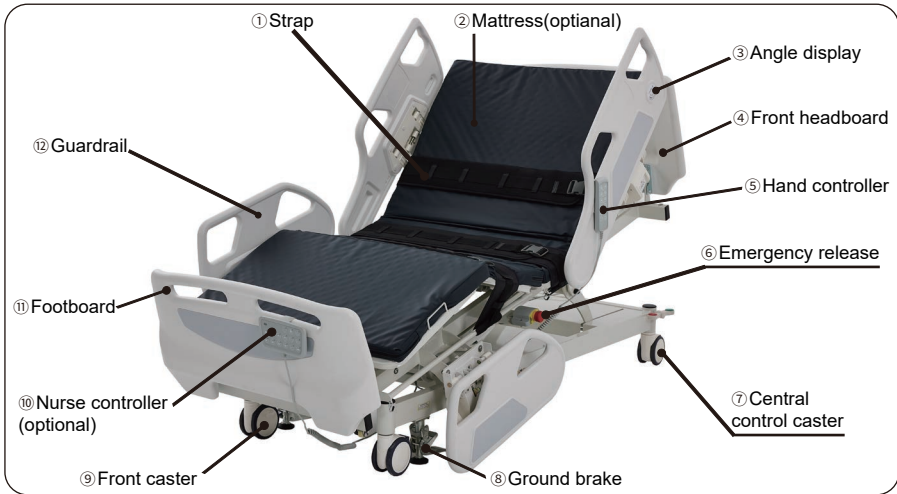


**JF-D69Z**  
**Tilting Hospital Bed**  
**USER GUIDE**

# 1. Product performance, main structure composition, working principle, working conditions, applicable scope and contraindication , etc

## 1.1 Product structure and composition

The electric hospital bed is a combined electric-driven device with a network power supply and an internal power supply. It consists of bed surface part (back board, seat board, leg board, foot board), bed frame part (front and rear headboards, left and right guardrails), lower bed frame part (lifting mechanism, central control mechanism, casters), electric control part (lifting and lowering Motor, back plate motor, leg plate motor, upright motor, opening and closing motor).



## 1.2 Product main specification

Main material	Whole bed steel structure, guardrail material PP, bed panel material PP or steel platerial
Bed size	Length: 2150mm (±50mm); width: 1020mm (±20mm) Outer edge size
Matrass size	Length: 1950mm (±50mm); width: 900mm (±20mm)
Height (bed from ground)	480mm - 780mm (±50mm)
Height (tilting top to ground)	2300mm (±50mm)
Casters	Two central control casters with a diameter of 5 inches; two casters with brakes, two ground brakes
Back board adjustment angle	0-73° (±5°)
Leg board adjustment angle	0-30° (±5°)
Front and rear tilt angle	13° (±2°)
Safe working load	1750N
Maximum tilt angle of bed	85° (±2°)
Maximum static load	≤175KG
Net weight	145KG
Working noise	≤65dB(A)
Storage battery	Capacity 12V 1.3AH x 2pcs
Power	AC 220V 50Hz

### 1.3 Product function

- Back lifting; - Leg lifting; - Vertical lifting; - Front tilting; - Back tilting; - Perform CPR. - Bed upright

### 1.4 Product feature

- Back angle ( $0-73^{\circ}\pm 5^{\circ}$ ), knee angle ( $0-30^{\circ}\pm 5^{\circ}$ ), height adjustment (780mm-480mm ( $\pm 50$ mm)), tilt ( $13^{\circ}\pm 2^{\circ}$ ) and reverse tilt ( $13^{\circ}\pm 2^{\circ}$ ), the posture of the bed is realized by electric operation, and it is equipped with indicator lights to display the execution status of the function.
- An emergency stop button is installed on the right side of the patient's bed to stop the movement of the bed in an emergency.
- Equipped with a battery to deal with emergencies such as power outages.
- Use the central control brake when standing upright, and add a dedicated ground brake, which is more secure and reliable.
- A circular degree display sticker is designed on the guardrail. The circular display sticker is engraved with the degree of inclination, and there are steel balls in it. When the bed panel is inclined, the degree of circularity. The steel ball in the digital display will scroll to the corresponding position with the tilt angle, and has the function of displaying the degree of tilt.
- The back panel of the bed has a quick release function. After the back panel is folded up, you can quickly return to the horizontal position by pulling the CPR wrench.

### 1.5 Working principle

The drive motor in the electric push rod is decelerated by the worm gear, and then the rotary motion of the motor is changed into linear motion through the screw and nut structure.

Reverse to complete the putter action. The push rod realizes various actions of the electric hospital bed through the movement of various levers, rockers or connecting rods.

### 1.6 Working condition

The intended use of this product is in hospitals, nursing homes and similar care facilities.

The expected usage environment requirements are as follows:

- a) Ambient temperature range:  $5^{\circ}\text{C}\sim 40^{\circ}\text{C}$ ;
- b) Relative humidity range: 30%-75%;
- c) Atmospheric pressure range: 700hpa~1060hpa;
- d) Power supply: AC  $220\text{V}\pm 22\text{V}$ ,  $50\text{Hz}\pm 1\text{Hz}$ .
- e) Internal working voltage: DC 24V

### 1.7 Scope of application&contraindication

#### 1.7.1 Scope of application

Used during diagnosis, treatment, or monitoring of an adult patient under medical supervision to support the patient's body in a clinically required position.

#### 1.7.2 Target user

It is suitable for adult patients who need nursing and recuperation.

#### 1.7.3 Contraindication

There have been no reports.

## 2. Precautions

- Please be careful not to put your head, hands, feet, etc. into the gap between the guardrail and the headboard and footboard;
- Please do not put your hands (fingers) and feet between the bed body and the bed panel;
- Please do not sneak under the bed, or put your hands and feet under the bed;
- Please do not sit on the side rails of the bed and on the head and tail boards;
- Please do not sit on the rising bed panel;
- Please do not climb, play, jump on the bed or use the bed as a climbing platform
- Please confirm again whether the patient has been fixed by straps before operating the bed to stand upright. The upright operation should be carried out slowly while observing the patient's condition.
- Please do not clamp the power cable, and do not be caught by the power cable on the casters!
- A safety hazard can result if the power cord is not handled properly, such as rollers running over cables or wires, pinching between the head/foot plate assembly and moving parts. Therefore, patients and medical staff should not use the roller to press the cable through the cable, pay attention to the squeezing between the head/foot plate assembly and the movable parts.
- When it is necessary to go under the bed for cleaning and other work, please unplug the power plug.

- When using the guardrail, please check whether the lift is in place to avoid unnecessary danger.
- When installing the headboard and footboard, please be careful to hold it firmly to avoid accidental fall of the headboard and footboard.
- After the electric hospital bed is fixed, please step on the brake; when you need to move the electric hospital bed, you should release the brake first to prevent damage to the casters.
- When patient conditions, such as disorientation due to medication or clinical conditions, may cause the patient to become stuck, the mattress support should be left unattended in a flat position (unless medical personnel circumstances may require otherwise).
- Please note that when unattended, to reduce the risk of injury if the patient rolls off the bed when getting in, out of bed or lying in bed, please place the bed in the lowest position.
- If any moving parts injure people, please turn off the power switch or unplug the power cord immediately.
- Upright training should be carried out gradually from a low angle under the guidance of a professional physician.
- Please do not assemble and use with products other than the designated products, and please do not repair or modify it by yourself.
- Do not use in the presence of flammable anesthetic gas mixed with air or with oxygen or nitrous oxide.
- When not in use for a long time, please unplug the power cord.
- The power cord should be connected to a well-grounded outlet. If the power cord is found to be damaged, stop using it immediately, otherwise there is a danger of electric shock.
- In the event of a sudden power failure, the backup battery power will automatically start, and the handheld controller can be operated for more than ten times of various functions, so as to restore the required functions of the hospital bed urgently.
- Accidentally pressing the function button of the hand control may cause harm to the patient, so before using it, you should click the button to confirm that the operation is correct, and then continue to operate to make the bed reach the desired position of the patient.
- Batteries cannot be used normally after being used or stored for two years. Discarded batteries should be properly disposed of in accordance with relevant national environmental protection requirements to avoid environmental pollution.
- The bed should be checked by professionals at least once a year, and hidden safety hazards should be eliminated in time to reduce the risks during use.

**▲ Please read the entire contents of the user guide carefully before using**

### 3. Installation

- 1) Place the electric hospital bed on a level ground and keep the contact with the ground steady.
- 2) Install the head/foot board assembly:  
Open the bed head/tail board hook, align the bed head and bed tail pins respectively, and fasten the lock. (high headboard and low footboard) (Figure 1).



Figure 1

- 3) The product can work normally when connected to the power supply. Check all the movements with no load, and confirm that the height and angle of the lift are consistent with the given ones, and the operation is stable, and there is no noise or abnormal sound.

### 4. Operation instruction

#### 4.1 Hand controller keyboard function description

- a) The indicator light is on, the hand controller is powered on and can be controlled.
- b) Press it again, the power is turned off, and the hand control cannot work.

- c) **Reset key**----press the bed body to be horizontal, and the bed surface stops at the highest position;
- d) **Power key**----Hand control power switch. Press the power indicator of the hand controller to light up, the hand controller is powered and can be controlled. Press it again, the power turns off, and the hand control doesn't work.
- e) **"Hall sensor reset"** operation:  
Press the "back up" and "leg up" buttons of the hand controller at the same time for more than 3 seconds, the indicator light of the hand controller flashes continuously, and the bed body moves: the bed surface stops at the highest position, the bed legs are retracted, and the bed surface is flat state.

**Note:** (Erect motor and open-leg motor have built-in Hall sensing elements, and occasionally there will be errors in reading data, resulting in uncoordinated actions of erect and open-leg motors. At this time, the Hall sensor needs to be reset to zero)

**⚠ Warning:** When the bed is tilted more than 35 degrees, it is strictly forbidden to perform the "Hall sensor reset" operation. At this time, the bed tilt angle should be adjusted to less than 35 degrees before performing the "Hall sensor reset" operation.

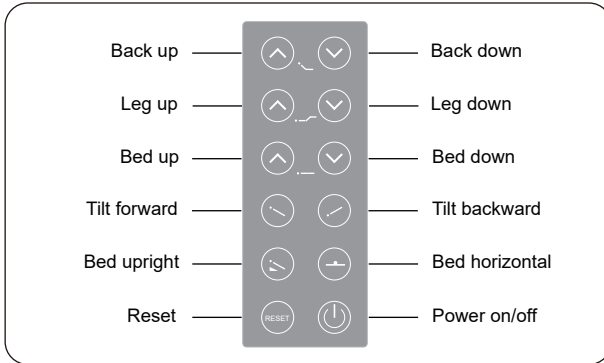


Figure 2 Hand control

#### 4.2 Low voltage alarm

When there is no AC power and battery power supply, the buzzer in the drive box will beep when the battery voltage is lower than 16V. At this time, AC power needs to be connected to charge the battery; when the battery voltage is greater than 16V, the buzzer will automatically stop beeping.

#### 4.3 Casters locking

##### 4.3.1 Rear casters locking

- Step on the red side of the rear casters brake pedal, the casters will be locked.(Figure 3.1)
- Step on the green side, the casters will be unlocked.(Figure 3.2)

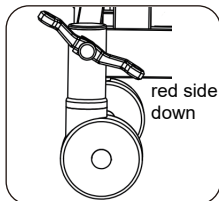


Figure 3.1 Locked

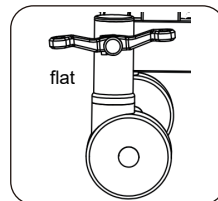


Figure 3.2 Released

##### 4.3.2 Front casters locking

- Step on the brake switch (long handle) of the front casters,the casters will be locked.(Figure 4.1)
- Step on the unlock switch (short handle), the casters will be unlocked.(Figure 4.2)

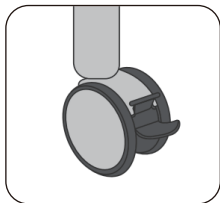


Figure 4.1 Locked

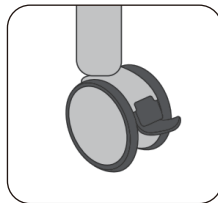


Figure 4.2 Released

#### 4.3.3 Ground brakes locking

After the bed is upright, step on the long handle of the ground brake. The ground brake will extend to complete the positioning brake, as shown in Figure 5.1.

When the upright training is over, step on the short handle of the ground brake. The ground brake will retract and the ground brake will be released, as shown in Figure 5.2.

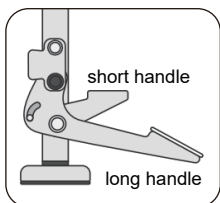


Figure 5.1 Locked

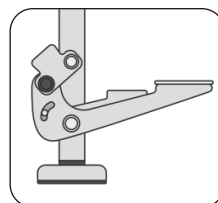


Figure 5.2 Released

#### 4.4 Guardrail lifting

If the guardrail needs to be raised, the guardrail will be automatically locked after being raised to the highest position. To lower the guardrail, please pull the guardrail switch, you can lower the guardrail (Figure 6).



Figure 6 Guardrail switch

#### 4.5 Emergency release of back plate

When the back plate is folded, if the patient has sudden insufficiency of blood supply to the head and needs to change to supine position in an emergency, pull the quick release handle to quickly flatten the back plate (Figure 7).



Figure 7 Emergency release

**⚠ Emergency release operators are limited to medical professionals who are fully aware of the patient's condition and are used only in emergency situations.**

## 4.6 Upright training

### 4.6.1 Preparation

The rear casters of the bed should be locked for upright operation.  
The front casters shall be free to move.  
The ground brakes (foot nails) shall be open.  
There should be adequate space at the front end of the bed.

### 4.6.2 Standing board installation

Position the pad of the standing board toward the patient and insert the two columns of the standing board into the hole in the bed (Figure 8).



Figure 8

### 4.6.3 Patient immobilization straps

Move the patient's foot to a standing board, and secure the patient's knee, span, and chest with straps.  
Pay attention to moderate strength, and observe the patient's affected place, heart, etc., to prevent compression.  
(Figure 9)



Figure 9

### 4.6.4 Hand controller operation

Press the upright button slowly and intermittently, observe the patient's condition at the same time.  
When the required upright angle is reached, turn off the power button and step down the ground brakes to make the bed stable.

### 4.6.5 Operation after training

Release the ground brakes. Press the bed horizontal key slowly and intermittently until the bed is flat.  
Remove the patient immobilization straps and remove the standing board.

## 4.7 Emergency stop button

The emergency stop button is installed on the patient's right hand side in the tilting hospital bed. After pressing the emergency stop button, all movements of the bed will stop immediately. The hand controller will not operate. Rotating the emergency stop button to the right, the red button will pop up. The stop state of the bed will be released. And the bed will resume active function (Figure 10).



Figure 10

- Check and clean the gas struts
- Check and tighten screws (if necessary).
- Grease the parts with friction.
- Check the conditions of the electrical wiring and the socket.
- Check the wheel immobilization system.

## RECYCLING

If you need to dispose of the table or any of its parts or accessories, consult and respect the laws and regulations applicable to waste management and protection of the environment.

## WARRANTY

This warranty shall remain in effect for 5 years (60 months) for the structure and 3 years (36 months) for the base frame and motor from the date of original consumer purchase. An original sales receipt or proof of purchase may be required in order to redeem the warranty.

All repairs to the Product must be performed by a service center certified by CoinfyCare. Any modifications or repairs performed by unauthorized centers or groups will void this warranty. This statement of guarantee prevails over any other statement specified or implied by the seller.

## CLEANING AND DISINFECTION

Before cleaning the table, unplug it from the mains. Clean the table after each use.

Dust the table with a soft, dry cloth.

To clean the upholstery, apply a solution of warm water and a mild detergent (for example, neutral soap) with a well wrung soft cloth. Wipe the table over once cleaned.

Disinfect upholstery and other surfaces with a suitable bactericide for this purpose.

Apply the disinfectant on a soft cloth, never directly on the table.

Never use a mixture of disinfectants or a mixture of disinfectant and soap.

Wipe the table upholstery over once cleaned & disinfected with a cloth and water only. This will remove any residue from the upholstery.

Avoid the accumulation of moisture on the moving parts of the metal structure, as they could rust.

Since we do not know which disinfectant will be used, we cannot guarantee that it will not cause damage to the upholstery. Read the instructions and warnings for use of the disinfectant product carefully before its purchase or use.

## TRANSPORTATION AND STORAGE CONDITION

### Transport condition

The products can be transported by general means of transportation. They should be protected from the sun and rain, and should not be mixed with toxic, harmful and corrosive materials.

### Storage

The packed electric multifunctional physiotherapy bed should be stored in a dry and well ventilated environment without corrosive gas.

## SHUTDOWN PROCEDURE

Adjust the bed to a suitable position to ensure that the patient is safely left, then turn off the power.

### Contraindication

Please note that our beds are not sterilized. Please do not use them according to aseptic standards.

## CONTACT

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