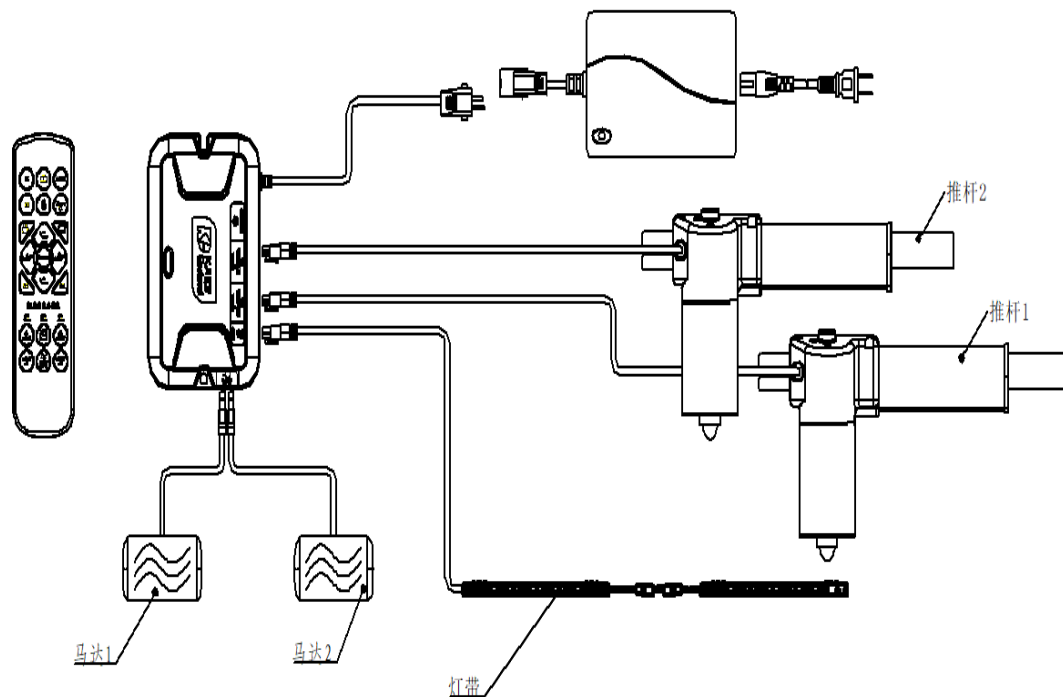
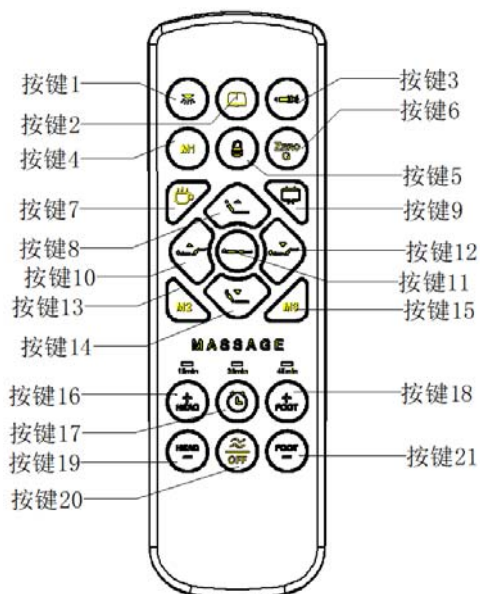


## KDDY109C + KDH231 Functional specification of one control and two control systems

### 一、System configuration diagram



### 二、Handset



# 1、Handset function:

| Key designator | function                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1              | Short press the light strip to turn on, and short press the light strip again to turn off;                                                                                                                                                                                                                                                                                                                                                             |
| 2              | Short press the button, and the push rod will run to a fixed position and stop; Press and hold for 3s to set the memory position (the previous position is covered, the backlight flashes for 3 seconds, and the buzzer at the receiving end of the control box beeps 1 time), after the memory position, short press the fader to run to the current position;                                                                                        |
| 3              | Press to turn on the flashlight, release it and extinguish;                                                                                                                                                                                                                                                                                                                                                                                            |
| 4              | Short press the button, and the push rod will run to a fixed position and stop; Press and hold for 3s to set the memory position (the previous position is covered, the backlight flashes for 3 seconds, and the buzzer at the receiving end of the control box beeps 1 time), after the memory position, short press the fader to run to the current position;                                                                                        |
| 5              | Press and hold for 3s, the background light flashes quickly for 3 seconds, and the supporting control box beeps 1 time, the child lock function is turned on, at this time, pressing any key is invalid and the backlight flashes twice. If you press and hold for 3s again, the background light flashes quickly for 3 seconds, and the supporting control box beeps 1 time, the child lock function is turned off, and the handset is used normally; |
| 6              | Short press the button, and the push rod will run to a fixed position and stop; Press and hold for 3s to set the memory position (the previous position is covered, the backlight                                                                                                                                                                                                                                                                      |

|    |                                                                                                                                                                                                                                                                                                                                                                 |
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|    | flashes for 3 seconds, and the buzzer at the receiving end of the control box beeps 1 time), after the memory position, short press the fader to run to the current position;                                                                                                                                                                                   |
| 7  | Short press the button, and the push rod will run to a fixed position and stop; Press and hold for 3s to set the memory position (the previous position is covered, the backlight flashes for 3 seconds, and the buzzer at the receiving end of the control box beeps 1 time), after the memory position, short press the fader to run to the current position; |
| 8  | The push rod 1 is extended, pressed to execute, and released to stop                                                                                                                                                                                                                                                                                            |
| 9  | Short press the button, and the push rod will run to a fixed position and stop; Press and hold for 3s to set the memory position (the previous position is covered, the backlight flashes for 3 seconds, and the buzzer at the receiving end of the control box beeps 1 time), after the memory position, short press the fader to run to the current position; |
| 10 | The push rod 2 stretches out, and stops when pressed and executed, and when it is released;                                                                                                                                                                                                                                                                     |
| 11 | The putter 1 is retracted to the end first;                                                                                                                                                                                                                                                                                                                     |
| 12 | The push rod 2 is retracted, pressed to execute, and the release is stopped;                                                                                                                                                                                                                                                                                    |
| 13 | Short press the button, and the push rod will run to a fixed position and stop; Press and hold for 3s to set the memory position (the previous position is covered, the backlight flashes for 3 seconds, and the buzzer at the receiving end of the control box beeps 1 time), after the memory position, short press the fader to run to the current position; |
| 14 | The push rod 1 is retracted, pressed to execute, and it is                                                                                                                                                                                                                                                                                                      |

|    |                                                                                                                                                                                                                                                                                                                                                                 |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | stopped when it is released;                                                                                                                                                                                                                                                                                                                                    |
| 15 | Short press the button, and the push rod will run to a fixed position and stop; Press and hold for 3s to set the memory position (the previous position is covered, the backlight flashes for 3 seconds, and the buzzer at the receiving end of the control box beeps 1 time), after the memory position, short press the fader to run to the current position; |
| 16 | The vibration motor is enhanced in 1 gear (a total of four gears), which is gradually enhanced with each press;                                                                                                                                                                                                                                                 |
| 17 | Short press to switch the vibration motor vibration duration, and the vibration motor will be turned off after the time is over;                                                                                                                                                                                                                                |
| 18 | The vibration motor is enhanced in 2 gears (a total of four gears), which is gradually enhanced with each press;                                                                                                                                                                                                                                                |
| 19 | The vibration motor decreases by 1 gear (a total of four gears), and gradually decreases with each press;                                                                                                                                                                                                                                                       |
| 20 | Short press to switch vibration motor 1, 2 vibration mode (switch mode is 1-2-3-4-1-2-3-4... ); Press and hold for 3 seconds to turn off the vibration motor 1 and 2;                                                                                                                                                                                           |
| 21 | The vibration motor is reduced by 2 gears (a total of four gears), and gradually decreases with each press;                                                                                                                                                                                                                                                     |

#### Pairing:

Method 1: Press and hold the pairing button of the control box for 3 seconds to enter the pairing state; Press the handset button 8 and button 10 within 15 seconds, hold for 3 seconds, the control box beeps 1 time, the pairing button stops flashing, and the handset background light flashes 3 times.

Method 2: Power off the control box for 5 seconds and then power it back on, and the control box enters the pairing state; Press the handset button

8 and button 10 within 15 seconds, hold for 3 seconds, the control box beeps 1 time, the pairing button stops flashing, and the handset background light flashes 3 times.

**Clear the pairing:**

Method 1: Press and hold the pairing button of the control box for 3 seconds to enter the pairing state; Press the handset button 12 and button 14 within 15 seconds, hold for 3 seconds, the control box beeps 1 time, the pairing button stops flashing, and the handset background light flashes 3 times.

Method 2: Power off the control box for 5 seconds and then power it back on, and the control box enters the pairing state; Press the handset button 12 and button 14 within 15 seconds, hold for 3 seconds, the control box beeps 1 time, the pairing button stops flashing, and the handset background light flashes 3 times.

**Factory reset:**

Method 1: Press and hold the pairing button of the control box for 3 seconds to enter the pairing state; Press the handset button 8 and button 12 within 15 seconds, hold for 3 seconds, the control box beeps 1 time, the pairing button stops flashing, and the handset background light flashes 3 times.

Method 2: Power off the control box for 5 seconds and then power on again to enter the pairing state; Press the handset button 8 and button 12 within 15 seconds, hold for 3 seconds, the control box beeps 1 time, the pairing button stops flashing, and the handset background light flashes 3 times.

**Remark:**

1、Press the function button on the handset, the backlight of the corresponding area will light up, and the backlight will go off after stopping the operation for about 3 seconds

- 2、 Please reset the putter before using it for the first time so that the position of the putter can be identified
- 3、 When the vibrating motor is working, press the push rod operation button, the vibrating motor is suspended at this time, and the vibrating motor resumes work after the push rod runs and stops for 1S; By default, if there is no operation of the vibration motor related buttons for 30 minutes, the vibration motor will be automatically turned off
- 4、 Please refer to the pairing standard of Kaidi electric bed control box for the pairing standard of the hand controller and the control box and the method of restoring factory settings

## 2、Preset key positions:

|                   | location<br>1 | location<br>2 | location<br>3 | location<br>4 | location<br>5 | location<br>6 | location<br>7 |
|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| pushrod 1<br>(mm) | 101           | 12            | 26            | 54            | 101           | 12            | 12            |
| pushrod 2<br>(mm) | 0             | 0             | 71            | 93            | 20            | 0             | 0             |

## 四、Precautions

1. Before use, please be sure to connect the system correctly according to the system connection diagram, and then turn on the main power supply;
2. Children, the elderly and the disabled, please use under supervision;
3. Do not plug and unplug any connecting cable when the power is turned on, it may cause operation function failure, if this happens, the main power supply can be cut off, and it can be restored after about 30s;
4. Before using it for the first time, the wireless handset should be paired with the control box;
5. The control box can be paired with two hand controls, if paired with the third one, the first one will be cleared.
6. Please replace the hand control battery in time, and take out the battery when it is not used for a long time。

### FCC Warning for control box

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.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable

protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

#### FCC Warning for handset

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.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement.

Weave:

Audit: