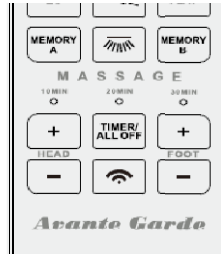










Operating Manual of Remote Control system

1、 Interface of the remote control



2、 Button description

- A.  HEAD UP button: Press and hold the button, the Head actuator will go up. Stop when released.
- B.  HEAD DN button: Press and hold the button, the Head actuator will go down. Stop when released.
- C.  FOOT UP button: Press and hold the button, the Foot actuator will go up. Stop when released.
- D.  FOOT DN button: Press and hold the button, the Foot actuator will go down. Stop when released.
- E.  3th UP button: Press and hold the button, the 3th actuator will go up. Stop when released.
- F.  3th DN button: Press and hold the button, the 3th actuator will go down. Stop when released.
- G.  ZERO GRAVITY button: Click the button, the Head and Foot actuator will start up and keep running until arriving to the zero gravity position. Running can be stopped by clicking any button.
- H.  FLAT button: Click the button, the Head and Foot actuator will start up and keep running until arriving to the FLAT position. Running can be stopped by clicking any button.



- I. **MEMORY A button:** Click the button, the Head and Foot actuator will start up and keep running until arriving to the Memory A position preset by user. Running can be stopped by clicking any button.



- J. **MEMORY B button:** Click the button, the Head and Foot actuator will start up and keep running until arriving to the Memory B position preset by user. Running can be stopped by clicking any button.

The blue LEDs for backlight are on as long as any button is pressed. IF all buttons are released the LEDs will automatically turn off three seconds later.

The blue LED for power is always on as long as the power on.

The below positions can be changed or set by the end user.


The Zero gravity position (only the Head and Foot can be reset ,but not be done for the 3th actuator) ;

The Memory A position;

The Memory B position;

The procedure to set these special positions is below:



Step 1: Click the  **button to flat the bed;**

Step 2: Adjust the Head and Foot position to a desired position by pressing the button HEAD_ UP or HEAD_DOWN or FOOT_UP or FOOT_DOWN;



Step 3: Press and hold the  **button for 3sec, backlight LED start flashing;**



Step 4: Release the  **button then click one of**  **or**  **or**

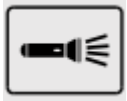


button before LED stop flashing. Then the Flashing stops immediately to indicate the corresponding operating has completed successfully.

ALL of the Zero gravity position and the SF position and the Memory A position



can be restored to default sets by pressing and holding the  **button for approximate six seconds until the backlight LEDs finally stop flashing from first flashing.**



- K. FLASHLIGHT button: Click the button, the Flashlight on the remote control will turn on if it is being off or turn off if it is being on. If the Flashlight is turning on as the button pressed, it will keep on as long as the button pressed. When the button is released, the Flashlight will still keep on for several seconds then turn off with the backlight turning off together.



- L. UNDERLIGHT button: Click the button, the Under-light under the bed will turn on if it is being off or turn off if it is being on. If the Under-light is turning on as the button pressed, it will keep on for 5 minutes then turn off automatically if the button isn't pressed again.



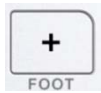
- M. Head Massage INTENSITY INCREASEMENT button:

Click the button the Head vibrating intensity will raise up one level, total 4 levels.



- N. Message INTENSITY DECREASEMENT button:

Click the button the Head vibrating intensity will lower down one level, total 4 levels.



- O. Foot Massage INTENSITY INCREASEMENT button:

Click the button the Foot vibrating intensity will raise up one level, total 4 levels.



- P. Foot Massage INTENSITY DECREASEMENT button:

Click the button the Foot vibrating intensity will lower down one level, total 4 levels.

The number of level represents the vibrating intensity. More big number of the level, more strongly vibrating it is. The strongest vibrating is level 3, and the weakest is level 0.

Implement adjustment of the vibrating intensity is the way known as "PWM". Different duty cycle of PWM makes different intensity. The value of the duty cycle corresponding to the level is below:

Duty cycle	Level
0%	0
20%	1
35%	2
50%	3



Q. Message MODE ICREASEMENT and DECREASEMENT button:

Click the button the vibrating mode will change by one level, total 4 levels.
When it has been level 4, it will return to level 1 if click the button.



R. Message time button:

Press the button and released to stop all moves (including the actuators and vibrator) and change circularly the vibrating time of the vibrator by one level once, total 3 levels.

The time means that vibrating keeps on for this period then automatically stops if no any button related to vibrating is pressed again. The time and the LED indication are below:

10MIN



This LED flash a time, the vibrating time is 10minutes;

20MIN



This LED flash a time, the vibrating time is 20minutes;

30MIN



This LED flash a time, the vibrating time is 30minutes;

10min,20min,30min LED

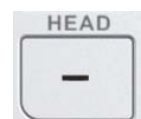
3、Wireless pairing operation (Remote control code)

Step1: Power on the control box. (Put electricity on the control box.)

Step2: Double click on the light touch switch for pairing on the control box. At this time, the pairing instructions LED on the control box light, and the control box is in a condition of pairing


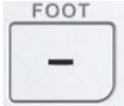
Step3: Hold the silicone button in the batter cover on the back of the remote control device, when the LED in the silicone button flashes, it indicates that the remote control is searching for the repaired control box. When the LED of matching button within the remote control has a long light and the LED on the paired control box is off at the same time, the pairing operation is finished. To test the pairing is successful or not as well as the head up / down, feet up/ down buttons and other buttons related to the actuator, if you can hear the ticking sound that released by the relay, it indicates that the repairing is successful. Otherwise, repeat all the steps above.

4、Lock and unlock




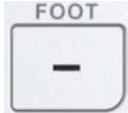
Press and keep 2 seconds simultaneously both buttons and until the


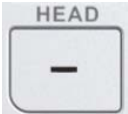
LEDs flash, the remote control will be locked.

Press and keep 2 seconds simultaneously both buttons  and  until the LEDs flash, the remote control will be unlocked.

If nothing is done for 5 minutes on it and the function being locked automatically is enabled, the remote control will be locked automatically.

The function being locked automatically can be enabled or disabled.

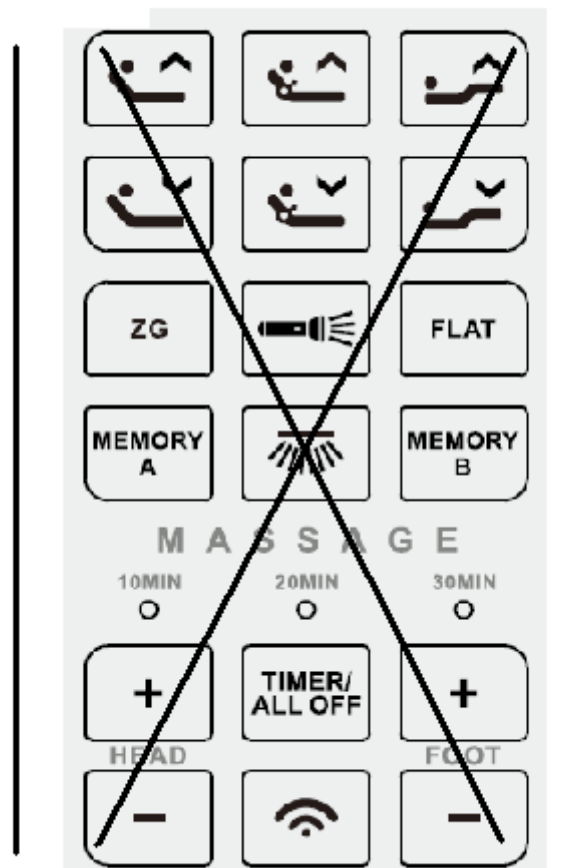
Press and keep 2 seconds simultaneously both buttons  and  until the LEDs flash, the function being locked automatically will be enabled.

Press and keep 2 seconds simultaneously both buttons  and  until the LEDs flash, the function being locked automatically will be disabled.

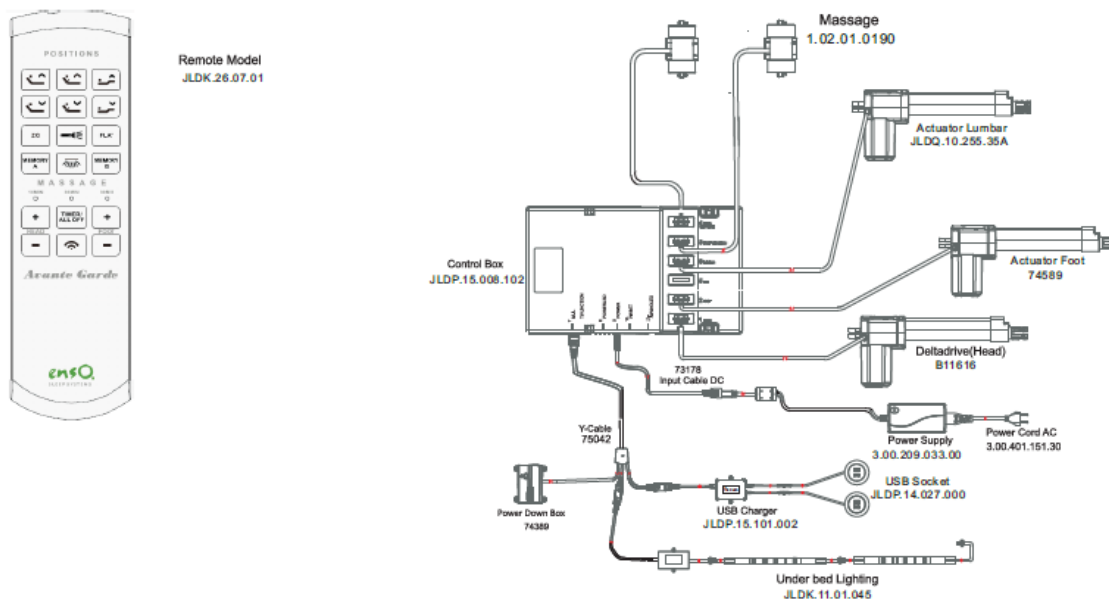
In the locked status the actuators will not be operated. But the vibrator is still able to be operated.

LOCK ENABLE

DISABLE UNLOCK



5、Connect to the Control Box



The control box is designed for using the SMPS of 29VDC/ around 2A as the power. It is necessary to use the SMPS provided by us when normal operation.

In the case of the AC power utility failure, the batteries for backup of 18VDC can be used as the power. It is only for flatting the bed plate without load if the batteries used as the power and each one of the batteries must be new with 9V voltage. You can press and hold the emergency button on the body of the control box to flat the bed. The movement sequence is that the Head and Foot actuator goes down until arrives to the limit. If release the button, all movement will stop immediately. It isn't also strongly recommended to start the massage motors when the battery box used as power.

FCC NOTE:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.