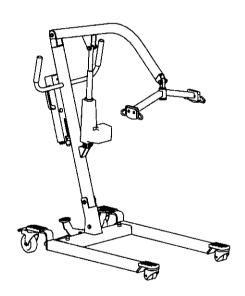
# **Owner's Manual**



Please read this owner's manual carefully before operating your electric patient lift and keep it for future reference. Rev.: V.02

### Dear Customer:

Thank you for our purchasing electric patient lift.

Please read this owner's manual thoroughly before operating your electric patient lift. If there is anything in this manual you do not understand, or if you require any additional assistance, please contact the authorized distributors.

This owner's manual specifies the operation ways and assembling instruction for each part of electric patient lift, and disposal solutions as well in case of accident. Please pay close attention on the warnings, attentions and suggestions.

This user's manual contains: maintenance record and warranty. Please well keep them.

With the change of design, all information and pictures in this owner's manual is subject to ex-factory, please understand and offer your kindly support if there is any change without notice.

We believe our electric patient lift not only give you permanent dependable operation and also enhance the quality of your life, making your life more convenient and splendid.

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## 1.SAFETY

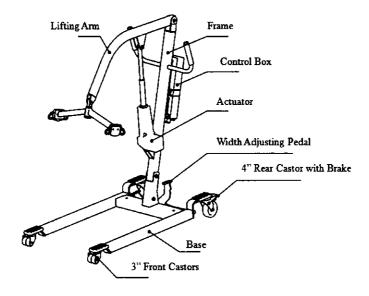
### Safety

### ■ Pre-use of product:

- Assemble the product according to user's manual.
- · Properly fix the actuator onto electric patient lift.
- Charge the battery no less than 4 hours until fully charged.
- Read user's manual carefully until it is fully understood.
- Appropriate guide and training shall be taken on users.
- For the sake of safety and user's need, please select the right model, size, material, slings and accessories.

### 2.PARTS INTRODUCTION

#### PARTS INTRODUCTION



### 3. SPECIFICATIONS

Product Size: 1220x630x1300mm (LxWxH)

Maximum Fork Range: 860mm

Lifting Range: 900±10mm (lowest), 1750±10mm (highest)

Max speed at no load: 8.1 mm/s
Max speed at full load: 5.2mm/s

Input power: DC24V
Motor: 24V/8000N
Load Capacity: 185kg
Net weight: 43kg

Noise: ≤50dB

### 4. INSTALLATIONS

### 1. Inspection and Acceptance

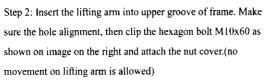
Please verify if there are omissions for parts (checklist for accessories shall be subject to list attached with the product). Once damages or omission happen, please get contact with us or its authorized distributors.

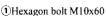
Description	Qty.	Image
Frame	1 set	
Control Box	l pc	
Actuator	1 pc	
Controller + Cable	1 set	<b>a</b>
Open Spanner #16 and #17	l set	N/A
User's manual	1 pc	N/A

### 2. Installation Procedure:

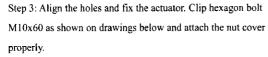
Step 1: Raise up the frame and align the holes. Fix M10x75 hexagon bolt as shown in drawing on the right and have nut properly attached (make sure no movement on the frame)

- ① Hexagon bolt M10x75
- (2) Washer
- 3 4 Nylon locknut M10





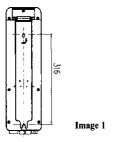
- (2)Washer
- 3 Nylon locknut M10
- 4 Nut cover



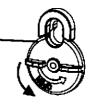
- ①Hexagon bolt M10x60
- 2)Washer
- 3 Nylon locknut M10
- (5) Cover nut

Step 4: Installation of control box

- 1. Fasten the 2 M5x10 screws into threaded holes from frame as shown on image 1.
- Rotate the lock to direction of open. Fasten to control box onto frame and have the upper screws locked (Image 2)
- 3. Rotate the lock 90 degree to the right and lock the control box (Image 3)

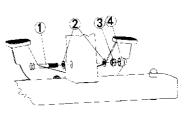


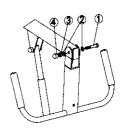


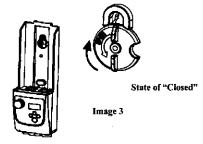




State of "Open"



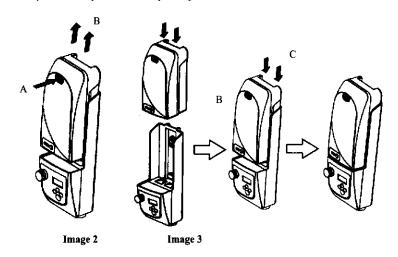




Step 5: Remove and install the battery box

Removal: Press down the switch A and remove battery along direction of B.

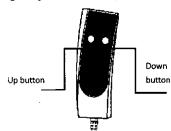
Installation: Place the battery in place (image 2) and press the switch along direction of C. Ensure the battery won't be separated without pressing the switch.



### 5. USER GUIDE

### 1. Use of controller:

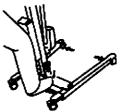
Control the up and down of lifting arm by up and down button on the controller. Patient lift stop working once releasing the up and down button,



### 2. Base Width Adjustment

Width of base is able to be adjusted by pedal.

Slam on pedal on the left for a wider base and to slam on pedal on the right for a narrower base.

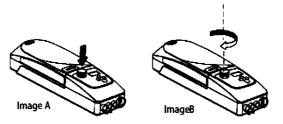


### 3. Emergency Stop Button

Emergency stop button is used for switching on/off the power. It enables the motor stop working immediately in case of danger.

Switch off: press on the red button (see image A), then control device is suspended. Switch on: rotate the red button clockwise (see image B) and control device is activated.

Highly recommended to press on this button provided that patient lift is not in use beyond 3 days to prolong the lifespan of battery.



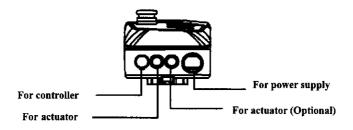
### 4. Emergency descent and ascent

In case of malfunction on the controller or no controller, to press the ascent and descent button to get the actuator back in place.



### 5. Connection of Control Device

There are 4 ports on the control device, 1 for controller, 2 for actuator and the rest 1 for power supply.



### 6. Manual emergency descent and ascent

Rotate the red sleeve along the direction of arrow to get manual emergency descent, the reverse to manually ascend.

### 7. Lock and unlock of rear wheel

Rear wheels can be locked for no movement. Operate with your foot to lock and unlock the rear wheels.

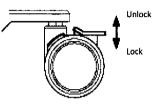
Attention: It is unnecessary to lock the rear wheels for most of ascent and descent movement. We suggest only to lock the wheels when patient lift moves and may cause personal injury. Warning: to lock the real wheels of patient lift increase the risk tipping during the ascent and descent movement.



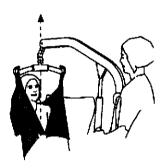
### 8.1 Safety Operation

Keep the lifting arm and body vertical.

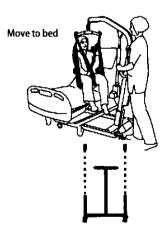
For more details, please refer to Placement location of patient lift". Make sure the operation of patient lift is correct each time. Warning: An imbalance of ascent creates the risk of dumping.



of



### Placement location of patient lift





Move to wheelchair or commode

Notice: A pillow under the patient's head shall make her/him more conformation.

## 6. Battery Charging

 When the battery has only 1 bar left, controller box shall keep beeping 4 times and remind you to charge immediately. Actuator shall not work without charging (battery level as shown in the picture below)



Battery level: 100%

attery level: 50%

Battery level: 2

Battery level: 75%

2. Battery Charging Procedure

When battery beeps, switch off the emergency stop button and plug in the controller box. Once battery is fully charged, the state of battery level shows 4 bars (100%) and LED on the control box no longer flashes.

#### Notes:

- 1. Do switch off the emergency stop button and stop using the patient lift when charging.
- Remove the control box and keep it in a shade once patient lift shall be not used for a long time.Charge the battery once every month.
- 3. Do not charge the battery in a humid atmosphere.
- 4. In the event of that patient lift is not in daily use, it is strongly recommended that to switch off the emergency stop button so that to cut off the currency and keep the battery level.

### 7. CARE AND MAINTENANCE

Routine inspection listed below shall be performed everyday for the sake of safety.

- 1. Check if there is any damage or wear by visual inspection.
- 2. Make sure screws and nuts on lifting arm are secured.
- 3. Check if hook on lifting arm works properly.
- 4. Controller, actuator and base width adjustment verification.
- 5. Emergency descend function verification (both manually and electrically)

If needed, to clean the patient lift with warm water or alcohol. Make sure there is no dust and hair on the wheels.

Attention: to clean the patient lift with chemicals with Phenol and chlorine is prohibited, which may cause damage on plastic powder or plastic material.

Transportation and Storage:

Press the emergency stop button for transportation or not using the patient life for a certain of time.

Temperature for storage of patient life shall be higher than 0°C and relative moisture≤60%.

### Inspection:

Make a full inspection at least once a year. Pay close attention on those worn part such as connection and screw bolt.

### 8.TROUBLE SHOOTING

Description	Trouble Shooting		
Patient lift can not work (ascend and descend)	Check if the emergency stop button is pressed down.     Verify the controller and cables from actuator is properly connected     Check the battery level from display screen on the control box.     Verify if there is any problem or damage on battery contact panel.     Ask for after-sale service if patient lift still can not work.		
Charger can not charge the battery	Check if the charger fully plugs into socket     Verify if there is any problem or damage on battery contact panel.     Ask for after-sale service if patient lift still can not work.		
Patient lift stops when ascending	Check if the emergency stop button is pressed down.     Employ the emergency descend device (see user guide)     Ask for after-sale service if patient lift still can not work.		

### 9.WARRANTY

### • Warranty terms

From the ex-factory date

- (1) Control box: 6 months free replacement and 1 year repairing guarantee
- (2) Battery: free replacement if capacity of battery less than 60% of rated capacity within half a year.
  - (3) Other parts: 1 year repairing guarantee.
  - (4) Wearing part like wheels, pedals and plastic part :warranty is not provided.

In the event of any damages when using, please contact the distributor.

- (5) We shall be responsible for the maintenance or recall the products once quality problem is addressed to the whole batch.
- (6) Paid service shall be provided after 1 year.

### Warranty Exclusions

- 1. Damage cause by improper use and maintenance.
- 2. Parts damaged due to spare parts from regular manufacturers are not in use.

- 3. Parts damaged by the accident.
- 4. Warranty is not provided for wearing part like wheel, sling etc.
- 5. Never change the setting of patient lift without permission.
- 6. Damages cause by force majeure like typhoon, flood, earthquake etc.

### **REGISTRATION CARD**

Owner:		
Add:	Tel:	
Model of Product:	Barcode:	
Date of purchase:		
Warranty Period : (6 months e	excluded the battery), see notes for more details.	

**Note:** please make a registration at our agency within 1 month from the date of purchase. The registration card will valid after stamped by us and its agency, service shall be acquired with this registration card.

### **Maintenance Record**

Maintenance Record			
Date	Faulty	Cause	Remark

### Model: CBP3





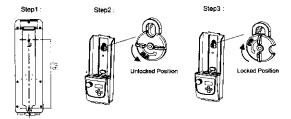
### A. Installation

#### 1. Control Box

Step 1. Put two mounting boits (M5 with 8mm head) onto the frame according to the drawing.

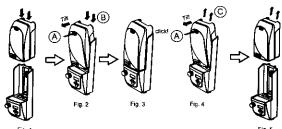
Step 2. Turn the locker to "Unlock Position" (CCW), then mount Control Box onto the botts of the frame.

Step 3. Turn the locker clockwise to "Locked Position" to fix the Control Box.



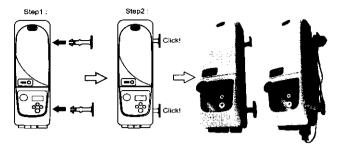
### 2. Battery Pack

- 2.1 Insert:
  - 2.1.1 Hold the battery pack downward (Fig. 1)
  - 2.1.2 Tilt the pack a little bit to get a smooth installation and keep pressing the release button (Fig. 2 (A)/(B)).
  - 2.1.3 Push the pack downward till you hear "click" (Fig. 3), make sure the pack will not be pulled out by hand without pressing release button.
- 2.2 Remove
  - 2.2.1 Press release button and pull the pack out upward (Fig. 4 (A)/(C)).
  - 2.2.2 Tilt the pack a little bit at the beginning of pulling (Fig. 5), then pull out the battery pack.

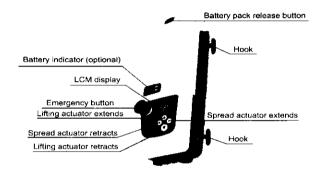


ig. 1 Fig.

#### 3. Hook

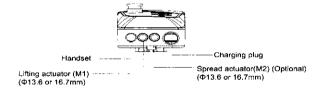


### B. Interface



#### 1. Connection

There are 4 connection ports as indication on following drawing.



### 2. LCM Display



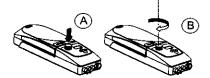
#### 3. Emergency Stop

Press the button firmly to make it locked with click sound. It cuts off the power and actuator stop instantly,

i. Lock: Press the red button as shown in (A), then the button locked and the power is cut off.

ii. Unlock: Turn the red button in clockwise, as shown in B, then the button bounded and the power is restored.

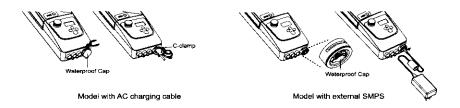
In order to keep the batteries stay in good condition for long, we strongly recommend you to press this button when not going to use this device for a couple days.



### C. Battery Charging

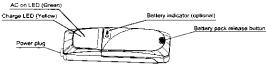
### 1. Charging on CBP3

- 1.1 When battery level remains only one bar on LCM display, Low Batt. icon keeps blinking or continuous 4 beeps in every 4 seconds sound, it is reminding users to charge the battery immediately.
- 1.2 Remove the cap and connect the charging cable properly.
- 1.3 If the model is with AC charging cable, insert the C-clamp to fix the cable.
- 1.4 The level bar on LCM and indicator on control panel keep blinking (1Hz) during charging, and all functions are locked.
- 1.5 The level bar and indicator keep lighting means charging is done.
- 1.6 When not charging, cover with waterproof cap properly to prevent water ingress.



### 2. CHP1 Charger (Optional)

2.1 CHP1 is an optional stand alone charger for BTP1 battery pack. User can charge additional battery pack (option) while CBP3 is on duty for use. Be noted that CHP1 equips EI type transformer and has to follow the AC voltage of the country.



CHP1 charger + battery pack

2.2 The Charge LED keeps blinking (1Hz) during charging, and all functions are locked. The LED indicator keeps lighting means charging is done.

### D. Operation

### 1. Basic control function

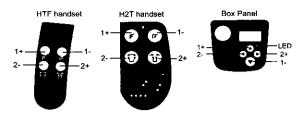
1 means lifting actuator (M1)

1+ : represents M1 extends

1- : represents M1 retracts

2 means spread actuator (M2) 2-: represents M2 retracts

2+ represents M2 extends



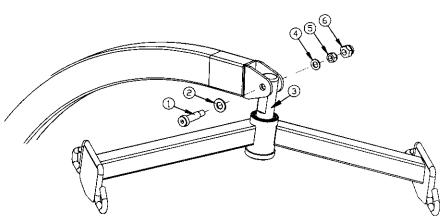
### 2. Soft start & key tone

Function		Combination key	Feedback (LED blinks or sound)
soft start	ON	Press 1+, 1- buttons on HTF	Blinks 4 times, no sound
son start	OFF	or H2T handset at the same time.	Blinks 2 times, no sound
key tone	ON	Press 2+, 2- buttons on handset	Blinks 2 times, beep once
(for 2-motor model only)	OFF	or panel at the same time.	Blinks 2 times, no sound

### 3. Error code trouble shooting

Display	Information	Disposal
E002	Low battery (less than 20V DC, lifting actuator can only retract.)	Charging battery pack at once.
≥ ! <b>=</b>	Lifting actuator over duty (after 4mins continuous lifting)	Stop operation for a while. The error message will gone automatically after sufficient rest.
<b>A</b> !	Lifting actuator over load.	Find out and remove obstruction or improper load.
<b>A</b> 1 <b>E</b> 005	Spread actuator over load.	Please find out the cause. (Let the actuator moves in reverse direction over 2 seconds)
E005	Cumulative running time over 600K seconds on lifting actuator.	Call agency to replace the actuator.

### Installation of cradle



### Installation processes:

- 1. Insert the fixed shaft into the cradle.
- 2. Align the hole on fixed shaft with the hole of lifting arm.
- Get the hexagon socket head shoulder screw φ 10 \* M8 \* 30 (part ①) in proor sequence pass through the flat washer (part ②), lifting arm, fixed shaft (part ③), lifting arm, and flat washer M8 φ 16x φ 8.4x1.6 (part ④), and secured with Nylon lock nut M8 (part ⑤),
- 4. Put the nut cap (part (6)) onto the Nylon lock nut M8.

No.	Description	Qty
1	Hexagon socket head shoulder screw φ10*M8*30	1
2	Flat washer φ 20x φ 10.5x1.5 White zinc	1
3	Fixed shaft, 20# steel	1
4	Flat washer M8	1
5	Nylon lock nut M8	1
6	Nut cap with 13mm, PP, Black	1