

# SANTAMEDICAL

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## **ELECTRONIC PULSE MASSAGER**

Model: LFM-110

### Operating Manual

**IMPORTANT:**

**Please read all instructions carefully before using this product. Retain this manual for future reference.**

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# IMPORTANT NOTICES TO USERS

**DANGER**



- Do not use this device if you are using an implanted electronic medical device such as a pacemaker or other life-maintaining device.
- Do not use this unit if you are wearing electronic medial devices for monitoring health functions.

**WARNING**



If you have one of the following conditions please consult with your physician before purchasing or using this device. If you have any doubt about your health status, please consult your physician prior to use.

Acute disease, malignant tumor, infective disease, pregnant, heart disease, high fever, abnormal blood pressure, lack of skin sensation, abnormal skin condition, any condition requiring the active supervision of a physician.

**NOTICE**



- Do not use this device while driving.
- Do not use this device while sleeping.
- Do not use this device in high humidity areas such as a bathroom.
- Keep this device out of the hands of children.
- Stop using this device immediately if you feel pain, discomfort, dizziness or nausea and consult your physician.
- Do not attempt to move the electrode pads while the device is operating.
- Do not use the device around the heart, on the head, mouth, pudendum or any damaged or blemished skin areas.

## Introduction

Santamedical Electronic Pulse massager is a user friendly product. It delivers electric impulses to tired and sore muscles. These impulses are generated by the device and delivered through electrodes to the skin in direct proximity to the target muscles. Your muscles respond to the impulses by contracting and relaxing rhythmically, which sends soothing massage sensations to relieve muscle tension and soreness.

Six auto programs and three massage modes provide various combinations of massage sensations. Your body tends to get accustomed to one particular sensation and will eventually stop responding to it, the different Program and massage modes available on this unit ensures that your body does not become desensitized to the massager.

Our electronic pulse massager is helpful relieving pain for

- Minor aches and pain in various parts of the body such as waist, shoulders, joints, hand and feet
- Stiff neck muscles
- Sore muscles from over exercising etc

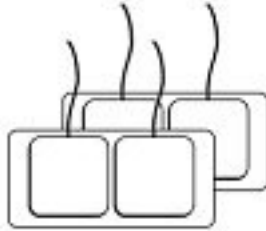
Use regularly to improve resistance to fatigue while increasing endurance; relax muscles and relieve muscular spasms; accelerate microcirculation and promote the absorption of inflammatory substances. This product is easy to use and carry, take it with you and use it wherever you are.

## Features

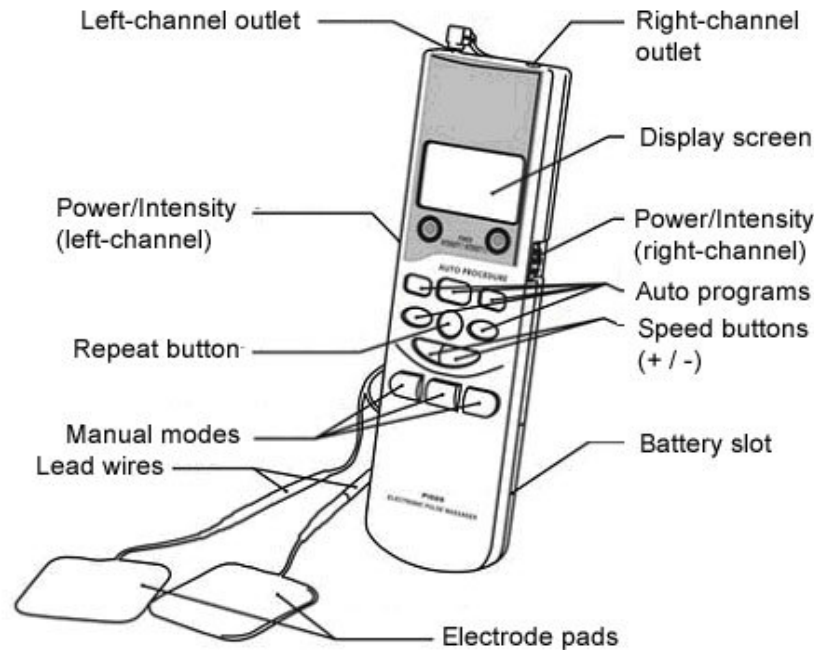
- Dual-channel: for simultaneous use on two users or the ability to use 4 pads
- 6 auto programs
- 3 massage modes
- Intensity range: 0-80 volts
- Pulse rate: 0-120 Hz adjustable
- Pulse width: 0-200 us
- Timer: 15 minutes
- Electrodes: 1.5" x 1.5", 4/pkg

## SPECIFICATIONS

- Liquid crystal display
- 6 volts power provided by (4) AAA batteries
- Frequency is 60Hz
- Main unit measures 2.25"W x 7.75"L x 7/8" H
- Unit weighs 8 oz (after loaded with battery)
- System includes: main unit, (4) self-stick hypoallergenic electrode pads, (2) lead wires.



## PART IDENTIFICATION AND FUNCTIONS



### Power/Intensity buttons

- Turns device on or off
- Adjusts intensity level (strength of the pulse)

**Auto program buttons** - 6 auto stimulation programs designed specifically for the following body parts: Waist, Shoulder, Joint, Sole, Hand and Foot and Repeat Button. Please refer to next page for program details.

**Repeat button** – during any of the auto program, should you desire a certain massage sensation to be repeated, press this button. The device will continue to stimulate at that sensation until button is pressed again and Repeat is deactivated.

**Speed buttons** – controls the number of pulse per second

- (+) increases pulse rate
- (-) decreases pulse rate

**Manual mode buttons** – select from one of three massage sensations:

- Massage: 100~250us pulse width, variable speed. Period 16ms, operate 4s cease 1s
- Beat: 500us pulse width, speed 1s, speed adjustable.
- Knead: 100~250us pulse width with variable speed. Period 16ms, operate 4.5s cease 0.5s

**LCD screen** – displays program or massage style, intensity and remaining session time.

## SETUP

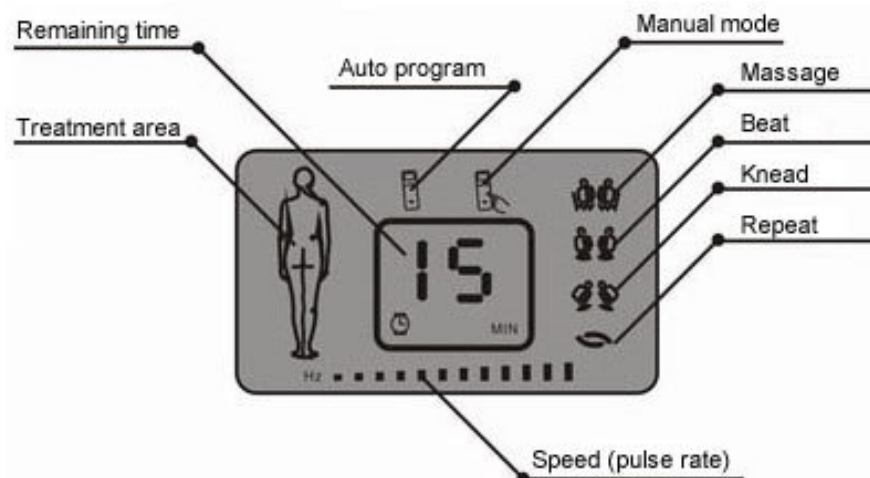
**Battery installation and replacement** - Make sure both Power/Intensity switches are in the “OFF” position and Install (4) AAA batteries.

- The effectiveness of this device is related to power. When replacing batteries, choose high quality AAA batteries

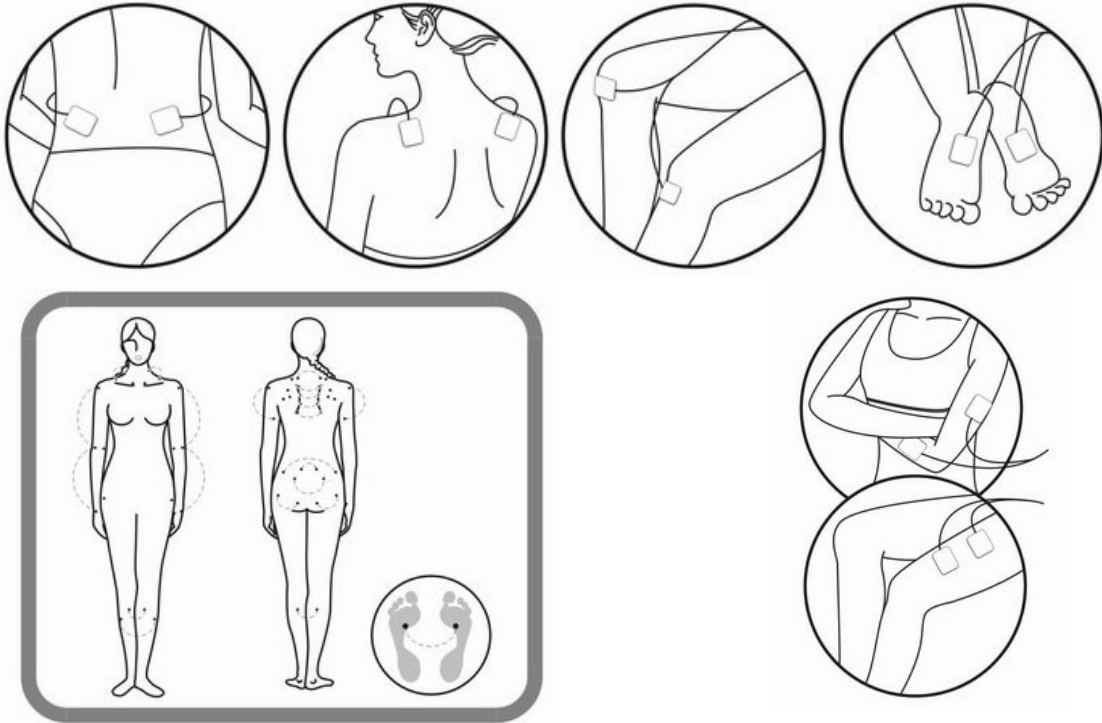
## OPERATING INSTRUCTIONS

- Connect one end of electrode wire to the left and right channel hole (located at the top of the device) and connect 2<sup>nd</sup> end of electrode wire to the electrode pads. Repeat the same step for 2nd electrode wire also.
- Good skin care is important for a comfortable use of device. Be sure the skin is clean of dirt and body lotion, wipe with an alcohol pad if needed.
- Place electrode pads on skin – Place the pads to treatment area without touching each other. Avoid head and heart area. Press down firmly and ensure a full and firm contact with the skin.
- Start treatment – Turn the Power/Intensity switch to 1, the screen will display “P”. This means the device is ready to begin treatment.
- Press one of the function keys (auto program or manual massage) to choose treatment. Adjust the Power/Intensity switch slowly to a comfortable level and begin enjoying your treatment. Duration is 10-15 minutes for treatment area; turn the Power/Intensity switch to “OFF” to stop treatment.
- Recommend 1 or 2 treatments per day.
- Begin with low intensity and short duration while getting use to the device.
- If you feel pain, dizziness, discomfort or nauseous, stop immediately and consult physician.

## PANEL DISPLAY



## PRIMARY AREAS RECOMMENDED FOR TREATMENT



- Please be sure area to be treated is free of perspiration, dirt and abrasions.
- Attach to desired area as shown in diagrams above.

## TROUBLESHOOTING

If your device is not operating properly, please check below for common problems and suggested solutions.

### **Stimulation is weak or non-existent**

- Be sure skin is clean and pads are firmly attached to skin.
- Be sure the pads are not touching each other.
- Check that pads are moist and not worn out. If pads are not moist enough, they will need to be replaced
- Check wire connection and make sure plug is securely plugged.
- Replace dead batteries.
- Both pads (of the same wire) must be attached to one person's body in order to feel sensation.

### **Skin gets irritated or turns red**

- Treatment time is too long or too frequently used on the same spot.

### **Massage pads are not sticking**

- Make sure the protective plastic covering has been removed.
- Pads are worn out and needs to be replaced.

### **Device does not turn on**

- Replace dead batteries.

## **Warranty**

Santamedical offers a 90 day standard warranty for electronic pulse massagers. For any warranty questions, Please visit [www.santamedical.com](http://www.santamedical.com)

## **Replacement Pads**

Replacement pads are available at [www.santamedical.net](http://www.santamedical.net) (under Electrotherapy category)