

**CONFYCARE®**

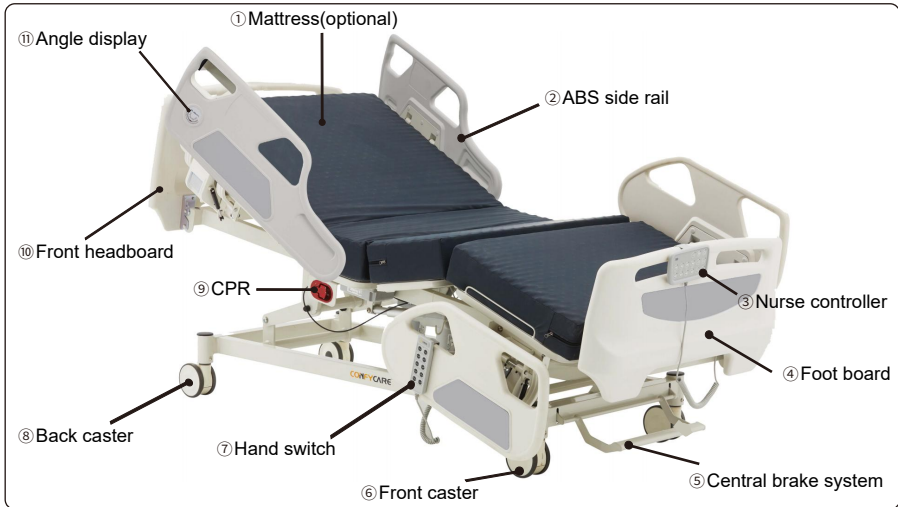


**JF-D49**  
**5 Function Hospital Bed**  
**USER GUIDE**

# 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).



## 1.2 Product main specification

Main material	Whole bed steel structure, guardrail material PP, bed panel material PP or steel material
Bed size	Length: 2200mm (±50mm); width: 1020mm (±20mm) Outer edge size
Mattress size	Length: 1950mm (±50mm); width: 900mm (±20mm)
Height (bed from ground)	420mm - 720mm (±50mm)
Casters	Four central control casters with a diameter of 5 inches
Back board adjustment angle	0-75° (±2°)
Tight board adjustment angle	0-35° (±1°)
Lower leg board adjustment angle	0-10° (±1°)
Front and rear tilt angle	13° (±1°)
Safe working load	1750N
Maximum static load	≤350KG
Net weight	139KG
Working noise	≤65dB(A)
Storage battery	Capacity 24V 1.2Ah x 1pc
Power	AC 100-240V 50Hz

### 1.3 Product function

- Back lifting; - Leg lifting; - Vertical lifting; - Front tilting; - Back tilting; - Perform CPR; - Emergency release.

### 1.4 Product feature

- Back angle ( $0-75^{\circ}\pm 2^{\circ}$ ), knee angle ( $0-35^{\circ}\pm 1^{\circ}$ ), leg angle ( $0-10^{\circ}\pm 1^{\circ}$ ), height adjustment (420mm-720mm ( $\pm 50$ mm)), 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.
- 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 lifting angle, and has the function of displaying the degree of lifting.
- 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 100-240V, 50Hz $\pm$ 1Hz.
- 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 foot board;
  - 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 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 foot board, please be careful to hold it firmly to avoid accidental fall of the headboard and foot board.
- After the electric hospital bed is fixed, please step on the central control caster to lock the caster; when you need to move the electric hospital bed, you should release central control caster.
- 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.
- 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 foot board) (Figure 1).

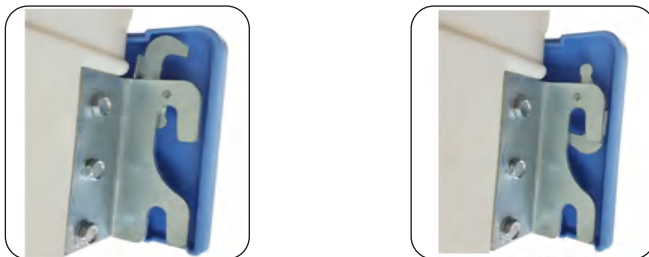


Figure 1

- 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 smooth, and there is no noise or abnormal sound.

## 4.Operation instruction

### 4.1 Hand switch function description

- Connect the hand switch to the control box of bed, the hand switch will be powered on and can be controlled.
- When pressing function key,the indicator light will flash to indicate that it is in control.

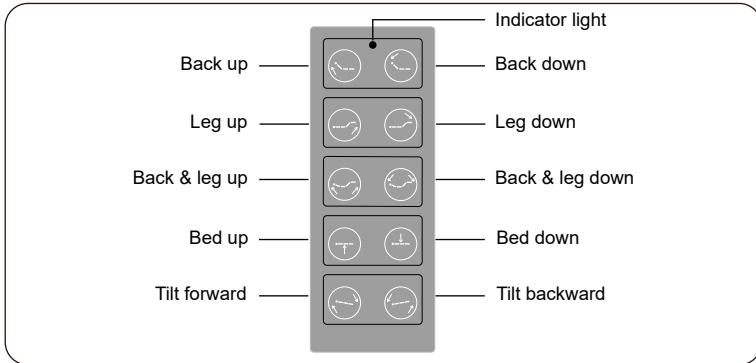


Figure 2 Hand switch

### 4.2 Nurse controller panel function description

- Connect the nurse controller to the control box of bed, the power indicator is light.The nurse controller is powered on and can be controlled.
- Firstly press the button 11-14 to unlock the controller.Then press other function buttons to control.
- Power indicator: 1-30% for one grid,31-60% for two grids, 61-100% fully lit.



Figure 3 Nurse controller panel

- |             |                   |                  |                       |
|-------------|-------------------|------------------|-----------------------|
| 1 Back up   | 5 Back & Leg up   | 9 Tilt foward    | 13 Lock key 7,8       |
| 2 Back down | 6 Back & Leg down | 10 Tilt backward | 14 Lock key 9,10      |
| 3 Leg up    | 7 Bed up          | 11 Lock key 1,2  | 15 One-click reset    |
| 4 Leg down  | 8 Bed down        | 12 Lock key 3,4  | 16 Night light switch |

### 4.3 Moving and adjusting the hospital bed

The metal pedal is lifted up to indicate the movable state of bed.

After moving, please confirm whether the four casters are in full contact with the ground, otherwise step down on the metal pedal to lock the bed.(Figure 4)



Figure 4 Central brake system

#### 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 5).



Figure 5 Guardrail switch

#### 4.5 Emergency stop button

The emergency stop button is installed on the patient's left hand side in the hospital bed. After pressing the emergency stop button, all movements of the bed will stop immediately. The hand controller will not operate.(Figure 6)

- 1) 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.
- 2) When encountering an emergency situation, simply press the emergency stop button switch directly to quickly stop the entire equipment.
- 3) To restart the device, you must release this button, that is, simply rotate it clockwise by approximately 45 ° and then release it.



Figure 6

**▲ When using the hospital bed for the first time, check whether the emergency stop switch is turned on. If not, please turn it on. In daily use, the emergency stop switch is in a normally open state.**

#### 4.6 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.**

## TROUBLESHOOTING

If, during the life of the hospital bed you detect any malfunction or need a repair, contact your dealer and do not use the hospital bed until you have received a diagnosis or the hospital bed has been professionally repaired.

## RECYCLING

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

## MAINTENANCE

Carry out a visual inspection at least once a month to check the general conditions of the hospital bed. Moreover, you must do the following:

- Check the correct adjustment of the different sections.
- Check the proper functioning of the motors and their movements.
- 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.

## CLEANING AND DISINFECTION

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

Dust the hospital bed with a soft, dry cloth.

Disinfect hospital bed with a suitable bactericide for this purpose.

Apply the disinfectant on a soft cloth, never directly on the hospital bed.

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

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 hospital bed. 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 hospital bed should be stored in a dry and well ventilated environment without corrosive gas.

## 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.

## SHUTDOWN PROCEDURE

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

### Contraindication

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

## CONTACT

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