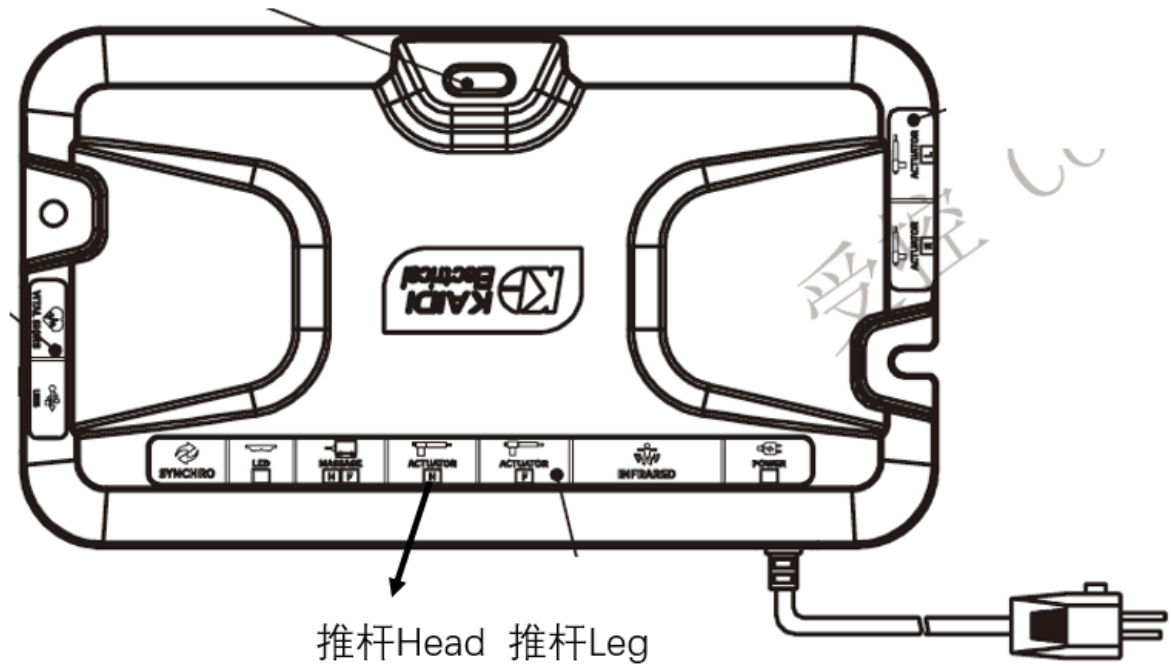
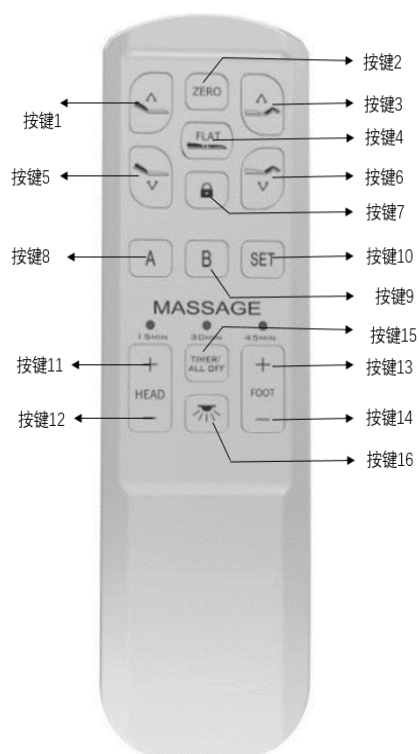


KDDYM002B+ KDH144+ Function specification

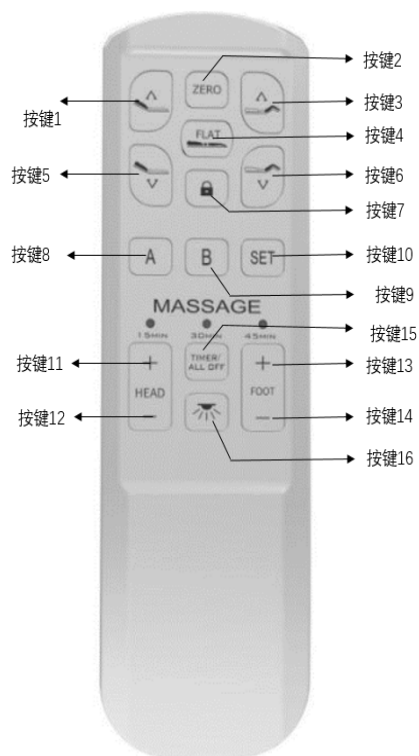
1. System connection diagram



2. Manual key function description



Hand controller 1



Hand controller 2

Hand controller 1 function:

Number	Name	function	comment
1	Head push rod lift	Press K1, push rod out, release stop; Press K5, push rod retract, release stop;	
2	Leg push rod lift	Press K3, push rod out, release stop; Press K6, push rod retract, release stop;	
3	Zero location	Long press K2, about 3 seconds after the control box buzzer rings, the control box memory of the current position of the push rod; Short press K2, push rod run to the key memory position;	Each memory key can only remember 1 group of positions, if the memory function is performed again, the key's last memory position will be updated to the new memory position; Press any key during the operation of the push rod to stop the operation; The memory location will not be cleared after power-on. Manual controller 1 and manual controller 2 do not interfere with

			the memory position.
4	FLAT	Long press K4, 1S after the leg and back push rod back, release and stop;	
5	Child lock function	K7 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	A memory key	Short press the K8 putter to run to the memory position;	
7	B memory key	Short press the K9 putter to run to the memory position;	

8	Memorize the setting key	Press and hold K10, 3 seconds, the background light flashes fast for 3 seconds and then stays on, press the A button or B button to remember the current position (overwrite the previous memory); At the same time, the supporting control box beeps 1 time, the background light is off;	Each memory key can only remember 1 group of positions, if the memory function is performed again, the key's last memory position will be updated to the new memory position; Press any key during the operation of the push rod to stop the operation; The memory location will not be cleared after power-on. Manual controller 1 and manual controller 2 do not interfere with the memory position.
9	The head shock motor is turned on and off	Short press the K11 head vibration motor gear enhancement (a total of three gears), each press gradually increases; Short press the K12 head vibration motor gear to decrease (a total of three gears), and gradually	

		decrease each time you press;	
10	The leg shock motor turns on and off	Short press the K13 foot vibration motor gear enhancement (a total of three gears), each press gradually increases; Short press the K14 foot vibration motor gear to decrease (a total of three gears), and gradually decrease each time you press;	
11	TIMER/ALL OFF	Short press the K15 button to switch the timing time, and the corresponding indicator lights up after selecting the timing time. Press and hold the button K15 for three seconds, and the vibration motor will turn off;	
12	Strip light	The light strip lights up red after the first short press on K16, the light strip lights up warm yellow after the second short press K16, the light strip lights up blue after	

		the third short press K16, and the fourth short press on K16 turns off;	
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Hand controller 2 function:

Number	Name	function	comment
1	Head push rod lift	Press K1, push rod out, release stop; Press K5, push rod retract, release stop;	
2	Leg push rod lift	Press K3, push rod out, release stop; Press K6, push rod retract, release stop;	
3	Zero location	Long press K2, about 3 seconds after the control box buzzer rings, the control box memory of the current position of the push rod; Short press K2, push rod run to the key memory position;	Each memory key can only remember 1 group of positions, if the memory function is performed again, the key's last memory position will be updated to the new memory position; Press any key during the operation of the push rod to stop the operation; The memory location will not be cleared after power-on. Manual controller 1 and manual controller 2 do not interfere with

			the memory position.
4	FLAT	Long press K4, 1S after the leg and back push rod back, release and stop;	
5	Child lock function	K7 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	A memory key	Short press the K8 putter to run to the memory position;	
7	B memory key	Short press the K9 putter to run to the memory position;	

8	Memorize the setting key	Press and hold K10, 3 seconds, the background light flashes fast for 3 seconds and then stays on, press the A button or B button to remember the current position (overwrite the previous memory); At the same time, the supporting control box beeps 1 time, the background light is off;	Each memory key can only remember 1 group of positions, if the memory function is performed again, the key's last memory position will be updated to the new memory position; Press any key during the operation of the push rod to stop the operation; The memory location will not be cleared after power-on. Manual controller 1 and manual controller 2 do not interfere with the memory position.
9	The head shock motor is turned on and off	Short press the K11 head vibration motor gear enhancement (a total of three gears), each press gradually increases; Short press the K12 head vibration motor gear to decrease (a total of three gears), and gradually	

		decrease each time you press;	
10	The leg shock motor turns on and off	Short press the K13 foot vibration motor gear enhancement (a total of three gears), each press gradually increases; Short press the K14 foot vibration motor gear to decrease (a total of three gears), and gradually decrease each time you press;	
11	TIMER/ALL OFF	Short press the K15 button to switch the timing time, and the corresponding indicator lights up after selecting the timing time. Press and hold the button K15 for three seconds, and the vibration motor will turn off;	
12	Strip light	The light strip lights up red after the first short press on K16, the light strip lights up warm yellow after the second short press K16, the light strip lights up blue after	

		the third short press K16, and the fourth short press on K16 turns off;	
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3. Pairing/unpairing methods

function button	definition	operating mode	comment
pair	The manual is paired with the control box	● Pairing method: Long press the pairing button of the control box for 3 seconds, and the control box will enter the pairing state ● Pairing duration: The pairing key blinks for 15 seconds ● Pairing action: During the manual control press the head rise button and leg rise button, keep 3S ● Successful pairing performance: the control box buzzes once, and the pairing key stops blinking;	Method 1
		● Pairing method: 5 seconds after the power off the control box, power it on again, and the control box enters the pairing state; ● Pairing duration: The pairing button starts blinking for 15S ● Pairing action: Press the head rise button and leg rise button by the hand controller for 3S during this period ● Successful pairing performance: the control box buzzes once, and the pairing key stops blinking;	Method 2
Clear pair	Unpair the manual with the control box	● Unpairing method: Long press the pairing button of the control box for 3 seconds, and the control box will enter the pairing state ● Unpairing duration: The pairing button starts blinking for 15S ● Cancel the pairing action: press the head down and leg down buttons during the manual control, and hold for 3S ● Cancel the pairing success performance: the pairing key of the control box stops blinking, pressing any key of the manual controller is invalid	Method 1
		● Unpairing method: Power on the control box again after the power is disconnected for 5 seconds. The control box enters the pairing state ● Unpairing duration: The pairing button starts blinking for 15S ● Cancel the pairing action: press the head down and leg down buttons during the manual control, and hold for 3S ● Cancel the pairing success performance: the pairing key of the control box stops blinking, pressing any key of the manual controller is invalid	Method 2

factory data reset	Control box restore factory Settings (including preset positions)	● Recovery method: Press and hold the pairing button of the control box for 3 seconds to enter the pairing state ● Recovery duration: The pair key starts blinking for 15 seconds ● Recovery action: During the manual control press the head up button and leg down button, hold for 3S ● Successful recovery performance: the control box buzzes once, and the pairing key stops blinking;	Method 1
		● Recovery method: After the power supply of the control box is disconnected for 5 seconds, power on the control box again, and the control box enters the pairing state ● Recovery time: The pairing button starts blinking for 15S ● Recovery action: During the manual control press the head up button and leg down button, hold for 3S ● Successful recovery performance: the control box buzzes once, and the pairing key stops blinking;	Method 2

comment:

1. Manual controller 1 and manual controller 2 have the same method of pairing, unpairing and restoring factory Settings;
2. After the pairing of manual controller 1 is completed, it enters the pairing state again, and pairs manual controller 2.
3. When only one hand controller is paired, only the functions on the hand controller are performed.
4. After the pairing is successful, the control box is powered off and re-powered, the original pair will not be cleared, and the paired manual controller can still be used;
5. At the same time, only one manual controller can work, and after the manual controller is hibernation, the other manual controller can work;
6. Push rod (Head) and (leg), when the push rod rises to the maximum stroke, the error before the two push rods is controlled within 2mm;
7. A control box supports a maximum of two controllers for pairing, when there is a third controller for pairing, the first controller pairing information will be squeezed out, and so on;
8. Restore factory Settings: When manual 1 is used to restore factory Settings, the head push rod and leg push rod corresponding to manual 1 retract to the end and stop, the pairing of manual 1 will not be cleared, the memory position of manual 1 is cleared, and the same

is true for manual 2;

4. matters need attention

- 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 insert or remove any cable when the power is on. This may cause operation failure. In this case, disconnect the main power supply and reconnect it in about 30 seconds.
- 4、 Before use for the first time, the wireless manual controller should be paired with the control box. For specific methods, see Manual pairing/unpairing method;
- 5、 Please replace the manual battery in time. Take out the battery if 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:

- 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.

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