#### maxell

Household Use

Low Frequency Pulse Massager **MXTS** Model: MXTS-MR200

## User Manual

**Insert in Package** 

Warranty card on back cover



Characteristics Safety Caution . Name of Parts and Motion ..... Preparation Before Use......11 Using the Gel Sheet · · · · · 14 Using the Device · After Use · · Storage · Maintenance Troubleshooting -Device Disposal Warranty and After Service ..... 25 Specification ...

Table of Contents

- Thank you very much for buying this product.
- Please read the user manual in advance and use the product safely.
- Please read the safety caution before use.
- Please keep it properly after reading.

#### <About the user manual>

- Contents of this user manual might be changed in the future without prior notice.
- For product improvement, change of appearance or specification might not be announced in advance.

#### Characteristics

This is a low frequency pulse massager for household use which uses lithium-ion battery as power supply. Re-chargeable and reusable.

#### Uses • Effects

Relax tight shoulders Massage effect to prevent further contraction of paralysis of muscles

## Safety Caution

- Please read the safety caution before use and use the product correctly.
- Safety caution is intended to ensure the product is used safely and correctly, and to prevent harm or damage to people and other people who use it.
- Safety caution is categorized as follows. They are important contents concerning safety, please follow accordingly.



Warning refers to misuse which /!\ Danger | might lead to death or serious injury.

Please strictly follow

Please strictly follow

#### Safety Caution

Please strictly follow



Warning refers to misuse which might lead to death or serious



Caution refers to misuse which might lead to injury. And may

cause property damage\*1.

1: Physical damage refers to extensive damage involving houses, household goods livestock, and pets

<Key>



stands for [prohibited] (actions must not happen). (Symbol on left means prohibited to decompose)



stands for [forced] (actions must follow) Symbol on left means must follow)

• Please keep this user manual properly after reading so this manual can be reviewed anytime when using this product.



## /!\ Danger

Prohibited to use with the following electronic medica equipment. Heart rate regulator implanted in the body.

) Medical equipment to maintain life such as cardiopulmonary machine, etc.

3) ECG and other external electronic medical equipment It may cause medical electronics accidents and impediment to the body.

# /!\ Warning



he following people must consult the doctor before use

People with malignant tumor. People with infectious disease

regnant women or shortly after delivery. People with heart failure People with a body temperature above 38 degree.

celsius (fever). Acute inflammatory symptoms such as extreme fatigue, chills, blood pressure changes, weak, et People with anemia. People who skin is abnormal (inflection, wounds, etc.) at

polication area. People with abnormal blood pressure.

) People who feel abnormal and need resting. 1) People with vertebral fracture, sprains, muscle torn o imilar acute (pain) disease.

2) People with perceptual disorders resulting from dvanced endovascular disorders due to diabetes, etc. 13) Except the above mentioned, people feels abnormal or It may cause accident or physical deterioration.

Be sure to turn off the power supply when removing the

Otherwise, you may receive a strong electric shock.

If you feel physically abnormal when using this product, stop using it immediately and consult with a doctor. ailure to do so may result in an accident or poor health



 Do not pour water and liquid on the device. Do not store in highly humid locations such as bathroom.

his may cause electric shock. his may cause malfunction of the device

# /!\ Warning

- Never use around your heart, head, face, mouth, and vulva or on body parts with skin problem.
- Never use in combination with other therapy devices and pharmaceutical creams (including medical sprays).

This may cause accidents or physical deterioration.

- · Do not sleep during use.
- Do not use for purposes other than therapy. • Never let children, dependent people or people who
- cannot operate the device to use alone.
- Never let children play or sit on the device.
- Do not put the device into mouth. Do not use in hot locations.
- This may cause accidents or injury
- Never use power supply other than AC100V.
- Do not use damaged AC plug or USB cable.
- Ensure the AC plug is well connected to the power socket and no rubbish is found nearby.
- This may cause electric shock, short circuit or fire. If the device, AC plug or the USB cable is broken, please
- contact the seller or maxell customer service center for maintenance.
- Do not allow the gel sheet to get in touch with metal accessories such as belts and necklaces.

This may cause electric shock.

## **!** Warning



Do not plug in or unplug the power plug with wet hands.

This may cause electric shock.



Never remodel, disassemble the device or repair. This may cause fire, malfunction or injury.





When using for the first time or using after a long period of non-use, read the user manual carefully and check that the operation button and timer (automatically stops after about 15 minutes) function normally before use.

his may cause accidents or injury.

If use of the device leads to problems such as skin rashes, red skin and itchy skin, stop immediately and consult a doctor.

This may cause accidents or physical deterioration

Use 15 minutes in maximum for the same body part a day. Continuous use may result in muscular or neuropathic pair

If there is no result after a period of continuous use. stop using and consult a doctor. This may cause accidents or physical deterioration

If the device is broken or cannot function normally, stop using immediately.

This may cause accidents or physical deterioration.

## **!** Caution

Do not leave the gel sheet on your body.

Do not use other electronic devices such as mobile phones during use.

nis may cause accidents

Do not use before or during driving. This may cause traffic accidents.

Do not put the device and its accessories into fire. his may cause accidents or injury.

Never use right after eating or drinking alcohol. This may cause nausea, accidents or physical

- deterioration. Do not use other AC adapter and USB cable for
- charging except the exclusive one in the package. Do not use exclusive AC adapter and USB cable to
- charge other devices. Do not damage the AC adapter and the USB cable. Clean the AC plug regularly to avoid accumulation of

This can cause accidents or malfunction.

In case of power failure, turn off the power supply and remove the gel sheet from your body, If you are charging the device, remove the AC plug from the socket. This may cause accidents or injury.

- When using the connection cable, take care to prevent it becoming entangled with the neck.
- Do not connect the connection cable connector to anything other than the device and gel sheet.
- Failure to do so may result in an accident or injury.

When flashing LED indicator turns from green to red

• Ensure the power supply and the indicator light are off.

during treatment, the device enters the status of

## Safety Caution



- Never use or store the device in the following locations Locations in direct sunlight.
- Locations with high temperature or humidity. Wet locations.
  Dusty locations.
  Close to flames/fire Locations easily subject to vibrations or shock.
- Location in strong electromagnetic fields (e.g. near a Locations with high temperature (e.g. inside a car during summer, on heating pads and devices).

Do not turn on the power supply when you get in

touch with the power output connector. his may cause electric shock. Do not wipe with benzene, thinner or alcohol. his may cause malfunction or fire.

Do not step or apply strong force on the device and

ts accessories. his can cause malfunction or injury. Do not look directly at the LED indicator for an extended period of time. The eyes may be affected adversely

his may cause electric shock.

Do not use wet hands to operate or use the device.

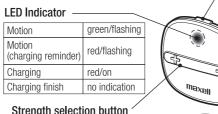
Do not allow the device or its accessories to get wet. nis mav cause electric shock, short circuit or fire

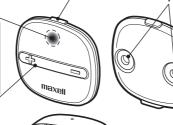
Remove the AC plug from the socket except during If there is abnormality during charging, immediately

remove the AC plug from the socket.

## Name of Parts and Motion

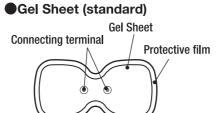
Device LED Indicator red/flashing (charging reminder) red/on Charging





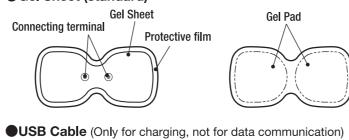


Accessories Adapte (Model: KH-320)

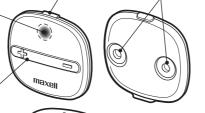


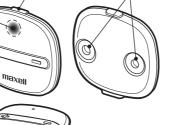
Micro USB plug ── □

USB plug —

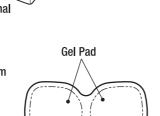


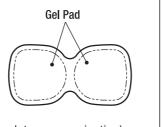
# Power/Mode select button





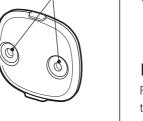
**USB Power** 

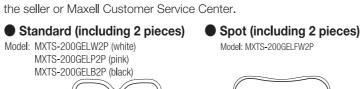


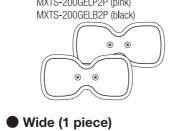


## Accessories

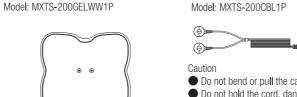














device or gel sheet.

Do not connect the connection cable

connector to anything other than the

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## Preparation before use

• Please read the "safety caution" (P2-8) carefully before use.

### • Charge the device before first time of use. Charging instructions

Power supply must be AC100V and use exclusive AC adapter.

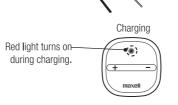
LISB nower

' USB cable

Red light turns off

output connector

Connect the device and the AC adapter with the USB cable. Insert the plug into the socket. Micro USB power supply connector Micro USB cable fully plugged



- Charging takes about 3 hours.
- Every charging could support 7 treatments. (Usage environment and conditions may affect the number of · Battery life of lithium-ion battery is limited
- (Storage environment and conditions may affect the life of the battery. Please follow the user manual. If the number of treatments significantly reduces, it is due to battery life.)

• The LED indicator is off Long time of non-use may drain the lithium-ion battery and LED indicator may not be turn on. Please remain charging and LED

indicator light will turn on, and charging starts at the same time.

• Do not charge during use For safety, the product will stop automatically during charging. During charging, please do not remove gel sheet from the device, and stick the protective sheet on the device for safety purpose.

**?** Remove the AC plug from the socket, and remove the USB cable from the device and AC adapter after charging. • Do not hold the cord when removing the USB cable.

This device uses lithium-ion battery. Follow the tips below to maintain its performance.

Please charge when the red LED is flashing which is a "charging reminder"

(1) Do not charge after every treatment.

(2) Charge under 10-35°C. Due to the nature of the battery, charging under high or low temperatures will reduce battery performance. (3) Store the device at a cool, dry location.

Do not store in locations in temperature above 40°C or below

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(Continue at the back)

During charging

## "charging reminder". Please charge the device.

to avoid over-discharge.

Charging reminder Treatment may automatically stop after entering the status of "Charging reminder"

Placing the gel sheet

Take out the gel sheet

from the bag.

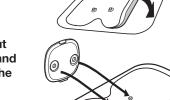
• Peel off the protective film, and paste the gel sheet onto the protective sheet.

Connect the power output connector of the device and the power connector of the gel sheet.

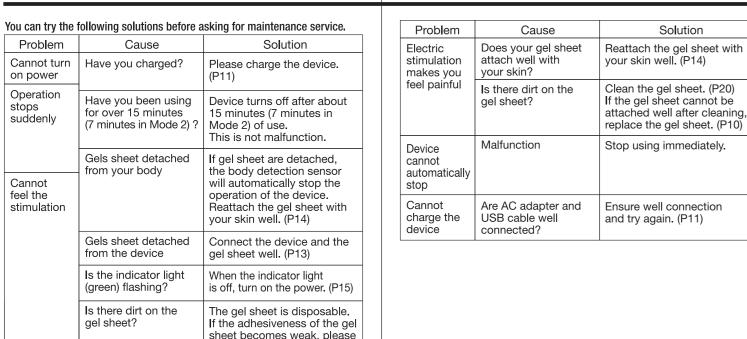
 Connectors of gel sheet can be used in either right or left direction







# Using the gel sheet Remove the gel sheet from the protective sheet. Attach the gel sheet to the body part well. Illustrations of the use on different body parts • Wipe away the sweat, liquid and dirt before use. Adhesive ability may be reduced. • Do not bend the gel sheet. Avoid touching the gel sheet surface with your fingers as much as possible. 14 **Troubleshooting** Problem Cause on power Operation Have you been using stops for over 15 minutes suddenly from your body stimulation



Adjust the intensity by

pressing the strength selection button. (P16)

Is the intensity at a

## Using the device

- When using for the first time or using after a long period of non-use, check the operation button and timer (automatically stops after about 15 minutes) function normally, and ensure there is no abnormal sound when device operates.
- Ensure the gel sheet is attached well to your body before turning on the device.
- Press the Power/Mode button for about 1 second for turning on the device. There will be a "beep" sound and the LED
- as 1 and the intensity level is 1 when the device turns on. \* When LED indicator flashes in red, the device enters the status of "charging reminder". Please charge the device. (P11)

indicator will flash in green. The mode is prese

♠ Press the Power/Mode button continuously to select the desired mode.

There are 5 modes available. Press to switch mode. When mode switches, the number of "beep" sounds you hear is the same as the mode number.

Example: When switched to Mode 3 (neck and shoulders), you will hear a "beep-beep-beep" sound.

Mode 2 Mode 3 Mode 4 Mode 5 Automatic  $\rightarrow$  Quick  $\rightarrow$  Neck and shoulders  $\rightarrow$  Waist  $\rightarrow$  Legs

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#### **?** Press the strength selection button to adjust the intensity.

- There are 10 levels of intensity. Press "+" to increase intensity. Press "-" to decrease intensity.
- Intensity is preset as 1. When you get used to that, increase intensity gradually. You can adjust intensity during treatment.

The device stops automatically after

- \* People who do not get used to high intensity, start from intensity level 1 and shorten the time of treatment.
- The flashing speed of the LED indicator varies in accordance with intensity.
- 15 minutes of use. \* Only Mode 2 (Quick) automatically stops after about 7 minutes.

#### **Stopping the treatment**

Press Power/Mode button for about 1 second, indicator light goes off and device will turn off.

#### After use

Please ensure power is off, the LED indicator is off and the device stops.

Remove gel sheet from your body slowly.

#### Place the gel sheet on the protective sheet.

- The gel sheet can be pasted on any side of the protective sheet.
- If two pieces are included, paste the gel sheets on both sides.
- Check that no dirt or dust is attached to the protective sheet before pasting the gel sheet.

## Storage

- Ensure power is off and avoid storing at locations in high temperature, high humidity, direct sunlight or dusty locations.
- Store at locations out of children's reach. • Ensure no dirt and dust during long period of storage.
- Charge once every 3 months during long period of storage. The lithium-ion battery will totally discharge and may not be able to re-charge if not charge regularly.

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• Do not place foreign objects on top of the device.

#### Maintenance

Please ensure power is off, the LED indicator is off and the device stops.

#### Maintenance of device

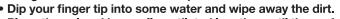
- Please use dry and soft cloth to wipe away the dirt on the
- For severe dirt, please use wet soft cloth to wipe away the dirt on the device gently. Please squeeze out water from wet cloth before wipe.



• Do not uapply any water to the device or immerse in water. • Do not use benzene, thinner alcohol or similar solvent.

#### Maintenance of gel sheet

• If the adhesiveness of the gel pad becomes weak due to dirt or dust present on the gel pad surface, remove the device from the gel sheet, and peel off the protective sheet for the maintenance work. (The standard maintenance interval is after using the device about 10 times.)



- Place the gel pad in a well-ventilated location until the surface is naturally dried.
- The gel sheet is disposable. If the adhesiveness of the gel sheet becomes weak, please replace it with the designated type. (P10)

- Do not allow the adhesive sides of the gel pads to adhere to each other.
- Do not rub the surface with a nail or brush. Do not soak the surface in water
- When naturally drying the surface, avoid direct sunlight.
- Do not wipe off the gel pad with tissue paper or dry cloth.

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- Do not bend the gel sheet or damage it.

## **Device Disposal**

## **!** Danger

Do not charge the removed lithium ion battery or following. (reason of heat, fire, crack)

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- Do not put into fire, do not heat.
- Do not pierce, shock, disassemble, remodel. Do not touch + - terminal by metal.
- Do not put together with necklace, hair pin, etc.
- Do not put close to flame or fire or any hot location.

# /!\ Warning

Removed lithium ion battery should keep out of reach of

Should you think it was swallowed, consult a doctor immediately. In case of liquid leakage from the battery, do not touch with bare hands and follow below.

• If liquid gets into the eye, do not rub, please clean with plenty of clean water immediately and consult a doctor.

• If liquid gets onto the body and clothes, please clean with plenty of clean water and consult a doctor if necessary.

Please do not decompose the device other than disposal. leason of fire, electric shock, injury).

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This device use lithium ion battery. Lithium ion battery is valuable resource and can be recycled. During disposal of the product, please remove the lithium battery, and recycle the battery through shops recycle service.

• To avoid overstimulation, the device has built-in human body

detection sensor. If the gel sheet is not attached well to your

body, the body detection sensor turns off. You will hear the

"beep-beep" sounds at 5-second intervals, and the device

• If the body detection sensor is off, the device does not provide

After the gel sheet is attached, the device starts in the specified

treatment, but you can set the mode and intensity level.

automatically stops after about 60 seconds.

mode and intensity level.



For details of shops recycle service, it is mentioned in JBRC webpage.

チウムイオン電池は http://www.jbrc.com

Besides lithium battery, there may be other recyclable parts from the device. For disposing other parts, please follow the disposal guidance from your residential district.

#### Way of taking out the lithium-ion battery

- Please continue to use the device until it cannot operate totally. Then allow the battery to discharge.
- 1 Insert a minus screwdriver into L the gap of the device and open the case.



**?** Remove the two screws which are used to fix the base, and then remove the base.



# **Warranty and After Service**

Please be careful and avoid injury when carrying out the

Never allow the leads of the battery (red and black) touch

 Warranty Card Please keep the warranty card and proof of purchase

above steps.

with each other.

(such as receipt) properly. Period of warranty last for 1 year after the date of purchase.

• Enquiries on the product

the following:

## **Specification**

Category	Machine tool 78 Household use electrotherapy device
Common Name	Household use low frequency pulse massager
Category of medical equipment	Control medical equipment
Product Name	Low frequency pulse massager MXTS
Medical Device Certification Number (Japan)	229AKBZX00042000
Rated Voltage	DC3.7V (Lithium ion battery)
exclusive AC adapter model: KH-320 (charging)	Input: AC100V 50-60Hz 0.4W Output: DC5V 0.04A
Maximum output current	Below 10mA
Basic voltage frequency	Approx. 1-100Hz
Maximum output voltage	Approx. 42V max
Power consumption (operating)	Approx. 0.1W
Power consumption (charging)	Approx. 0.2W
Output pulse width	200µ seconds
Rated time	Approx. 15 minutes
imension (device)	H44 x W44 x D10.5mm
imension (gel sheet)	H61 x W125 x D0.5mm
Veight	Approx. 25g
Manufacturer	ZHANGZHOU EASEPAL INDUSTRIAL CORPORATION
Manufacturer and distributor	日立マクセル株式会社 福岡県田川郡福智町伊方4680 電話:0947-22-0585

This may cause short circuit or burns.

Take out the battery from the

base and cut the leads near

the connectors.

If you have any enquiries on the product, please contact