

 <b>DEWERT OKIN</b>	Issuing Department: R&D Department	Creation Time:	2022-07-11
	<b>Functional Test Guidance</b>	Creator:	Eric
		<b>No: MC242SC</b>	
	<b>Functional Test Guidance</b>	Version:	1. 0
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## JLDP.15.038.201 Functional Test Guidance

### Design Change History

Date	Version No.	Release Notes	Author	Approver	
				Signature	Position
2022-07-11	V1. 0	<p>Added intelligent relaxation and intelligent decompression processes;</p> <p>Added serial port to obtain Bluetooth name;</p> <p>Added one - click sleep customization function, added slow start function, software version is 38006-132;</p> <p>Improved the waiting time for custom one - click sleep, modified the flat timeout from 60 seconds to 120 seconds, software version is 38006-133;</p> <p>Removed checksum from Bluetooth control and feedback commands, software version is 38006-134;</p> <p>Improved the need to interrupt the process after the one - click sleep process is completed, software version is 38006-135;</p> <p>Modified one - click sleep process + full - process slow start operation, improved slow start interruption, software version is 38006-142</p>	Eric		
2025-03-19	V1. 1	Changed stroke ripple, added self - inspection function, software version is 38015-143;	Hervey		

制作 Made by:

检查 Checked by:

确认 Confirmed by:

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		Changed the flat button to "double - click to flatten, single - click to turn off massage", software version is 38201-103;			

## Ripple Data

Position Name	Motor1	Motor2	Motor3	Motor4
ZERO-G	3600	13000	Reserved	Reserved
Leisure	9900	5800	Reserved	Reserved
TV	12200	10200	Reserved	Reserved
Snoring	3600	00	Reserved	Reserved
Music	7320	5800	Reserved	Reserved

## 一、Test Work Preparation

Remote Control:JLDK. 100. 19. 15

Main Control Box: JLDP. 15. 038. 201

Name	ORE Product Model	Reference Quantity
Head Driver		1
Foot Driver		1
Headrest Driver		1
Lumbar Driver		1
Sonic Massage Motor		2
Power Supply	3.00.209.033.00	1
Extension Cord	73178	1
American Standard Cord	3.00.401.151.30	1

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## 1. Pairing and Software Version

After the control box is powered on, the pairing LED flashes, with a default duration of 10s;

Power - on pairing process:

1. After power - on, the main control box pairing LED flashes, and the pairing indicator flashes for 10s, which is the pairing mode;
2. Press and hold the pairing button inside the remote control battery cover, the background light of the pairing button flashes, and the remote control enters the pairing mode;
3. The backlight of the remote control for pairing stops flashing, and at the same time, the control box pairing LED is always on, indicating successful pairing;
4. The upper computer software reads the software version 38201-103
5. Select BUILD INFO and then query, as shown in the following figure.

## 2. Head Driver Extension Test

Single - click and hold the head up button, the head driver extends, and release the button to stop the action immediately;

## 3. Head Driver Retraction Test

Single - click and hold the head down button, the head driver retracts, and release the button to stop the action immediately;

## 4. Foot Driver Extension Test

Single - click and hold the foot up button, the foot driver extends, and release the button to stop the action immediately;

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## 5. Foot Driver Retraction Test

Single - click and hold the foot down button, the foot driver retracts, and release the button to stop the action immediately;

The lower 4 bits of the second last byte in the serial data indicate the head motor position, 0: Bottom; 1: Top; 2: Middle.

The upper 4 bits of the second last byte indicate the foot motor position, 0: Bottom; 1: Top; 2: Middle.

## 6. Headrest Driver Extension Test

Single - click and hold the tilt up button, the headrest driver extends, and release the button to stop the action immediately:

## 7. Headrest Driver Retraction Test

Single - click and hold the tilt down button, the headrest driver retracts, and release the button to stop the action immediately:

## 8. Lumbar Driver Extension Test

Single - click and hold the lumbar up button, the lumbar driver extends, and release the button to stop the action immediately:

## 9. Lumbar Driver Retraction Test

Single - click and hold the lumbar down button, the lumbar driver retracts, and release the button to stop the action immediately:

## 10.Under - bed Light Test

Single - click the UBB button and the under - bed light switches its on/off state:

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## 11. Flat Test

Double - click the flat button and release it, the head, foot, headrest and lumbar drivers run to the lowest position (when the drivers are idle, the vibration motor can be turned off with one click and the vibration motor indicator can be turned off), and any button pressed will stop the action immediately; Single - click the flat button and release it to directly turn off the massage;

## 12. ZG Position Test

Single - click the zero - gravity button and release it, the head and foot drivers run to the pre - set memory position, and any button pressed will stop the action immediately;

## 13. TV Position Test

Single - click the viewing button and release it, the head and foot drivers run to the pre - set memory position, and any button pressed will stop the action immediately; (The memory position can be customized)

## 14. Lounge Position Test

Single - click the Lounge button and release it, the head and foot drivers run to the pre - set memory position, and any button pressed will stop the action immediately; (The memory position can be customized)

## 15. Custom Position Button (Viewing, Reading) Test

The customization process of the head driver and foot driver is as follows:

Single - click the FLAT button to flatten the drivers;

Operate the head up, head down, foot up or foot down buttons to adjust the head driver and foot driver to the desired position;

Press the button for the position to be customized (for example: viewing, reading) and hold for 5 seconds, the remote control backlight flashes, indicating that the customization of the head driver and foot driver is completed;

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The custom position settings can be restored to the default setting state. Long press the zero - gravity + one - click flat button for about 5 seconds, and the remote control backlight flashes, indicating that the default position restoration setting of the head driver and foot driver is completed (the custom default parameters of one - click sleep can be restored).

## 16. Head Massage Motor Test

Single - click the head massage button, the vibration intensity of the head motor increases by 1 level. There are 3 levels of massage intensity, with the intensity cycling as 0 - 4 - 6 - 8 - 0, and the default massage time is 10 minutes;

## 17. Foot Massage Motor Test

Single - click the foot massage button, the vibration intensity of the foot motor increases by 1 level. There are 3 levels of massage intensity, with the intensity cycling as 0 - 4 - 6 - 8 - 0, and the default massage time is 10 minutes;

## 18. Massage Motor Time Test

Single - click the massage time button, the vibration time of the head and foot motors increases by 10 minutes. There are 3 levels of massage time, with the time cycling as 0 - 10 - 20 - 30 - 0, and the default massage intensity is 4;

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## 19. 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 minimum distance 20cm between the radiator&your body.

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## 20. IC Statement:

This device complies with Innovation, Science and Economic Development Canada's licence - exempt RSSs. 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'Innovation, Sciences et Développement économique Canada 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.

## 21. RF exposure warning:

This equipment complies with radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with Minimum distance 20cm between the radiator and your body.

L'environnement du millipascal incontrôlés, leurs conditions normales d'utilisation de maintenir, au moins 20cm avec les utilisateurs.