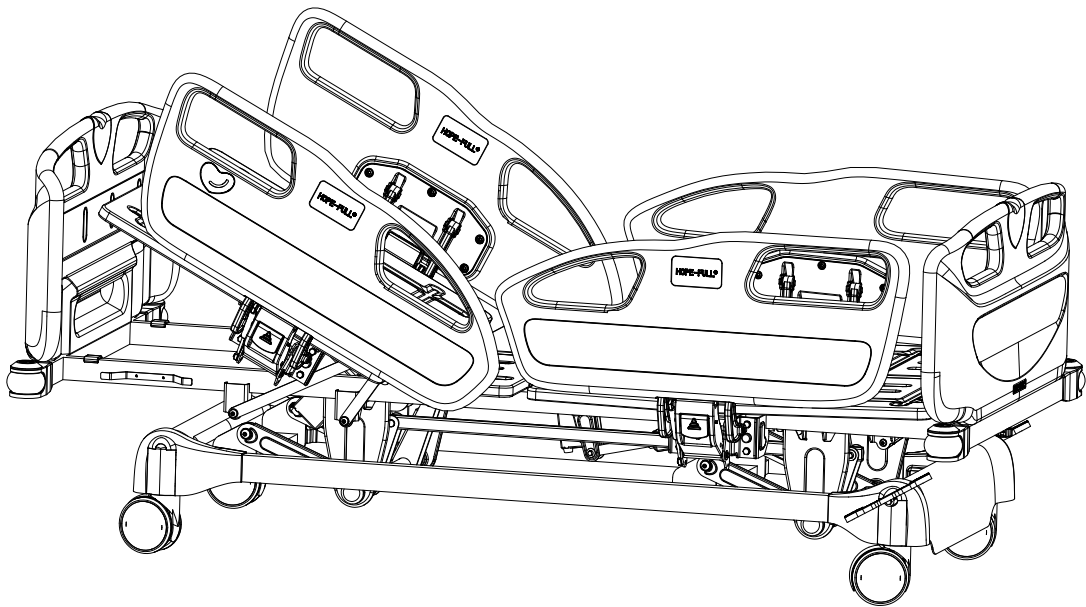




HOPEFULL<sup>®</sup> electric bed  
Instruction Manual  
(Applicable model: B768y)



Version No.: 1.0

## Contents

<b>1. Usage and safe notice.....</b>	<b>2</b>
1.1 Usage.....	2
1.2 Safe notice.....	2
1.3 Specification of the product.....	5
<b>2. Functions introduction and Operation manual.....</b>	<b>6</b>
2.1 Components name.....	6
2.2 Bed placement.....	6
2.3 Functions introduction.....	6
2.4 Main functions operation.....	7
2.5 Bedside rails (Guardrail) operation.....	8
2.6 Install and dismantle the head / foot panels.....	9
2.7 IV drip stand usage.....	10
2.8 Bed movement.....	11
2.9 Control box connection methods.....	12
2.10 Bed maintenance and disposal.....	12
2.11 Cleaning and disinfection of beds.....	13
2.12 Malfunction and elimination methods.....	14
2.13 After-sales service contact information.....	14

## **Instruction summarize**

The instruction is applicable to B768y Electric bed. It's including the information such as usage & safe notice, function instruction, care & maintenance, and so on.

**The inside pictures only for reference. When operation, please take the real product for standard.**

## **1. Usage and safe notice**

### **1.1 Usage**

The electric bed is used for examination, diagnosis, nursing care and treatment for patients.

### **1.2 Safe notice**

- Before using the bed, make sure to read "Safe notice" carefully and operate correctly.
- If not operate according to "Safe notice", the products may be damaged and even hurt human's life.
- If the bed is directly operated by the patient himself or his relatives, before using it, the doctors or nurses should give the enough explanation to them regarding how to operate the bed, so that the operations adapt to the patient's symptom.
- Please do not allow the children and the person who can't understand the operations well to operate the bed.
- Any safe notice is the important content, please do follow up.
- After finish reading the instruction, it should be put on the place where can be seen at any moment.
- The product without the electricity cutting off itself, if want to cut off the electricity, please put off the plug.



### **Warnings**

1). Pay attention to use the electricity safely please.

- Don't use the wet hands to touch the plug.
- Before cleaning the bed, make sure to put off the plug for safety.
- When put off the plug, the hand has to grip the plug. If pulling the electric wire directly, the wire may be broken off.
- Don't put the bed in the wet place, or else the electrical components may be damaged and cause the accident
- When the bed without use or move the bed, please take off the plug and wreathe it on the electric wire rack in order to avoid damaging the plug or electric wire.
- The products may be disturbed by other wireless electronic equipment, in this case , users may use the method to avoid the interruption.

- 2). In order to avoid the patient falling from the bed, please use both bedside rails.
  - Don't put your head, hands and legs out of the bed, or else you may fall out from the bed and get hurt.
  - Do make sure to use the bedside rails when carry the patient.
  - Please do not put your head and neck into the clearance between the bedside rails or the head panels, or else you may fall from the clearance and get hurt. Especially take care for the patient who can't control himself body.
  - Don't sit on the bedside rails or head and foot panels or stand on the bed, all that may make you fallen out from the bed and get hurt.
  - It's not allow to operate by the children, or else it may make the children fallen from the clearance of the bedside rails and hurt themselves.
  
- 3). When adjust the angles of the bed board, please pay attention to patient status.
  - When adjust the bed, please make sure there is no barrier around and your eyes do not leave away from the patient.
  - When patient is in prostrate status, do not lift up the back bed board, or else the patient may get hurt.
  - The angle between the back bed board and the knee bed board should be not less than 90°, or else it will oppress the patient abdomen and get hurt (except for the medical people have special arrangement)
    - If the patient does movement during the bed board adjustments, he/she may fall from the bed and get hurt.
  - Please do not put your hands and feet into the clearance between the mattress platform, head&foot panels, the bedside rails , also not get into the underside of the bed , or else you may be clamped by the bed movement parts or the bed frame, bedside rails and get hurt .
  - Please do not sit on the process lifting up bed board or the already risen bed board, or else the bed board supported part may get distortion or breakage because of the heavy pressure.
  
- 4). Before adjust the bed, please pay attention to the wall and other barriers, and make sure the clearance between the bed and the wall or other barriers is more than 20cm. Because when adjust the bed height, the bed will do the up and down or front and back movement, it must confirm the bed will not touch the wall or the barriers when adjust. Or else, the bed will get distortion or breakage, and also break the surrounding object.
  
- 5). Except for moving the beds, please make sure to lock the castors and fix the bed well. When the patient gets up and down the bed, it may cause the unexpected hurt because of the bed movement.
  
- 6). When move the bed:

- Please make sure to install and lock well the head and foot panels. If the panels are not locked well before moving the bed, the patient may fall from the bed to get hurt because of the panels loose.
- Please avoid to moving the beds on the rough road, or else it will cause the bed distortion or breakage or other unexpected trouble. If you have to move the bed on the rough road, the bed should be moved very slowly for safety.
- When move the bed, the bed and both bedside rails can't hit the surrounding object. Or else, the bed and the bedside rails may get distorted and break.
- Do not only grasp the bedside rails to move the bed. If the bedside rails bear too much pressure, it may cause the distortion or breakage.

7). Don't get close to the fire. Nearby the bed, please avoid to use the warmer or the heating machine, or else it will cause the bad quality, distortion of the bed components even cause a fire accident.

8). Without the nurse care, in order to avoid the patient falls from the bed when get up and down from the bed or lies on the bed, please adjust the bed reaching the lowest position, and the mattress platform should be adjusted to the horizontal position. (Except for the medical people have special requirement)

9). The bed is designed for only one patient to lie, if two or more patients lie on the bed simultaneity, the bed may be broken.

10). Please lay the patient in the correct sections as the bed. If head and foot sections are reversed, the back and knee will have wrong posture when adjust the bed and the patient will get hurt.

11). Please do not fasten the belts on the patient's body when adjust the bed. Or else, it will hurt the patient or make the bed distorted or broken.

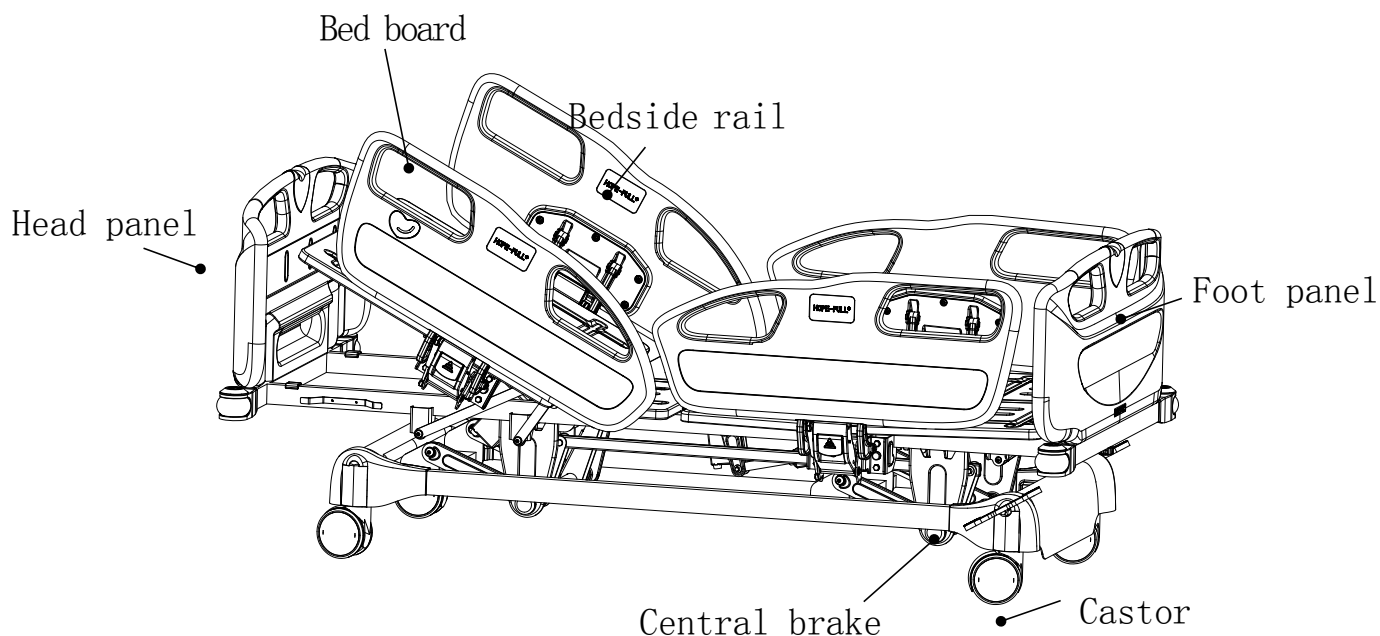
12). Make sure to check and repair the bed carefully (For example, if the bed is broken caused by the earthquake, fire, flood or other reasons). You can ask for help from the manufacturer or the authorized agent to check and repair, the users are not allowed to repair or reconstruct. Wrong repair or reconstruction may cause the abnormal case and hurt the patient.

### 1.3 Specification of the product

Serial No.	Item	Parameter	Remarks
1	Mattress support platform	length	2000±20mm
2		width	900±10 mm
3		The lowest height from the floor	430±10 mm
4		The highest height from the floor	760±10 mm
5	The biggest angles	Angle of back section	≥70°
6		Angle of knee section	≥30°
7	The mattress support platform up and down distance		330±10 mm
8	Outer sizes	Length	2200±10 mm
9		Width	1060±10 mm
10	Weight	bed weight	Approx.130 kg
11		Safe working load	230 kg
12	Electricity	Voltage	AC 110/220V
13		Frequency	50~60Hz
14		Working mode	Working 2 minutes, rest 18minutes

## 2. Functions introduction and Operation manual

### 2.1 Components name



### 2.2 Bed placement

Please put the bed in the environment: temperature between 5 ~ 40°C 、 relative humidity ≤80%. Improperly to put the bed is the reason to cause the trouble, so please avoid to put the bed in the following sites:

- The place with the direct irradiated sunshine.
- Nearby the warmer or the heating machine and other euthermic machines
- The places with too much water and oil steam.
- High temperature, over-moisture, low temperature places.
- Place with much dust, smoke, salt, sulfur, corrosive object.
- Unventilated place.
- Shake or impacts place (including when carry).
- Flabby floor.
- Unbalance floor.

### 2.3 Functions introduction

The electric bed is designed base on the safe and convenient use, the bed can be operated and adjusted different positions by the controls.

The main functions including:

1. Back section up and down adjustment
2. Knee section up and down adjustment
3. Hi-Low adjustment

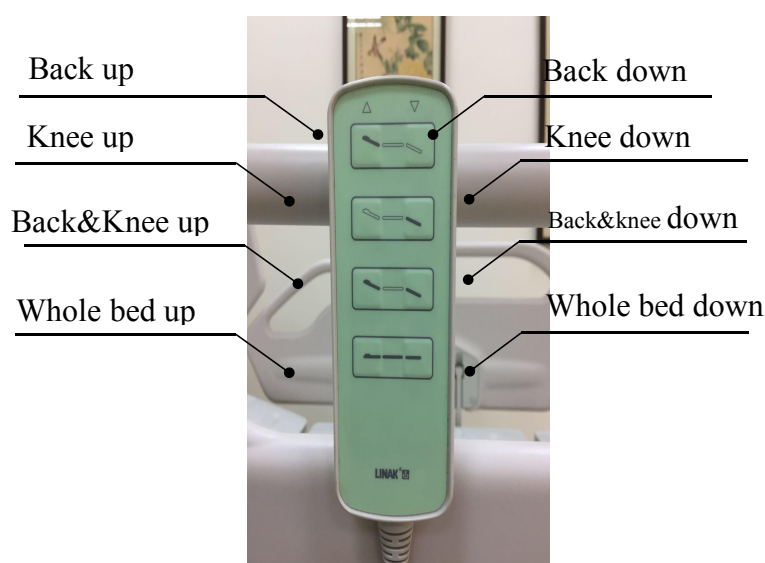
## 2.4 Main functions operation



Notices:

- Please stop to operate the bed when the bed is adjusted to the final distance/angle including the height or angle adjustment.
- Don't let other people sit on the bed board when adjust the bed, in order to avoid breaking the bed board because of the imbalanced force.
- Before operate the Hi-Low adjustment, make sure there is no object under the bed.

**Controls:**



### 1. Back section up and down adjustment

- Press the the back section up and down buttons, the back bed board can go up and down. Loose the buttons, the back bed board will stop movement.

### 2. Knee section up and down adjustment

- Press the knee section up and down buttons, the leg bed board can go up and down. Loose the buttons, the leg bed board will stop movement .

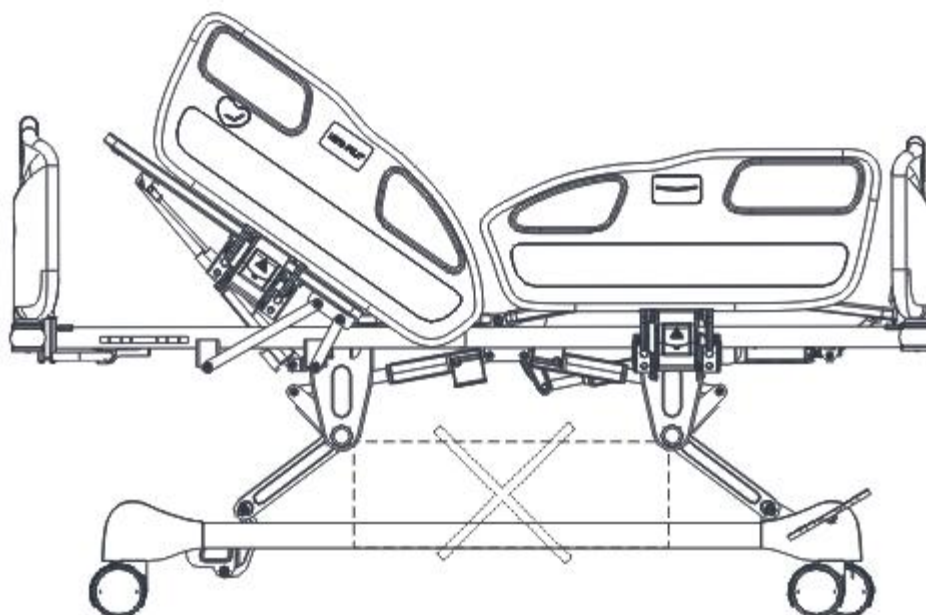


### 3. Back&Knee section up and down adjustment

- Press the Back&knee section up and down buttons, the Back and leg bed board can go up and down. Loose the buttons, the Back and leg bed board will stop movement .

### 4. Hi-Low adjustment

- Press the Hi-Low adjustment buttons, the whole bed can go up and down. Loose the buttons, the whole bed will stop movement.



Notices: Before operation, make sure nothing under the bed bottom.

### 2.5 Bedside rails (Guardrail) operation



When patient lies on the bed, please keep the bedside rails risen in order to avoid the patient falling from the bed to cause the accident.



When operating, please pay attention to whether there is barrier in the gaps between the bedside rails and bed frame, If yes, please eliminate.

#### 1. Lift up the bedside rails:

Lift up the bedside rails slowly from the bottom of the bed surface, till hearing a sound of “ka”,that means the bedside rail goes up to the correct position.



**2. Put down the bedside rails:**

Use one hand to hold the bedside rail's holes and the other hand to open the switch, when hearing a sound of "ka", then put down the bedside rails slowly (Re. the picture as below)



**2.6 Install and dismantle the head / foot panels**

**1. Install the head / foot panels**

Insert the panel two wholes correctly into the metal pins then lock .  
(Re. the picture as below)



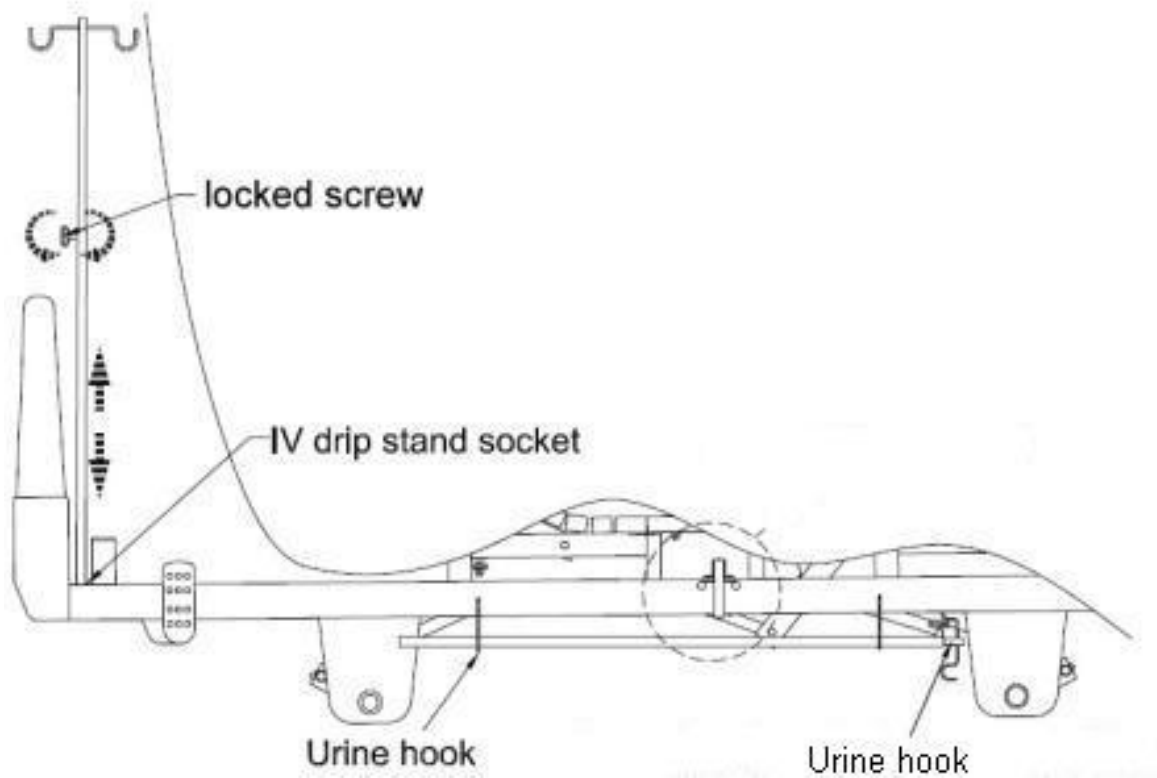
## 2. Dismantle the head /foot panels

Release the lock then straightly lift up the panel .  
(Re. the picture as below)



## 2.7 IV drip stand usage

1. Safety working load for IV drip stand is 5 kilogram
2. Firstly insert the IV drip stand into the socket, then lift the inner pipe of IV stand to a desired height, and then fasten the “locked screw” .
3. When store the IV drip stand, please take out the IV stand from the socket, then loose “the locked screw” to put the inner pipe into outer pipe (cover) and tighten the “locked screw”. Finally keep the IV stand on the urine hooks.
4. Refer to the following picture.



## 2.8 Bed movement:



When there is patient on the bed, please lift up the bedside rails before moving the bed.

1. Before moving the bed, please step on the green sign till hear “ka” sound to open the brake system. (Re. the picture as below)



2. Step on the red sign until hear “ka” that means locked. (Re. the picture as below)



## 2.9 Control box connection methods

Wire connection methods:

- (1) Power supply (Electric source)
- (2) H1 controller socket
- (3) patient controller socket (Option)
- (4) M1 back actuator
- (5) M2 leg actuator
- (6) M3 Hi-low actuator



Notices: if the problems are judged initially from control box . Don't open and repair it by yourself. Please contact the manufacturer or its authorized agents for service.

## 2.10 Bed maintenance and disposal

1. In order to use the bed well, you must do some maintenance on beds regular. We suggest to make the complete inspection per 6 months, to sure all the jointed parts are no loose, the bed up/down operation normal, battery can work well when no electricity.

2. When do the inspection, you should add some lubricating oil on the bed moving parts, if find the parts are abraded seriously, please change a new one.
3. Avoid to hit the bed or use the sharp tools scratch the surface.
4. Please avoid the water go into the bed, it will cause the rusty or the bacteria. Wipe the water right away if you find the water on the bed.
5. When the electric parts have problems, please don't repair by yourself, do remember to contact the supplier or the agent to do the maintenance
6. When the bed reach to the life-span, the plastic and metal parts can be recycle. The electric parts should be sent to the qualification companies to dispose in accordance with your regional waste disposal regulations.

## 2.11 Cleaning and disinfection of beds

**Notices: the products are not applicable to using "Spraying stream" cleaning machines or high pressure and high steam to clean. During the cleaning, do not use the water to sprinkle the beds directly, especially for the electrical parts.**

### **Cleaning of the beds:**

1. For cleaning completely and convenient checking after cleaning, please lift up the whole bed to the highest position, including back and leg sections.
2. Please take away the mattress and bed sheet, pull out the power supply wire from the socket and wreath on the electric wire rack.
3. When cleaning, please wipe the bed with the wrested dry cloth which has been dipped into the diluted neutral scour, then dip the clean cloth into the clean water and wrest dry to wipe away the residual scour, finally dried with clean dry cloth.
4. Please do not use volatile chemicals to clean, such as thinner, volatile liquid, gasoline and so on. Or else it will cause the materials to change colors or the quality change.

### **Disinfection of the beds:**

1. When disinfection, please use the below disinfectant which has been diluted with the appointed proportion to disinfect.

<b>0.05-0.2%</b>	<b>ammonium chloride disinfectant</b>
<b>0.05-0.2%</b>	<b>chlorophenyl disinfectant</b>
<b>0.05%</b>	<b>chlorhexidine liquid</b>
2. According to the difference of the disinfectant, there may make the metal parts corrupted or the plastic parts turned colors, quality change, split, so please use the above recommended disinfectants.
3. Please confirm well the ingredients of the disinfectant before disinfection.
4. After finish disinfection, please wipe away the disinfectant.
5. Don't use the Ozone machine and autoclave as disinfectants for the bed.

## 2.12 Malfunction and elimination methods

Common malfunctions	Possible reasons	Elimination methods
The control can't work	Forget to connect the power or the wire can't connect well	Connect the electric wire again
Up/down movement can't work	The lock for whole bed is locked	Release the lock
It's difficult to move the whole bed.	Brake system is locked, all castors are locked.	Unlock the brake system
Bedside rail is easy to loose and fall off	Bedside rail is not in the standard risen position.	Lift the bedside rail upwards again, loose hands when hear "ka"
The sound is too noisy when the bed up or down	Movement parts are not enough lubricative	Please add lubricative oil at the each connecting joints of movement parts

## 2.13 After-sales service contact information

Manufacturer: Hopefull Medical Equipment Co., Ltd.  
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 437100 ,Hubei Province, China.  
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