

MESSAGE DEVICE

Model: CMK-323

User Manual

(Version: V1. 0)

Table of Contents

Foreword	4
1. Safety Guide	4
1.1 Contraindications	4
1.2 Warnings and Precautions	4
2. Device Description	6
2.1 Intended Use / Indications for Use	6
2.2 General Description	7
2.3 Device Drawing	7
2.4 Package Contents	8
2.5 Specifications	9
3. Instructions of Use	9
3.1 Preparation Before Use	9
3.2 Operation for use	10
3.3 Special Use Tips	14
4. Cleaning, Maintenance and Storage	15
5. Trouble Shooting	15
6. Disposal	16
7. Warranty Conditions	16
8. Label Symbols	18
9. Electromagnetic Compatibility	18
10. Contact Information	24

FCC Statement: 25

 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. 26

Foreword

Thank you very much for your purchase of MASSAGE DEVICE (model: CMK-323). Before using the device, please read the User's manual carefully, so that you can operate it correctly for best results. The User's manual should be kept for your future reference.

1. Safety Guide

Please read the entire instructional manual before using the MASSAGE DEVICE. It will give you a better understanding of how the product works. If you are not sure which kind of medical conditions you are suffering from, you should preclude yourself from using this device, and consult your doctor. The MASSAGE DEVICE is intended to relieve muscle and joint pain, relieve arthritis, and provide heat.

1.1 Contraindications

For the following patients, they should not use the device:

- Psychoses (e.g. Schizophrenia, bipolar disorder, endogenous depression)
- Personality disorders
- Epilepsy and similar seizure disorders
- Heart conditions
- Diseases of the central nervous system
- Thrombosis
- Endogenous depression
- ADHD (under-active)
- Recent heart attack or stroke
- Mental disability
- Addictions such as to drugs or alcohol or dependency on medication
- Regular intake of psychotropic drugs
- Pregnancy

1.2 Warnings and Precautions

- This device does not require any maintenance.
- Any possible repairs may only be carried out by authorized expert staff.
- Improper use and unauthorised repairs are not permitted for safety reasons and lead to loss of warranty.
- Never touch the power plug with wet hands.
- Please avoid contact of the device with water, high temperatures and direct sunlight.

- To avoid the danger of short-circuits, disconnect the power cord when not used for long periods of time.
- Do not use any damaged cables, plugs or loose sockets.
- If plugs or cords are damaged, they must be replaced by the manufacturer, a service representative or by qualified personnel.
- In case of malfunction, disconnect immediately from the mains.
- Misuse or incorrect use excludes any liability for damage.
- In order to avoid excessively stimulating the muscles and nerves, the recommended massage time of 30 minutes should not be exceeded.
- Each massage – even a hand massage – must be refrained from during pregnancy or if one or more of the following complaints are present in the massage area: recent injuries, thrombotic diseases, all kinds of inflammations and swellings, and cancer. It is recommended to consult a doctor before having a massage for the treatment of ailments and illnesses.
- Do not use this device while driving.
- If you are dependent on electrical aids e.g. pacemakers, please be sure to consult your doctor for medical advice before taking a massage.
- Children are not allowed to play with the device.
- Persons who are sensitive to heat shall be careful when using the unit.
- Please use accessories that are specified/authorized by manufacturer only. The use of unauthorized accessories may cause damage to the unit or danger to the operator/patient.
- Do not use the unit in areas of high humidity, such as the bathroom or in the shower as this may cause damage to the unit.
- If the unit is not working properly or you feel uncomfortable during use, stop the treatment.
- Do not use the device in the presence of the following:
 - a) When there is a tendency to hemorrhage following acute trauma or fracture.
 - b) Following recommendation of doctor after surgery.
 - c) Over areas of the skin that are damaged, cut, with rash or blistered;
- **Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.**
- **This device complies with Part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:**
 - a) **this device may not cause harmful interference, and**
 - b) **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.
- **FCC/IC Radiation Exposure Statement:**((for mobile device)
 - a) This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.
 - b) This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- **FCC/IC Radiation Exposure Statement:**(for portable device)
 - a) This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment.
 - b) This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

2. Device Description

2.1 Intended Use / Indications for Use

The MESSAGE DEVICE (Model: CMK-323) is indicated to be used for:

- Relieves pain associated with arthritis;
- Relieves minor muscle aches and pains;
- Relieve muscle spasm;
- Temperature improvement in local circulation;

2.2 General Description

MASSAGE DEVICE (model: CMK-323) designed has 4 massage heads to offer massage and optional soothing heat therapy. The back muscles can be massaged by moving silicon massage heads plus two other fixed massage heads. The massage speed of the device can be adjustable and the massage heads can provide heating which makes the user feel warmer and more comfortable.

2.3 Device Drawing

The overviews of the device show below:

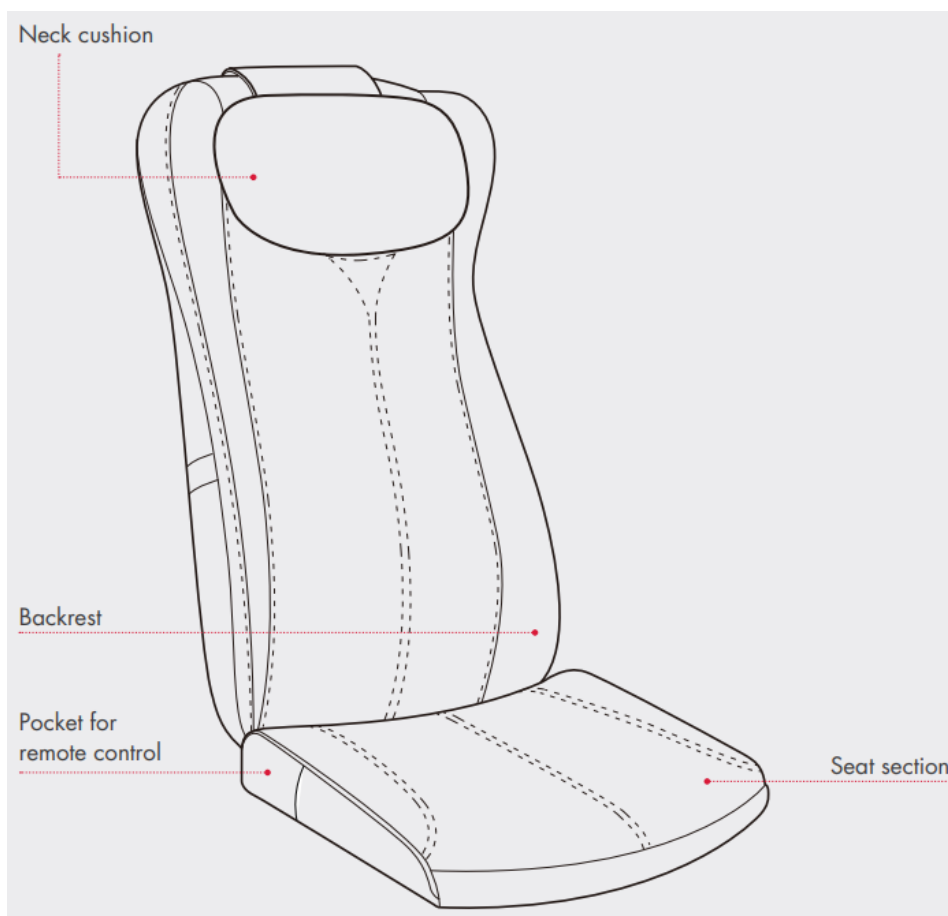
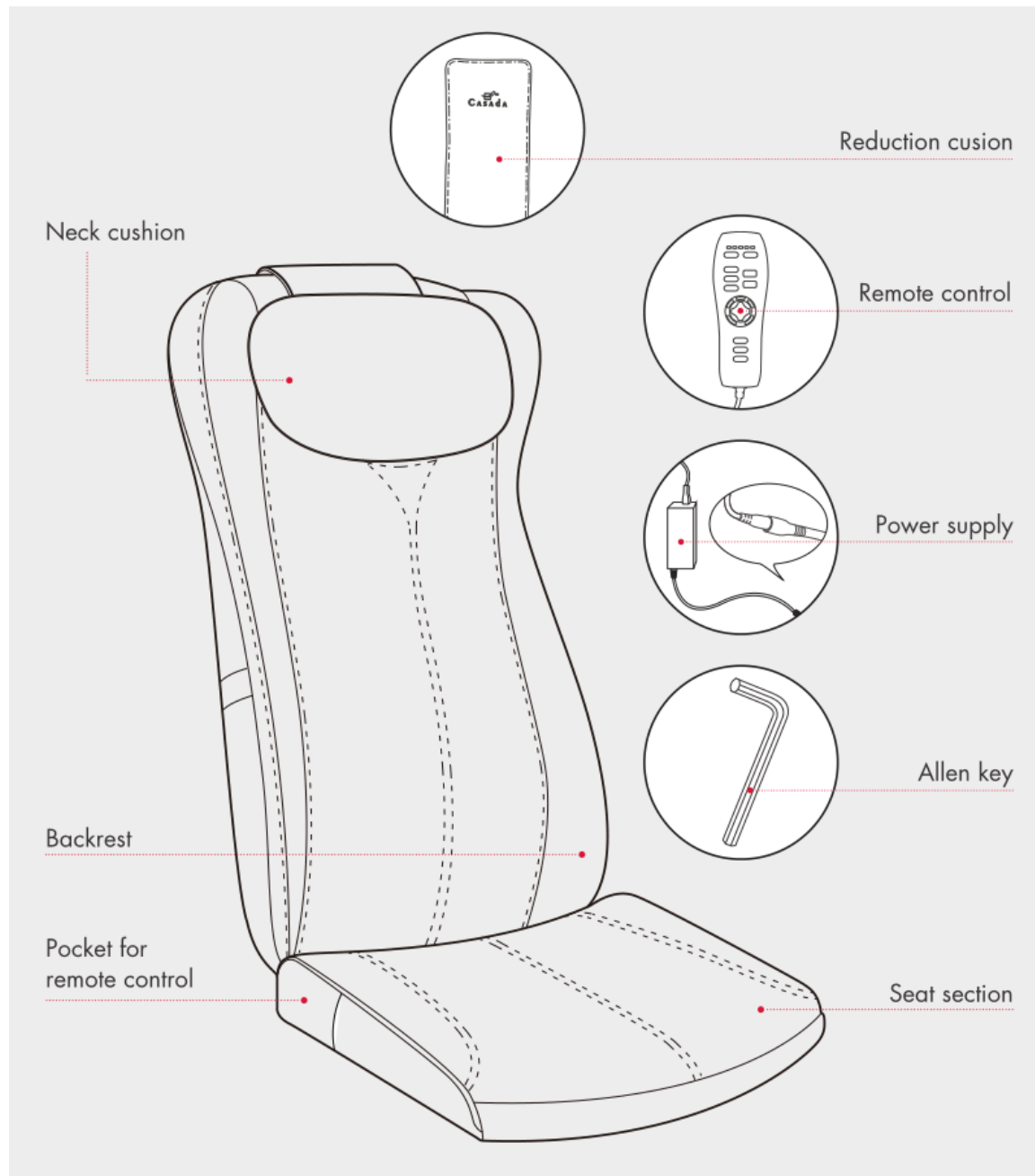


Fig.2.3.1 Product Image

2.4 Package Contents



- Power supply unit 24 volts: x1
- Manual: x1
- Neck cushion: x1
- Backrest: x1
- Seat section: x1
- Reduction cushion: x1
- Remote control: x1
- Allen key: x1

2.5 Specifications

Backrest dimensions	75 × 45 × 20 cm
Seat part dimensions	7.5 × 45 × 42 cm
Weight	10 kg
AC adaptor voltage	Input: 100-240V~, 50/60 Hz Output: 24Vd.c, 2500mA
Automatic runtime	15 minutes
Recommend treatment time	30 minutes
Shelf life	2 years
Operating Environment	Temperature: 5 °C ~40 °C; Humidity:30~85%RH Atmospheric Pressure:700hPa ~1060hPa
Storage Environment	Temperature:-25° C ~ 60° C Humidity: 10~90%RH Atmospheric Pressure: 70~106 KPa

3. Instructions of Use

3.1 Preparation Before Use

3.1.1 Open the box, remove the power supply unit and place it within reach.

3.1.2 Take the black fabric bag out of the box carefully, open the zip fastener and remove the Quattromed V and the seat cushion packaged in protective film.

3.1.3 Remove the protective film.

3.1.4 REMOVING LOCKING SCREW:

Carefully loosen the screw with the attached Allen key on the back of the massage device.

A screw is applied on the back of the product to protect the Quattromed apparatus during shipment. Remove the screw before use.

Attention: The screw is not to be used again. Just remove it.

3.1.5 The overlay/cover can be separated from the backrest using a zip fastener and the neck cushion (Figure 1) can be separated from the backrest in the head area using a hook & loop fastener. Before the first use, remove the protective cardboard between the cover and the device. The padded backrest ensures a gentler massage. For an intensive massage, remove the backrest.

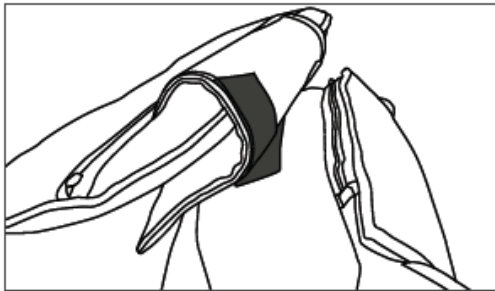
3.1.6 Back and seat section are not connected to each other at the time of delivery. For parallel use, remove the remote control from the pocket in the seat section and now attach both

parts via the zip fastener (Figure 2).

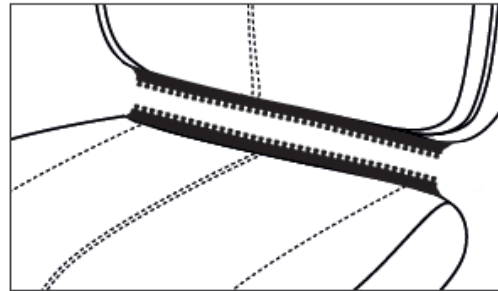
3.1.7 Then plug the cables together as shown (Figure 3).

3.1.8 Position the CMK-323 on a suitable chair or armchair. The massager is equipped with back strap that allow user to faster onto most chairs. Place the massager on a chair, wrap the two end of the strap at the back of the chair then secure with Velcro.

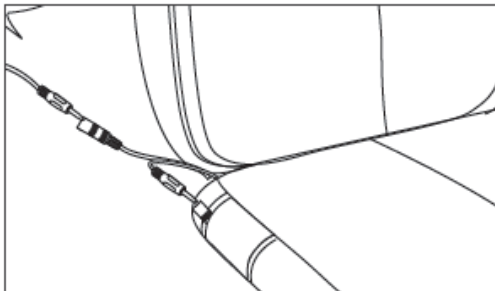
3.1.9 Finally, connect the power supply unit with the connection cable (Figure 4), plug the power plug into the socket and turn the Quattromed V on using the red 'ON/OFF' button.



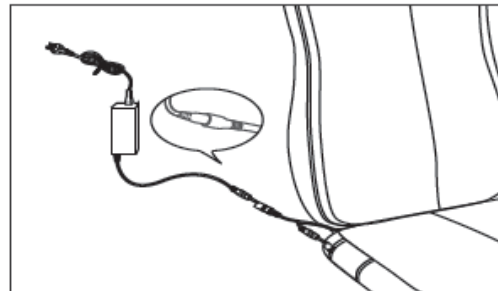
(Figure 1)



(Figure 2)



(Figure 3)



(Figure 4)

3.2 Operation for use

You can control the device and your treatment through the remote control. The operation and functions have been detailly and instructed as follows:

If the massage movement is not at the bottom, the movement will reset itself (the ON/OFF light is shining during the reset process, and all keys are invalid). After the movement is reset to the bottom, the ON/OFF indicator will be off.

When not in use, please press ON/OFF key to shut down the machine, do not cut off the power immediately, until the movement is reset, cut off the power to stop using.



1. **Power:** Switch the device on/off.
2. **Auto Programme:** The massage device is equipped with 3 automatic programmes. Press [Programme] and choose between CALM (blue LED), REFRESH (green LED) and RECOVERY (red LED). The motor resets after each selection. The massage device will start the automatic programme afterward.

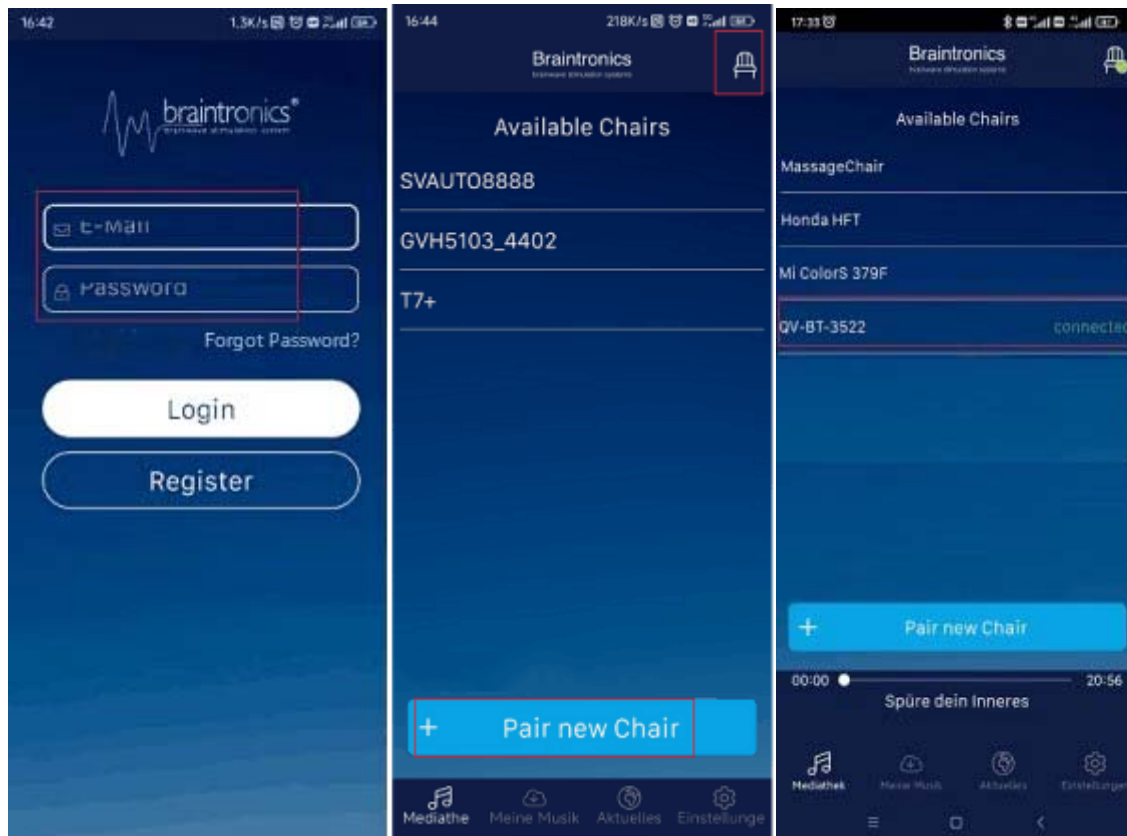
CALM:	Just lean back, tune out, rest, relax and recover.
REFRESH:	Fight the signs of fatigue and regain your energy.
RECOVERY:	Penetrating massage techniques. Ideal massage for strengthening and relieving your back.

3. **Height:** If you have chosen [Automatic programme] / [FULLBACK] / [UPPER] / [LOWER], press [Height] to activate the height limitation function. To return to the maximum height, press [Height] again.

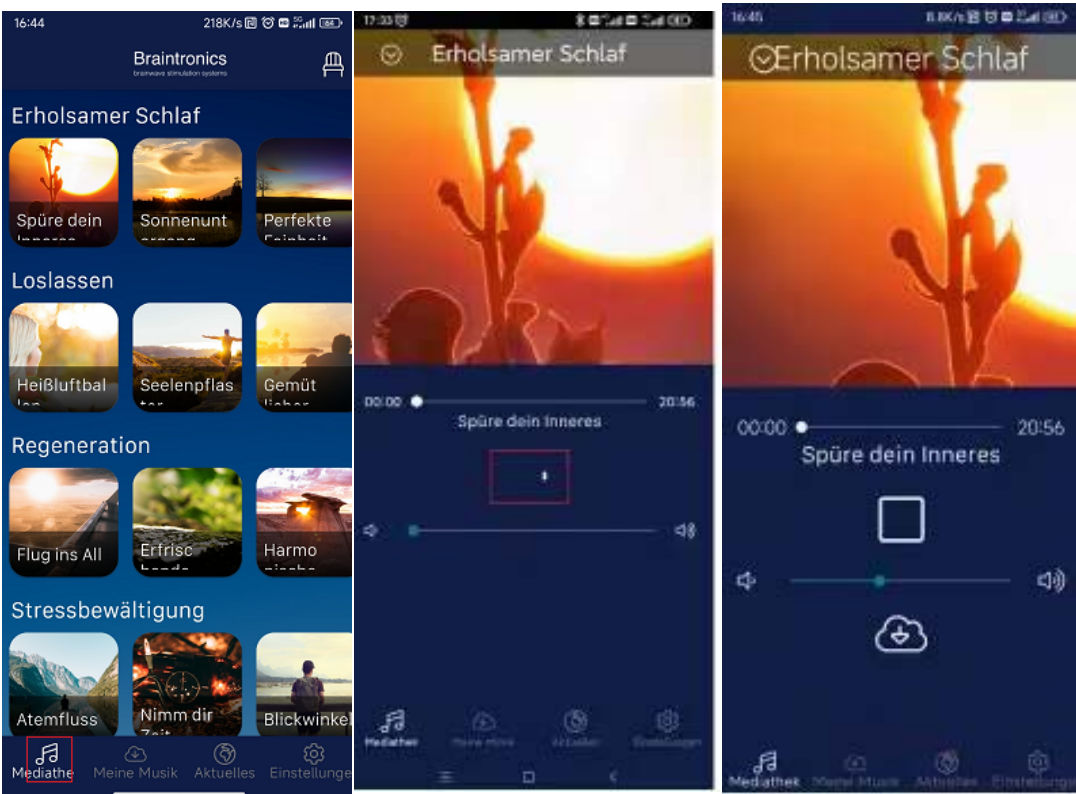
4. **Heating:** The [Heating] function is active at the start of the programmes [Tapping]/[Shiatsu]/[Auto]. To switch the heating function off or on again during the massage, press the button again.
5. **Vibration:** The [Vibration] can be switched on or off at any time during the functions [Tapping]/[Shiatsu]/[Auto]/[Area]. Press the [Vibration] button to start the vibration function. The vibration runs on a 1.5-minute cycle.
6. **Shiatsu:** Press the [Shiatsu] button to start the Shiatsu function. The standard speed is medium. If the massage device is running in auto mode, the auto mode will thus be stopped. To end, press [Shiatsu] again.
7. **Tapping:** This key is effective only when ON/OFF is enabled. Press once, the jitter function is performed on the back movement, and the jitter intensity is medium by default. The corresponding indicator light will be on (if the massager works in automatic mode at this time, exit the automatic mode). Press again to turn off the jitter function.
8. **Slow/Fast:** The tapping speed can be set to three levels: fast-medium-slow. The functions [Slow] and [Fast] only run when [Tapping] is selected. Press the [Slow] button to reduce the tapping speed and the [Fast] button to increase it.
9. **Slow-Fast/ Fast-Slow:** The functions [Slow – Fast] and [Fast – Slow] only work when [Tapping] is selected. Press one of the two buttons and the intensity changes automatically for the duration of the massage, from slow to fast or from fast to slow.
10. **Width:** The [Width] function only works when [Tapping] is selected. [Width] is not possible in the [Shiatsu] function. Each time the [Width] button is pressed, the width of the massage rollers adjusts in 3 steps, from narrow to wide. When the [Width] button is pressed for a 4th time, this activates an automatic run-through of all the width settings.
11. **Lo/Hi:** The Shiatsu intensity can be set to three levels: fast-medium-slow. The functions [LO Shiatsu Speed] and [HI Shiatsu Speed] only run when [Shiatsu] is selected. Press the [LO Shiatsu Speed] button to reduce the Shiatsu intensity and the [HI Shiatsu Speed] button to increase it.
12. **Up/Down:** Control keys for the massage rollers for exact positioning on your back. During the localized massage you can alter the massage area upwards or downwards by holding down these buttons.
13. **Fullback:** Basic programme for the entire back. The programme massages the individual sections of the back using the “rolling” massage technique. The functions [Tapping]/[Shiatsu]/[Heating]/[Vibration] can be turned on optionally.
14. **Upper:** Basic programme for the upper back. The programme massages the individual sections of the back using the “rolling” massage technique. The functions [Tapping]/[Shiatsu]/[Heating]/[Vibration] can be turned on optionally.
15. **Lower:** Basic programme for the lower back. The programme massages the lower sections of the back using the “rolling” massage technique. The functions [Tapping]/[Shiatsu]/[Heating]/[Vibration] can be turned on optionally.

The device also has a music mode, which is entered by following these steps:

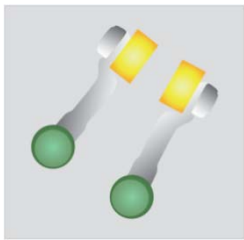
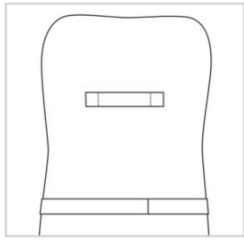
1. Make sure your phone has Internet access and download and install app "Braintronics_base.apk";
2. Open the APP. If you do not register, you can log in with the following account:
Login: viktor.peters@casada.com
Password: 12345678
After successful login, the following picture:

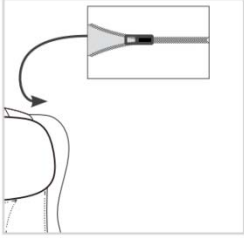



3. Then the prompt to enable the Bluetooth function of mobile phone will pop up (the Bluetooth function of mobile phone can be enabled in advance). After Bluetooth is enabled, find the corresponding Bluetooth "QV-BT-XXXX" and input the configuration code (the default is 1234).
4. After successful pairing, click "Play" in the following figure, which will close the current running function of the massaging device. After successful shutdown and reset, the massaging mode of music will be started on the device for 21 minutes; Press the power button of the hand controller to shut down and exit the music massage mode, reset and clear the 21-minute countdown.



3.3 Special Use Tips

	<p>The Quattromed V massages with a total of four massage heads using the massage techniques “Shiatsu, Tapping, and Rolling”. The back muscles are massaged by moving silicon massage heads plus two other fixed massage heads. The massage heads can provide heating which makes the user feel warmer and more comfortable.</p>
	<p>The upper strap at the back serves as a support for arranging and positioning your Quattromed V and is not suitable for transportation needs. Please carry your massage device firmly with both of your hands while transporting. The lower Velcro strips serve as a fixation of the Quattromed V at the desired seating and offer a secured stand during the massage.</p>

	<p>The overlay/cover of your Quattromed V can be removed via the zipper and Velcro fastener on the backrest for cleaning.</p>
	<p>For a vibration massage on your soles disconnect the seating part via the zipper and place it comfortably beneath your feet.</p>

4. Cleaning, Maintenance and Storage

- Do not wash in the washing machine or immerse the product or the adapter in water.
- Always switch it off before cleaning and remove the adapter from the socket with clean, dry hands.
- The massager should be wiped with a slightly moist cloth and dried thoroughly. Do not wipe the product with alcohol or harsh chemicals such as thinner or bleach.
- Do not overstretch the elastic back straps.
- Keep away from heat, fire, or exposure to direct sunlight.
- Do not apply excessive pressure or impact onto massager/massage heads. Application of a direct force in excess of 110 lbs. may damage your massager and invalidate your warranty. Refrain from over usage of the device.
- Avoid contact with sharp edges or pointed objects which might cut or puncture the cover of the massager.
- Recommended storage: Store the massager in a cool, dry place and free of dust. Keep away from heat, fire, or exposure to direct sunlight.

5. Trouble Shooting

Problem	Solutions
The device is connected to the mains, however neither the device nor the remote control operation work.	Check whether all connections are correctly paired. Ensure that the power supply is fully connected.

The device is connected to the mains. The vibration in the seat is running and cannot be switched off. Remote control and massage do not work.	The device can overheat if used permanently. Therefore, turn it off, disconnect it from the mains power supply and let it cool down completely.
The device is connected to the mains. Vibration massage does not work.	Check whether the connectors are correctly paired for the vibration and power supply unit.

6. Disposal

1. Device and accessories beyond the shelf life should be disposed of according to local regulations.
2. To dispose of packing materials, take appropriate actions in accordance with the rules and regulations in force in your area to prevent adverse ecological effects.

7. Warranty Conditions

The retailer guarantees a statutory period of warranty for the product described on the reverse. Warranty is valid from the date of purchase. The purchase date must be documented with proof of purchase. The retailer will repair or replace free-of-charge all items covered in Germany for which faults have been discovered. A prerequisite is that you send the faulty device with proof of purchase before the guarantee or warranty period expires. The warranty claim shall not be applicable if a fault is established which has arisen e.g. due to external influences or as a consequence of a repair or modification which was not carried out by the manufacturer or an authorised dealer.

The following points are not part of the warranty:

- Wear parts, e.g. abrasives, working synthetical parts, fabric covers, overlay / cover.
- Engine sounds up to 72 dB to 30 cm.
- Wear caused by improper use.
- Commercial use e.g. exhibition use, repeated use without intermediate breaks of 40 minutes.
- Exposing the device to heat, humidity of liquids.
- Damage due to sharp and/or sharp-edged objects.
- Wanton destruction, misappropriation, overloading or accidental damage.
- Damage and soiling by domestic animals.
- Contamination caused by body or hair care products.
- Damage caused by use of acids, solvent or alcohol agents.

The warranty granted by the retailer is limited to repair and exchange of the product. Under this warranty, the manufacturer or the retailer shall have no further liability and are not responsible for

damages which have arisen due to disregard of the operating instructions and /or improper use of the product.







Where upon examination of the product by the manufacturer it is found that the warranty request does not concern a defect covered by the warranty or that the warranty period has expired, the customer must bear the costs for the inspection and repair.

As manufacturer, ensures the delivery of faultless goods to buyers/partners.

Proven production faults are entitled to an exchange after registration and confirmation.

8. Label Symbols

Label symbols used and explanation are shown in the following table:

1.		Indicates the date when the medical device was manufactured
2.		Indicates the manufacturer's serial number so that a specific medical device can be identified
3.		Indicates the medical device manufacturer
4.		The symbol indicates that the product should not be discarded as unsorted waste but must be sent to separate collection facilities for recovery and recycling.
5.		Type B Applied Part
6.		Refer to user manual

9. Electromagnetic Compatibility

The MESSAGE DEVICE has been tested and found to comply with the electromagnetic compatibility (EMC) limits for medical devices. These limits are designed to provide reasonable protection against harmful interference in a typical medical installation.

CAUTION:

Do not use this device simultaneously with devices having high EMI levels.

Manufacturer's declaration – electromagnetic emissions

The MESSAGE DEVICE is intended for use in the electromagnetic environments specified below. The customer or the user of the MESSAGE DEVICE should assume that it is used in such an environment.

Emissions test	Compliance	Electromagnetic environment - guidance
RF emissions CISPR 11	Group 1	The MESSAGE DEVICE use RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in

		nearby electronic equipment.
RF emissions CISPR 11	Class B	The MESSAGE DEVICE is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	
Voltage function / flicker emissions IEC 61000-3-3	Complies	

Manufacturer's declaration – electromagnetic immunity

The MESSAGE DEVICE is intended for use in the electromagnetic environment specified below. The customer or the user of the MESSAGE DEVICE should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Electrostatic discharge (ESD) IEC 61000-4-2	± 8 kV for contact discharges ± 2 kV, ± 4 kV, ± 8 kV and 15 kV for air discharges	± 8 kV for contact discharges ± 2 kV, ± 4 kV, ± 8 kV and 15 kV for air discharges	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrostatic transient / burst IEC 61000-4-4	±2kV	±2kV	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	+0.5kV, +1kV, +2kV line to ground	+0.5kV, +1kV, +2kV line to ground	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input	0%UT 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°,	0%UT 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°,	Mains power quality should be that of a typical commercial or hospital environment. If


lines IEC 61000-4-11	270°, 315° 0%UT 1cycle 70%UT 25/30cycle Signal phase at 0° 0%UT 250/300cycle	270°, 315° 0%UT 1cycle 70%UT 25/30cycle Signal phase at 0° 0%UT 250/300cycle	the user of the MASSAGE DEVICE requires continued operation during power mains interruptions, it is recommended that the MASSAGE DEVICE be powered from an uninterruptible power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	 30 A/m	 30 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE U_T is the a.c. mains voltage prior to application of the test level.			

Manufacturer's declaration – electromagnetic

The MASSAGE DEVICE is intended for use in the electromagnetic environment specified below. The customer or the user of the MASSAGE DEVICE should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
---------------	-------------------------	---------------------	--

Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80MHz	3 Vrms 150 kHz to 80MHz	<p>Portable and mobile RF communications equipment should be used no closer to any part of the MESSAGE DEVICE, including cables, than the recommended separation distance calculated from the equation application to the frequency of the transmitter.</p> <p>Recommended separation distance</p> $d = \left[\frac{3.5}{V_1} \right] \sqrt{P}$
	6 Vrms in ISM bands between 0,15 MHz and 80 MHz 80 % AM at 1 kHz	6 Vrms in ISM bands between 0,15 MHz and 80 MHz 80 % AM at 1 kHz	
Radiated RF IEC 61000-4-3	10V/m 80 MHz – 2,7 GHz 80 % AM at 1 kHz	10V/m 80 MHz – 2,7 GHz 80 % AM at 1 kHz	$d = \left[\frac{3.5}{E_1} \right] \sqrt{P} \quad 80 \text{ MHz to } 800 \text{ MHz}$ $d = \left[\frac{7}{E_1} \right] \sqrt{P} \quad 800 \text{ MHz to } 2.7 \text{ GHz}$ <p>Where p is the maximum output power rating of the transmitter in watts(W) according to the transmitter manufacturer and d is the recommended separation distance in metres(m).^b</p> <p>Field strengths form fixed RF transmitters, as determined by an</p>
	3V/m 80 MHz – 2,7 GHz 80 % AM at 1 kHz	3V/m 80 MHz – 2,7 GHz 80 % AM at 1 kHz	

			<p>electromagnetic site survey, ^a should be less than the compliance level in each frequency range. ^b</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol:</p> 
<p>NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.</p> <p>NOTE 2 These guidelines may not apply in all situations. Electromagnetic is affected by absorption and reflection from structures, objects and people.</p>			
<p>^a Field strengths from transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the MESSAGE DEVICE is used exceeds the applicable RF compliance level above. The MESSAGE DEVICE should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the MESSAGE DEVICE.</p>			
<p>^b Over the frequency range 150kHz to 80 MHz, field strengths should be less than 3V/m.</p>			

Recommended separation distances between portable and mobile RF communications equipment and the MESSAGE DEVICE	
<p>The MESSAGE DEVICE is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the MESSAGE DEVICE can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the MESSAGE DEVICE as recommended below, according to the maximum output power of the communications equipment.</p>	
<p>Rated maximum output of transmitter</p>	<p>Separation distance according to frequency of transmitter</p> <p>m</p>

W	150 kHz to 80 MHz $d = [\frac{3.5}{V_1}] \sqrt{P}$	80 MHz to 800 MHz $d = [\frac{3.5}{E_1}] \sqrt{P}$	800 MHz to 2.7 GHz $d = [\frac{7}{E_1}] \sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For transmitters rated at a maximum output power not listed above the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

Table - Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment

Test Frequency (MHz)	Band (MHz)	Service	Modulation	Immunity Test Level (V/m)
385	380 to 390	TETRA 400	Pulse modulation b) 1 8 Hz	27
450	430 to 470	GMRS 460, FRS 460	FM c) ± 5 kHz deviation 1 kHz sine	28
710	704 to 787	LTE 13, 17 Band	Pulse modulation	9

745			b)	
780			21.7 Hz	
810	800 to 960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE 5 Band	Pulse modulation	28
870			b)	
930			1.8 Hz	
1720	1700 to 1990	GSM 1800, CDMA 1900, GSM 1900, DECT, LTE 1, 3, 4, 25 Band, UMTS	Pulse modulation	28
1845			b)	
1970			21.7 Hz	
2450	2400 to 2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation	28
			b)	
			21.7 Hz	
5240	5100 to 5800	WLAN 802.11 a/n	Pulse modulation	9
5500			b)	
5785			21.7 Hz	

10. Contact Information



Zhangzhou Easepal Electronics Co., Ltd.

Address: 2nd Floor, No. 6 Building, Easepal Factory, No. 228, Jiaosong Road,
Jiaomei Town, Zhangzhou Taiwanese Investment Zone, Zhangzhou City, Fujian
Province, 363107, P.R.



Casada International GmbH

Obermeiers Feld 3, 33104 Paderborn, Germany

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.

IC Statement:

This device complies with Industry 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.
- (3) Le présent appareil est conforme aux CNR d'Industrie 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.