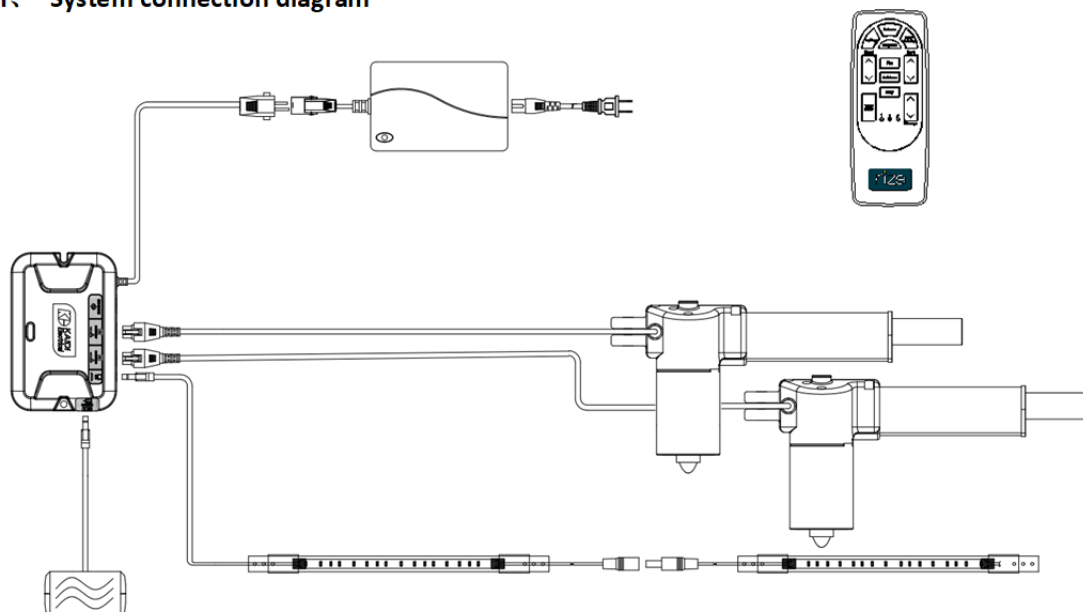


# **KDDY109B + KDH243B one control two control system function** **manual**

## **I、 System connection diagram**



## **II、 Product list**

The serial number	Name (code name)	Model and Specification	Number	note
1	Hand control device	KDH243	1	
2	Control box	KDDY109	1	
3	Power supply box	KDDY01B	1	
4	Push Rod 1 (H)	KDYJT014	1	
5	Push Rod 2 (F)	KDYJT014	1	
6	Lamp with	DY056	1	
7	Vibrating motor	ZYD060	2	

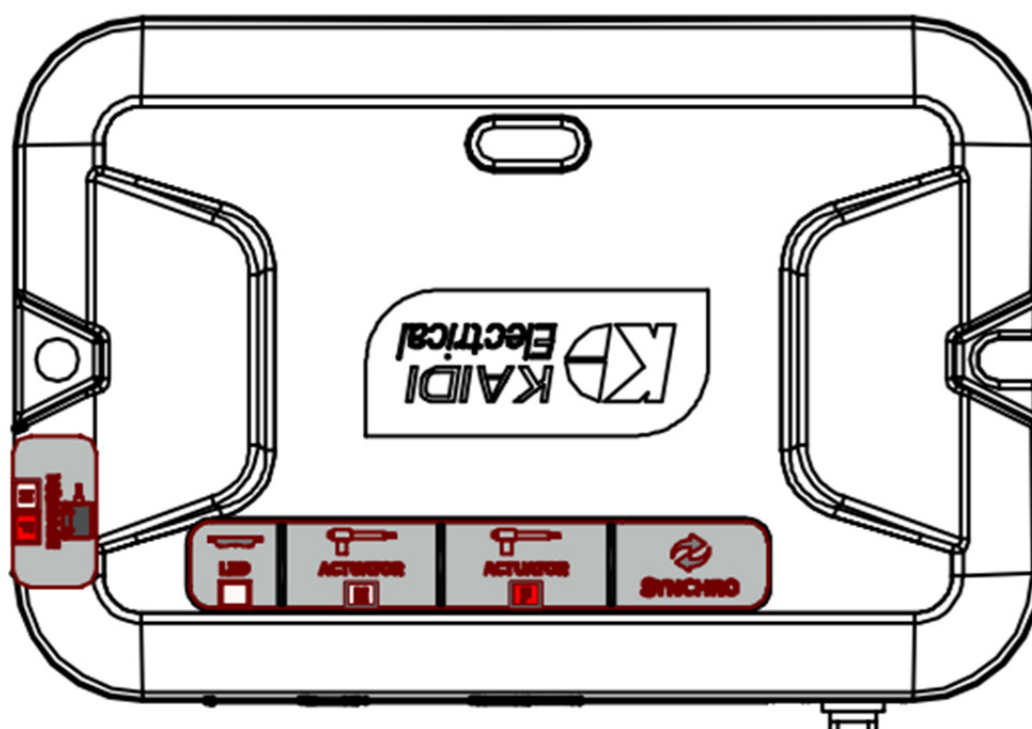
## **III、 Performance Parameters**

### **1. Control box performance parameters:**

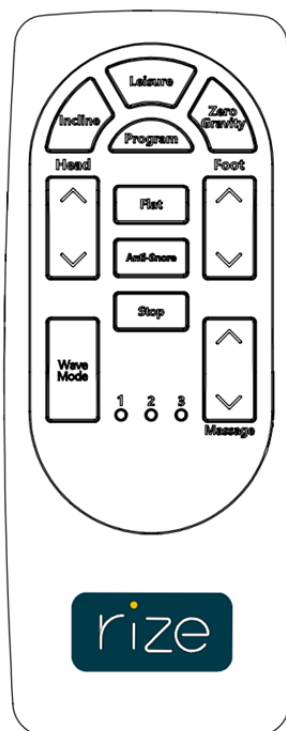
Input voltage	AC 110-240V 50/60Hz
Rated output (single channel)	29V DC/ 5A (10% work system, maximum 2 minutes of continuous work and 18 minutes of stop)

### **2. Manual controller performance parameters:**

Input voltage	4.5V
Number of keys	14

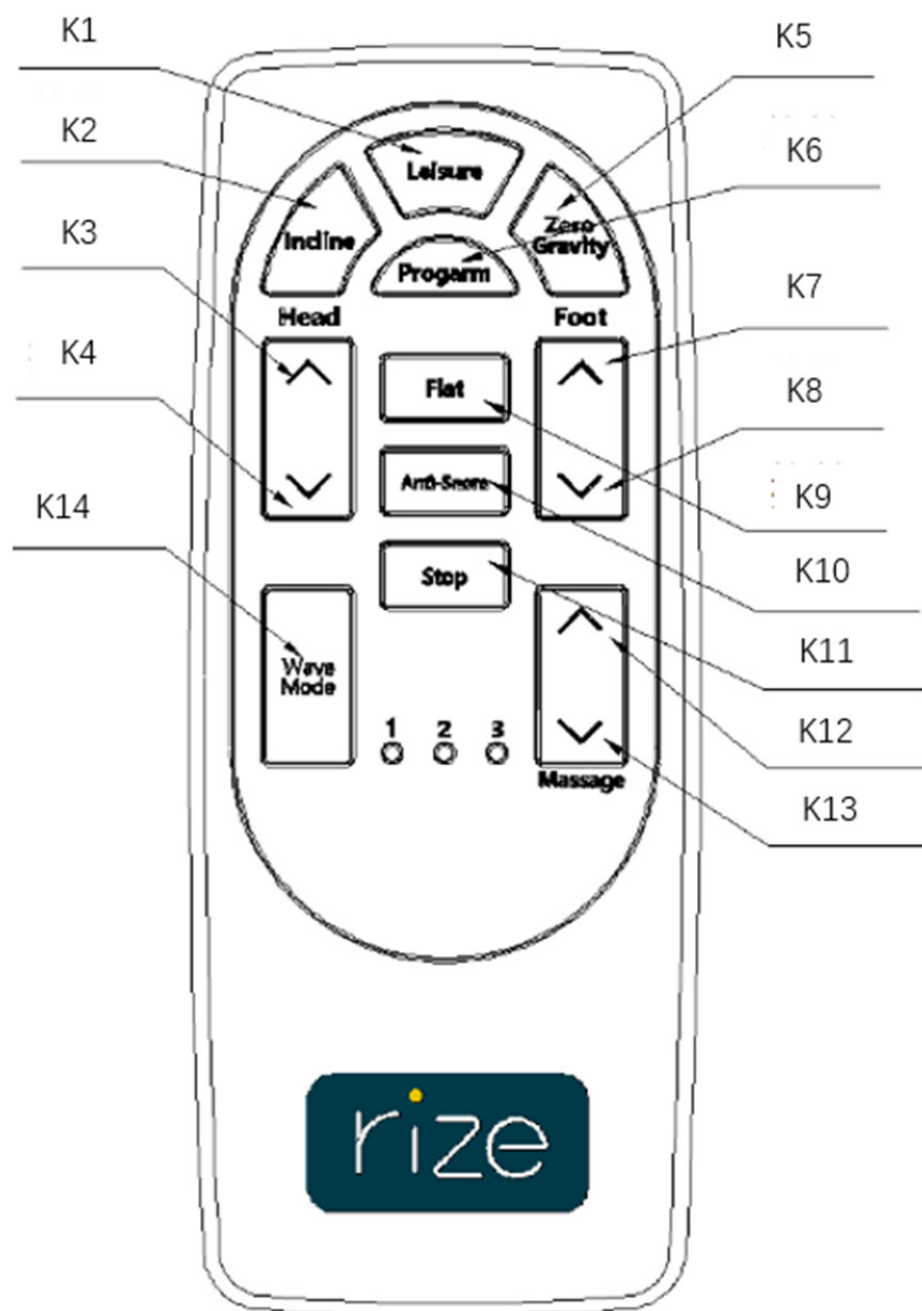


Outline of KDDY109B



Outline of H243B

#### IV、Manual controller key function description



## 1、Function of hand control device:

The serial number	name	function	note
1	Preset position	<p>1, K1 light touch press, the push rod running to a fixed position (Leisure mode) stop (head push rod travel: 42mm, leg push rod travel: 43mm).</p> <p>2. Press K2 gently and stop the push rod running to a fixed position (Incline tilt mode) (head push rod travel: 48mm, leg push rod travel: 32mm)</p> <p>3. Press K5 gently and stop the push rod running to a fixed position (zero gravity mode) (head push rod travel: 23mm, leg push rod travel: 37mm)</p> <p>4, K6 touch press, the putter does not move.</p> <p>5. K10 gently presses the push rod to a fixed position (Anti-Snore mode) and stops (head push rod stroke: 18mm, leg push rod stroke: 0mm).</p>	<p>1、 Press any key to stop the push rod during operation;</p> <p>2、 Perform the head putt first, then the leg putt</p>
2	Place of memory	<p>Press and hold 6+1/6+2/6+5/6+10 at the same time. After the backlight</p>	<p>1、 The position can be modified by the customer according to</p>

		<p>flashes for 3 seconds, the control box will remember the current position of the push rod; At the same time, the buzzer buzzes once and the backlight is off. Press K1, K2, K10 or K5 again, and the push rod will run to the corresponding memory position;</p>	<p>the itinerary after delivery; Hold down 6+1/6+2/6+5/6+10 for 3S to remember the current position (overwriting the previous position); At the same time, the control box buzzes once and the backlight flashes three times.</p> <p>2、 Press any key to stop the push rod during operation;</p>
3	Push bar 1 (head bar H) lift	<p>Press K3, push rod out, release will stop;</p> <p>Press K4, push rod retract, release will stop;</p>	
4	Putter 2 (leg putter F) lift	<p>Press K7, push rod out, release will stop;</p> <p>Press K8, push rod retract, release will stop;</p>	
5	Putt 1 and putt 2 (head and leg) fall together	<p>1. Long press K9 and pull back putter 1 and putter 2 at the same time after 3S;</p> <p>2. During the operation of the push rod, you can release the key (Note: press any key and the push</p>	<p>1. Short press is invalid</p> <p>2. During the operation of the push rod, press any key to stop the push rod, except Flat (K9) and Program (K6).</p>

		rod will stop, except Flat (9) and Frogram (6).	
6	Vibration mode switching and vibration intensity selection	<p>1, short press K14, each vibration mode switch starts from 1,123 cycle in turn; (Note: The corresponding indicator light is highlighted)</p> <p>2, long press K14, vibration mode automatically switch (1S at each interval), release will stop, to stay in the current gear vibration mode operation;</p>	<p>Mode 1: intermittent vibration with a slower frequency;</p> <p>Mode 2: intermittent vibration with higher frequency;</p> <p>Mode 3: intermittent vibration with the fastest frequency;</p> <p>The three modes are switched sequentially;</p> <p>If the change button is not operated within 15 minutes, the vibrating motor will automatically shut down (select the motor strength for the last time and start to calculate the time).</p>
7		3、 Short press K12, vibration motor enhancement (intensity is divided into four gears), each time press gradually strengthen.	The vibration motor can be opened by the rise button of the vibration motor (12) or by pressing the vibration mode (14) (Note: the

		<p>4、 Short press K13, the vibration motor weakens (the strength is divided into four gears), and gradually decreases with each press, and the motor stops with the fourth press.</p> <p>5、 Short press K11 to stop the vibrating motor.</p>	<p>intensity of the vibration motor is in gear 3 at this time).</p>
8	Lamp with	<p>K15 Gently press (the button on the back of the hand controller), and the light belt will turn on. Press it again, and the light belt will turn off.</p>	
9	pairing	<p>Method 1: Long press the pairing button of the control box for 3 seconds to enter the pairing state; Press the hand controller K3 and K7 within 15 seconds, hold for 3 seconds, the control box buzzes once, the pairing button stops blinking, and the background light of the hand controller flashes for 3 times, the pairing is successful;</p>	

		<p>Method 2: Power on the control box again after 5 seconds of power failure, and the control box enters the pairing state; Press the hand controller K3 and K5 within 15 seconds, hold for 3 seconds, the control box buzzes once, the pairing button stops blinking, and the background light of the hand controller flashes three times, the pairing is successful;</p>	
10	Clearing matches	<p>Method 1: Long press the pairing button of the control box for 3 seconds to enter the pairing state; Press the hand controller K4 and K8 within 15 seconds and hold for 3 seconds. The control box buzzes once, the pairing button stops blinking, and the background light of the hand controller flashes for 3 times. The pairing is successful.</p>	
		<p>Method 2: Power on the</p>	



		<p>control box again after 5 seconds of power failure, and the control box enters the pairing state; Press the hand controller K4 and K8 within 15 seconds and hold for 3 seconds. The control box buzzes once, the pairing button stops blinking, and the background light of the hand controller flashes for 3 times. The pairing is successful.</p>	
11	factory data reset	<p>Method 1: Long press the pairing button of the control box for 3 seconds to enter the pairing state; Press the hand controller K3 and K8 within 15 seconds and hold for 3 seconds. The control box buzzes once, the pairing button stops blinking, and the background light of the hand controller flashes quickly for 3 times.</p>	
		<p>Method 2: Power on the control box again after 5</p>	

		seconds of power failure, and the control box enters the pairing state; Press the hand controller K3 and K8 within 15 seconds and hold for 3 seconds. The control box buzzes once, the pairing button stops blinking, and the background light of the hand controller flashes quickly for 3 times.	
12	One control two	When the manual controller is paired with the control box A, it can be paired with the control box B, so that one controller can control the action of the control box at the same time	

#### V、Precautions

- 1, before use, please be sure to correctly connect according to the system connection diagram, and then switch on the main power supply;
- 2, children, the elderly and the disabled, please use under supervision;
3. Do not plug or remove any connection line when the power supply is switched on, which may cause operation function failure. In this case, you can cut off the main power supply and reconnect it after about 30 seconds.
4. Before the first use, the wireless hand controller should be paired with the control box. See Step 9 for the specific method;
- 5, the first use needs to be reset, to ensure that the memory position is accurate, the specific method to operate K9;
- 6, the control box can be paired with two hand controllers, if paired with the third, the first will be cleared. 7. Please replace the battery of the manual controller in time. If it is not used for a long time, the battery should be taken out.

**VI、 warning**

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.

**FCC warning:**

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

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Preparation:

Review: