 A Phoenix Mecano Company	Issue department: Bedding Division	Date:	2024-06-23
	Product Function instruction	Author:	Kyle
		No: CB2522	
CB.25.22	Version:	1.1	
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CB2522 User Manual

1. Product summary


This control box is used for intelligent electric bed control system, supporting 2 motors, 2 massage motors, 1 street lamp belt and expansion interface, which need to be used together with the company's remote control.

2. Electrical parameter

Interface instruction:	
1.HEAD MOTOR	for head actuator
2.FOOT MOTOR	for foot actuator
5.HEAD MASSAGE	for HEAD massage motor
6.FOOT MASSAGE	for FOOT massage motor
7.LED	for under bed lighting
8.MFP1	for USB output
9.MFP2	for extra function
10.SYNC	for Synchronize
11.POWER	for power supply

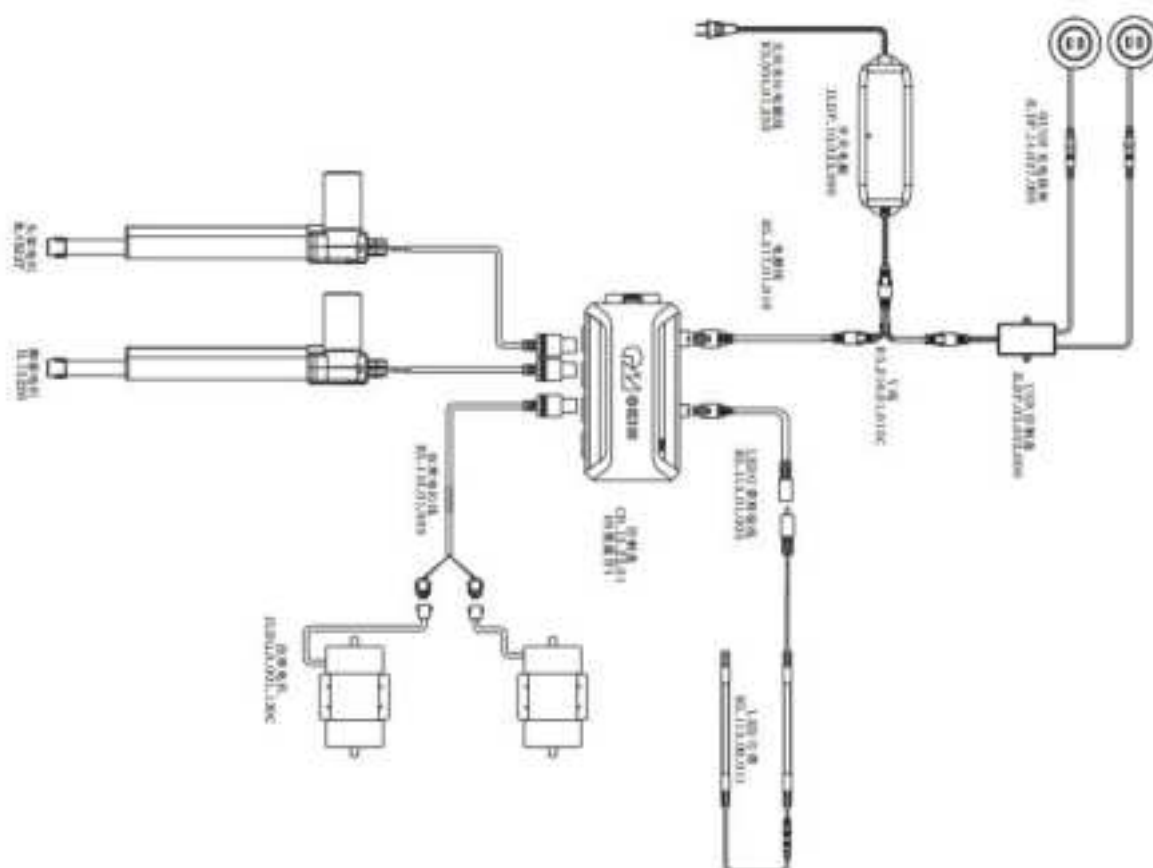
Function:								
function	actuator	motor	memory position (quantity)	memory position (program)	LED ban	Sync	Bluetooth	Power down box
	2	2	4	Yes	Yes	Yes	Yes	NO


Technical parameter:	
color/surface:	see DIA-1810
duty cycle:	2/18 min.or 10%, max, 5 switching cycles per minute
working voltage:	18-30V DC
quiescent@29V:	35mA

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Protection type:	IP 20
Protection class:	III
relative humidity:	30% - 75%
storage temperature:	-20°C - + 50°C
working temperature:	+10°C - +40°C

3. Product composition



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4. Product Picture



5. Operation method

1. HEAD port


Press and hold HEAD UP button of remote, head actuator moves out, stop when released;

2. FOOT port

Long press the corresponding button, the foot driver extends, release the driver to stop running

3. Under-bed lamp port

Click the UBB button to turn on the under-bed light, then click to turn off

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4. Head massage motor port

Each time the "HEAD - button is clicked, the vibration intensity of the massage motor decreases by one level, and the massage intensity is 3 levels in total. 0-3-2-1-0 intensity cycle

5. Foot massage motor port

Each time you click the FOOT - button, the vibration intensity of the massage motor decreases by one level, and the massage intensity has a total of 3 levels. 0-3-2-1-0 intensity cycle

6. MFP2 port

Connect to WIFI box or Bluetooth or anyother device.

7. SYNC port

Connect with the same other Control box or Other accessories;

8. Power LED & PAIRING LED

Power supply for control box, PAIRING LED of control box is blue, POWER LED is green.

9. Power port

Connect to the 29V DC;

10. Pair Function


Double click Pair button, pairing LED turns on, the control box enters into mode of code paring;
Press and hold the paring LED of Remote, the backlight of paring LED flashes, the backlight of remote flashes, the remote enters into mode of code paring;

The backlight of paring LED of remote stops flashing, and the paring led of control box turns off, it indicates that the code paring is successful;

If fails, repeat all the processes above;

11. MFP1 port

Connect to slideswitch

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IC RSS warning

This device complies with Industry Canada licence-exempt RSS standard (s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.


ISED RSS Warning:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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FCC Statement:

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.

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.

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.