

## Electronic Nerve Stimulator **E2 ELITE** (HV-F127-E)

- 
- **Instruction Manual**
  - **Mode d'emploi**
  - **Gebrauchsanweisung**
  - **Manuale di istruzioni**
  - **Manual de instrucciones**
  - **Gebruiksaanwijzing**
- 

EN

FR

DE

IT

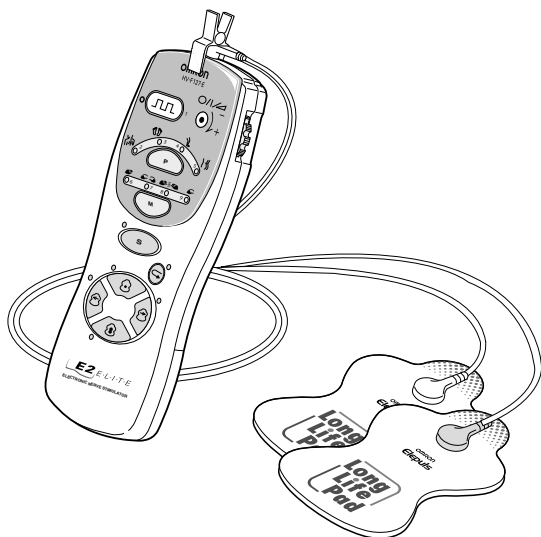
ES

NL

IM-HV-F127-E-04-10/2011  
1647391-4E

# Instruction Manual

## Electronic Nerve Stimulator E2 ELITE (HV-F127-E)



- Thank you for purchasing the OMRON Electronic Nerve Stimulator **E2 ELITE (HV-F127-E)**.
- Please read this Instruction Manual thoroughly before using this unit, this ensures safe and correct use.
- Please keep this Instruction Manual always at hand for your future reference.

All for Healthcare

### CONTENTS

#### 1. Before using the unit

1.1 Notes on safety . . . . .	3
1.2 General information on OMRON E2 ELITE Electronic Nerve Stimulator . . . . .	4
1.3 Features of the product . . . . .	4
1.4 Intended use . . . . .	4
1.5 Package contents . . . . .	5
1.6 Information on high & low-frequency therapy . . . . .	5
1.7 Names and functions of the parts . . . . .	6

#### 2. How to use the device

2.1 How to insert batteries . . . . .	8
2.2 How to connect the electrode cord . . . . .	8
2.3 How to attach the electrode pads . . . . .	9
2.4 Examples of application . . . . .	9
2.5 How to treat . . . . .	10
Treat with the Quick Relief button . . . . .	12
Treat with the Region button . . . . .	12
Treat with the Massage button . . . . .	13
2.6 After treatment – storing the unit . . . . .	14

#### 3. Maintenance




3.1 When it is difficult to attach the pads . . . . .	15
3.2 How to clean and store . . . . .	15
3.3 Troubleshooting . . . . .	16
3.4 Specifications . . . . .	18




# 1. Before using the unit



## 1.1 Notes on safety




(Please read this section carefully before using the unit.)



- The icons and warning signs are indicated here for your safety and correct usage of the product as well as to prevent injuries and/or damage to properties.
- The icons and meanings are as follows:




Examples of Icons	
	The  icon indicates prohibitions (must not do). Matters involving certain prohibitions are indicated by text or pictures in or near  . The icon to the left means "Prohibitions to Disassemble".

	The  icon indicates something that is compulsory (must be observed). Matters involving certain compulsory actions are indicated by text or pictures in or near  . The icon to the left refers to "General compulsory action".
----------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

 <b>DANGER</b>	
<p>This unit must not be used in combination with the following medical devices:</p> <p>(1) Internally transplanted electronic medical devices, e.g. pacemakers</p> <p>(2) Electronic life support equipment, such as respirators</p> <p>(3) Electronic medical devices attached to the body, such as electrocardiographs</p> <p>Using this unit with other electronic medical devices may cause erroneous operation of those devices.</p>	

 <b>WARNING</b>	
<p>Persons with the following conditions must consult the doctor before using this unit:</p> <ol style="list-style-type: none"> <li>1) acute disease</li> <li>2) malignant tumor</li> <li>3) infectious disease</li> <li>4) pregnancy</li> <li>5) cardiac dysfunction</li> <li>6) high fever</li> <li>7) abnormal blood pressure</li> <li>8) skin sensory disorders or skin problems</li> <li>9) receiving medical treatment, especially those feeling discomfort</li> </ol> <p>May cause an accident or ill health.</p>	
<p><b>Do not use this unit near the heart, above the neck, on the head, around the mouth or on diseased skin.</b></p> <p>May cause an accident or ill health.</p> <ul style="list-style-type: none"> <li>- Application of electrodes near the thorax may increase the risk of cardiac fibrillation.</li> </ul>	
<p><b>Do not use this unit simultaneously with other therapeutic device or in combination with ointments including spraytype ointments.</b></p> <p>May cause discomfort or ill health.</p> <ul style="list-style-type: none"> <li>- Simultaneous connection of a PATIENT to a h.f. surgical EQUIPMENT may result in burns at the site of the STIMULATOR electrodes and possible damage to the STIMULATOR.</li> <li>- Operation in close proximity (e.g. 1 m) to a shortwave or microwave therapy EQUIPMENT may produce instability in the STIMULATOR output.</li> </ul>	

<p><b>Do not use this unit for purposes other than treatment indicated in this manual.</b></p> <p>May lead to accident, problems, or failure of the unit.</p>	
<p><b>Do not insert the electrode cord plug into any place other than the electrode cord jack of the main unit.</b></p> <p>May cause an electric shock or accident.</p>	
<p><b>Do not disassemble or remodel this unit.</b></p> <p>May cause fire, trouble, or accident.</p>	

 <b>CAUTION</b>	
<p><b>If the unit is not functioning properly or you feel discomfort, immediately stop using the unit.</b></p> <p>If you feel any problems with your body or skin, consult the doctor and follow his/her instructions.</p>	
<p><b>If you want to move the Electrode Pad to another region or your body during treatment, be sure to turn off the power.</b></p> <p>If not, you may receive a strong electrical shock.</p>	
<p><b>Do not try to attach the Pads to any other person during the treatment.</b></p> <p>You may receive strong electrical shock.</p>	
<p><b>Do not start treatment while wearing an electronic device.</b></p> <p>The settings and timings of the device may be affected.</p>	
<p><b>Do not use this unit on infants or people not capable of expressing their intentions.</b></p> <p>May cause an accident or ill health.</p>	
<p><b>Do not use this unit in places with high humidity such as bathrooms or while taking a bath or shower.</b></p> <p>You will receive a strong electrical shock.</p>	
<p><b>Do not use this unit while sleeping.</b></p> <p>The main unit may develop trouble, or the pad may move to an unexpected region and cause ill health.</p>	
<p><b>Do not use this unit while driving.</b></p> <p>Receiving sudden strong stimulation may lead to traffic accident or trouble.</p>	
<p><b>Do not leave the Electrode Pad attached to the skin after treatment.</b></p> <p>Prolonged attachment may cause skin irritation or infection.</p>	
<p><b>Be careful not to allow any metal object, such as a belt buckle or necklace to come into contact with the Electrode Pad during treatment.</b></p> <p>You may receive a strong electrical shock.</p>	
<p><b>Do not use cellular phones or other electronic devices near this unit.</b></p>	
<p><b>Do not use this unit to treat one region for a long time (more than 30 minutes).</b></p> <p>The muscles of the region under treatment may be exhausted and may cause poor physical condition.</p>	

EN

## 1.2 General information on OMRON E2 ELITE Electronic Nerve Stimulator

### The OMRON E2 ELITE Electronic Nerve Stimulator is an electro-therapeutic device.

The E2 ELITE Electronic Nerve Stimulator enables you to reduce and relieve your pain symptoms. The treatment alleviates muscle and nerve pain through gentle stimulation. But always remember that pain also has a very important warning function, telling us that something is wrong. If you suffer from any serious illness, consult your doctor in order to confirm whether you can use the Electronic Nerve Stimulator. For active people, it provides a massaging experience which has a very beneficial effect on muscle and shoulder or neck stiffness. It is very good for soothing overall bodily fatigue and improves the blood circulation in the treated areas.

## 1.3 Features of the product

### • 9 Automatic Programmes

The device allows you to select your favourite stimulation programme for optimized treatment according to your symptom and needs.

#### **Quick RELIEF Button (for muscle pain)**

This function relieves acute pain quickly with high frequency of 1200 Hz. It is suitable for treatment of pain in the lower back and joints.

#### **REGION Button (4 programmes for shoulders, sole, calf, and lower back)**

Treats the selected region with effective pre-programmed modes.

## 1.4 Intended use

### **Medical Purpose**

This Electronic Nerve Stimulator is intended to be used as a massager to relieve (muscle) pain, stiffness and fatigue. The massaging effect is achieved by electronic stimulation of the nerves through electrode pads placed on the skin. Various massage regions and treatment programs can be selected.

### **Suitable Users**

Please read "Notes on safety" before using the unit. (This unit should not be used by people prohibited from doing so in "Notes on safety".)

Our nerves, which radiate throughout the entire body as a complex network, perform various tasks which are indispensable for maintaining proper functioning. They conduct impulses between the central nervous system and an organ or a part of the body. They also transmit commands from and to the brain, and they regulate the body's functions, as well as muscle contraction and relaxation. Using this method of Electrical Nerve Stimulation, the important nerve functions can be activated effectively. The electrical impulses, which are comparable to the natural bioelectricity, stimulate the body's pain-relieving mechanisms. In this way, the transmission of pain by the nerve fibres is inhibited and secretion of pain-relieving, morphine like substances such as endorphins, are triggered. Furthermore, the blood flow through the treated body zones is improved.

### **MASSAGE Button (4 programmes for Tapping, Kneading, Pushing, and Rubbing)**

Allows you to select the massage method according to your needs.

### • 4 Special Modes

Allows you to adjust the unit to your favourite stimulations. Use the Special Modes of SOFT, REPEAT, POINT, WIDE and Balance Adjustment (switching between red and white buttons) in combination with the Automatic programme to receive treatment in your favourite stimulation mode.

### • Washable and long-lasting Long-Life Pads

### **Environment**

This unit is intended for home use only.

### **Effectiveness**

Massager: relieve of (muscle) pain, stiffness and fatigue

### **Precautions for use**

Please read "Notes on safety" before using the unit.

## 1.5 Package contents

The following components are included in the box.  
If any components are missing, please contact the nearest OMRON dealer.

### 1. Main unit



### 2. Electrode Cord



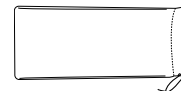
### 5. Electrode Holder



### 3. Long-Life Pad (to be referred to as "Pad" hereafter.) One set contains two Pads.



### 6. Soft fabric pouch



### 4. AAA size (R03) batteries for trial use



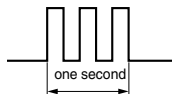
### 7. Instruction Manual



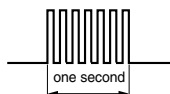
## 1.6 Information on high & low-frequency therapy

### What is frequency?

Frequency is the number of times electric stimulation is applied to the body per second and is represented by a unit called Hertz (Hz).



3 stimulations in a second = 3 Hz



100 stimulations in a second = 100 Hz

### I. What is Low Frequency?

Although we do not notice it, our bodies generate very weak electricity from various parts of the body including the brain, heart, muscles, and nerves. This electricity is called bioelectricity. The bioelectricity plays an essential role for the normal functioning of our bodies. Our bodies sensitively react to electric stimulation applied from the outside and cause various changes. The method to treat abnormality of bioelectricity, which is manifested as stiffness or pain, by effectively using the above mentioned action is called electrotherapy of which low-frequency therapy is typical.

#### Effects of low frequency stimulation

Low-frequency stimulation is effective in relieving symptoms of chronic pain, stiffness and numbness. It is said to have the effects to activate secretion of pain suppressing substances or to improve the blood circulation.

### Mechanism of low-frequency electrotherapy

#### - Pumping action of muscles -

Muscles contract and relax with the flow of the low-frequency current. When the muscle relaxes, a large amount of blood flows in, and when the muscle contracts, the blood containing wastes is pumped out. With repeated actions, the blood flows smoother and the blood circulation is improved.

#### Shutting out pain signal

When low-frequency current flows to the region experiencing pain, it acts on the transmission mechanism of pain.

Thus low-frequency current is said to reduce the transmission of pain to the brain.

### II. What is High Frequency?

#### - as used for the "Quick Relief" function -

High frequency stimulation is effective for acute (nerve) pain and is said to be especially useful in the immediate blockage of pain transmission compared to low-frequency stimulation.

#### Standard treatment time

Long-time treatment and strong stimulation may cause muscular fatigue and may generate adverse effects. In order to avoid excessive treatment, this model is made to turn off the power automatically after 15 minutes.

## 1.7 Names and functions of the parts

### Main Unit

Electrode Cord Plug

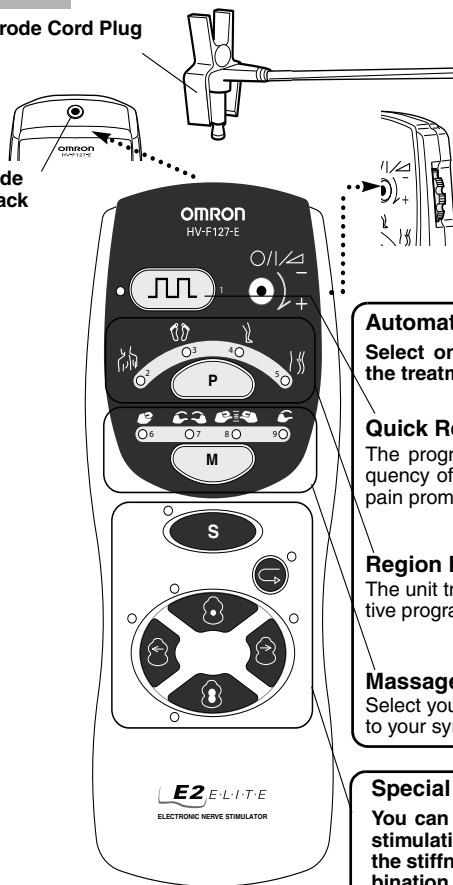
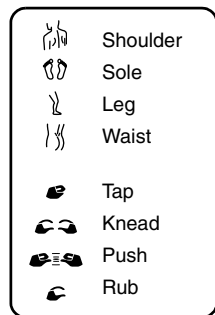
Electrode Cord Jack

### Electrode Cord

Connects the Main unit with the Pad

### Intensity Adjustment Dial/Power Button

Turns on and off the power and adjusts the intensity of stimulation.



### Automatic Programmes

Select one programme from each course in the treatment, region, and massage method.

### Quick Relief Button

The programme treats the region with high frequency of 1200 Hz, which helps to relieve acute pain promptly.

### Region Button

The unit treats the selected region with the effective programme.

### Massage Button

Select your favourite massage method according to your symptom.

### Special Mode

You can use this mode when you want to adjust the stimulation to your favourite programme according to the stiffness and pain. This mode can be used in combination with any Automatic Programmes.

### Soft Mode

The unit relieves stiffness comfortably with soft stimulation without feeling irritation.

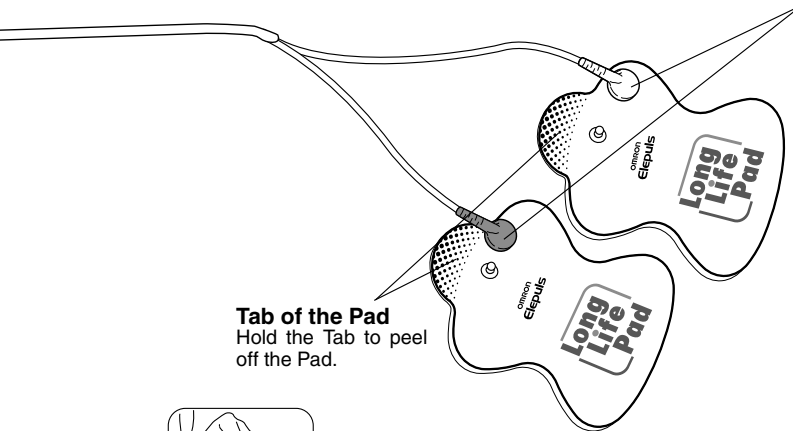
### Repeat mode

The unit repeats your favourite stimulation.



**Electrode Cord Plug**

Attach the red or the white plug to each Pad.

**Tab of the Pad**

Hold the Tab to peel off the Pad.

**Point & Wide Mode**

Point



The unit treats the red and the white sides alternately.

Wide



The unit treats both the red and white sides simultaneously.

\* Select either the Wide or the Point Button.

**Balance Adjustment (Switching between red and white buttons)**

R-button







The unit emphasizes therapy on the red side.

W-button



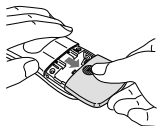
The unit emphasizes therapy on the white side.

	Selecting 	Selecting 	Selecting None of Them
When  is selected	Emphasis on intensity is placed upon the red side while treating both sides alternately.	Emphasis on intensity is placed upon the white side while treating both sides alternately.	Treats both red and white sides with the same intensity alternately.
When  is selected	Emphasis on intensity is placed upon the red side while treating both sides simultaneously.	Emphasis on intensity is placed upon the white side while treating both sides simultaneously.	Treats both red and white sides with the same intensity simultaneously.

## 2. How to use the device

### 2.1 How to insert batteries

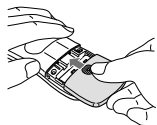
1. Turn the Intensity Adjustment Dial/Power Switch to the "OFF" position.
2. Open battery cover on the back of the main unit.



3. Insert batteries according to the polarities (+ and -) shown in the battery compartment.

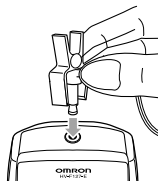


4. Close the battery cover.



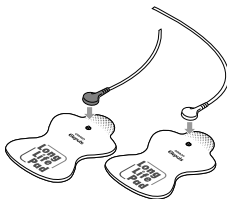
### 2.2 How to connect the electrode cord

1. Turn the Intensity Adjustment Dial/Power Switch to the "●" position.
2. Insert the Electrode Cord Plug into the Electrode Cord Jack on the main unit.
3. Connect the Electrode Cord to the Long Life Pads.



Place the Pads on a flat surface and securely connect the Electrode Cord Plugs to the Pads.

\* Although Electrode Cord Plugs are provided in red and white, either plug can be connected with one of the Pads irrespective of color.

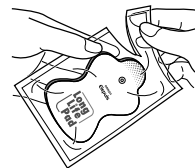


#### General advice from OMRON on the handling of batteries

- The supplied batteries are for the trial use only and may wear out in less than three months.
- Replace the worn batteries with new ones immediately.
- If you are not going to use the unit for more than three months, remove the batteries.
- If you leave the unit without using it for a long time when the batteries are included inside, leakage from the batteries may occur.
- Do not use new and worn batteries together or different types of batteries together.
- Insert the batteries with the polarities (+ and -) in correct alignment.
- When handling the batteries, be sure to read the notes on the batteries.
- Dispose of the used batteries according to the applicable local regulations.

#### Standard for battery replacement

**If you feel the massage stimulation is weak, the batteries may be worn. Replace the batteries with new ones.**



#### When using the unit for the first time

Take out the Pads from the clear plastic bag.

\* Do not peel off the clear film attached to the Pad at this time.

#### General advice from OMRON on the handling of Electrode Cord

- Avoid excessive bending and pulling of the Electrode Cord.
- Hold the Electrode Cord Plug when unplugging the Electrode Cord from the Main Unit.
- If the Electrode Cord is torn or has a problem, please contact the store where you purchased the unit or at the nearest OMRON dealer.



## 2.3 How to attach the electrode pads

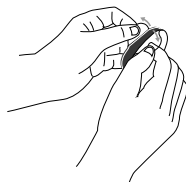
Attach each Pad to the region you want to treat without bending it.

### When using the unit for the first time

A clear plastic film is attached to the Pads.

As the Pads have strong adhesiveness, peel off the clear plastic film from the Pads and attach the Pads to the region you want to receive treatment.

\* Discard the peeled off clear film as it should not be used anymore.



\* It may be difficult for you to attach the Pads on your back such as shoulders or lower back. It is a good idea to ask someone to help you.



Attach the Pads close to the skin.

\* If the Pads comes off from the skin, the unit is turned off automatically in approximately 7 seconds.

### General Advice from OMRON on the handling of Pads

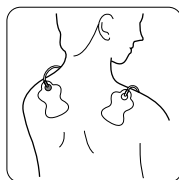
- Do not place pads stacked on each other.
- Do not bend the Pads.
- Do not touch the adhesive surface with your fingers.
- When you perspire after taking a bath or immediately after exercising, wipe your sweat off the region you want to treat before using the unit.
- If a Pad attaches to cloth or other material and does not come off easily, do not force it off. Instead, moisten the back of the cloth to which the Pad is attached with a small amount of water, and then the Pad will come off easily.
- When the adhesive property of Pad drops, take appropriate measures as necessary.
- If you are going to use a wet Pad (see Section 3, Maintenance) or the Pad immediately after it is washed, let it dry sufficiently. Especially let the adhesive surface air-dry.

## 2.4 Examples of application

### Shoulders

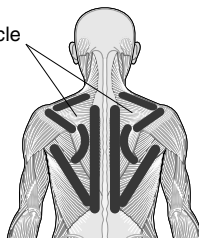
Stiff shoulders are presumably caused by blood congestion of trapezius muscle that moves shoulders, compression of nerves by the accumulation of fatigue substances, or poor blood circulation of subcutaneous tissues such as muscles.

Attach the Pads symmetrically on the region of stiff shoulders with the backbone as the center.



Trapezius muscle

For stiff shoulders, it is effective to attach the Pads to the shaded regions as shown in the diagram.



### Sole

Chilly feeling is presumably caused by poor blood circulation in the limbs when the nerves are out of balance.

Swelling and fatigue of feet is presumably caused by the poor reflux of blood and body fluid. Attach one Pad to the sole and another one to the calf.



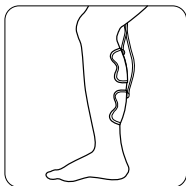
It is effective to attach the Pads to the shaded regions of sole as shown in the diagram.



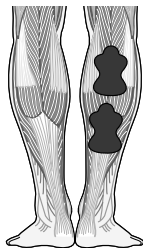
EN

### Calf

Swelling and fatigue of the Calf is presumably caused by congestion of blood and accumulation of fatigue substances in that region. Attach the Pads to upper and lower calf.

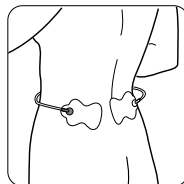


It is effective to attach the Pads to the shaded regions of calf as shown in the diagram.

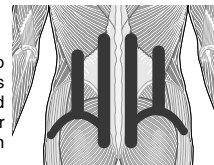


### Waist (Lower Back)

Back pain is caused by various reasons. The type of back pain that can be treated by low-frequency therapy includes stiffness of the lower back, muscle pain, and neuralgia (nerve pain). Attach the Pads symmetrically to the regions you feel pain with the backbone as the center.



It is effective to attach the Pads to the shaded regions of lower back as shown in the diagram.



## 2.5 How to treat

This section explains the treatment procedure and the entire operation flow from turning on the power to storing of the unit.

Three treatment methods are available. Select your favourite one to receive treatment.

- **Treat with the Quick Relief Button**  
When you want to relieve severe acute pain promptly.
- **Treat with the Region Button**  
When you want to treat the selected region of the shoulder, soles, calves and lower back (waist) with the effective program.
- **Treat with the Massage Button**  
When you want to treat the region according to your symptom and favourite operation by selecting the massage method from Tapping, Kneading, Pushing, and Rubbing.

**Have you connected the Electrode Cord? (Refer to page 8.)**

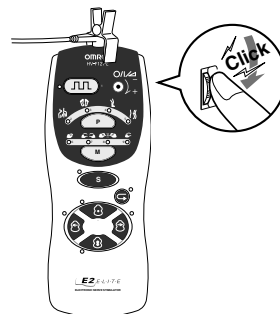
**Have you attached the Pads to the regions you want to receive treatment? (Refer to page 9.)**

1. Turn on the power.

Rotate the Intensity Dial/Power Button downwards.

When you hear a click, the power is turned on and the treatment starts.

- \* When you use the unit for the first time, the Shoulder light will flash and WIDE will be displayed. When you use the unit for the second time and after, the Buttons you used in the previous treatment will flash.



#### If the Pads come off

If the Pads come off from the skin, the power will be turned off automatically in approximately 7 seconds. Turn the Power to OFF, then re-attach the Pads correctly and turn on the power again.

2. Select one treatment method.
  - Treat with the Quick Relief Button (Refer to page 12.)
  - Treat with the Region Button (Refer to page 12.)
  - Treat with the Massage Button (Refer to page 13.)

3. Adjust the intensity of stimulation.

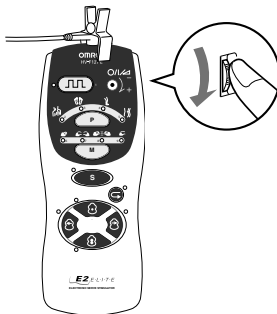
Select your favorite intensity level from 1 to 10 by rotating the Intensity Dial/Power Button.

**Standard for treatment.**

**Duration:** 10 to 15 minutes per region for each treatment.

**Number of treatment times:** Once or twice a day.

**Intensity:** As high as you feel comfortable when using this unit.



4. When the treatment ends, turn off the power.

Rotate the Intensity Dial/Power Button upwards. When you hear a click, the power is turned off.

\* The power will be turned off automatically in approximately 15 minutes after the treatment starts. Even when the power is turned off automatically, turn off the Intensity Dial/Power Button. Otherwise, the batteries will wear out slightly faster.

5. Store the unit.

\* If you leave the Pads as they are, they will become dirty or the adhesiveness will deteriorate. When the treatment ends, attach the Pads to the Electrode Holder for storage. (Refer to page 14.)



## How to treat

Treat an area by selecting one of the programmes within Relief, Region or Massage

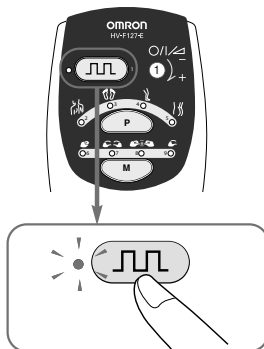
### Treat an area with the button

When you want to relieve severe acute pain promptly

1. Push the Quick Relief Button.

This is a program using high-frequency stimulation of 1200 Hz, which is said to relieve acute pain quickly.

\* Blinking yellow lights will indicate what functions are activated.



### Treat an area with the button

When you want to relieve severe acute pain promptly

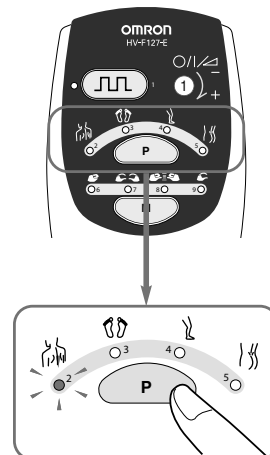
1. Push the Region Button.

Each time you push the Region Button, the display flashes in the order of Shoulder, Sole, Leg, and Waist.

2. Select the region to which the Pads are attached.

For example, if you attach the Pads to your shoulders, select Shoulder.

\* Blinking yellow lights will indicate what functions are activated.



When Shoulder is selected

### How to use the Special Mode

You can use this Mode when you want to adjust the stimulation to your favourite one according to the stiffness or the pain. You can use this Mode in combination with all Automatic Programmes.

\* The Button you have selected will be flashing.

\* To stop the function you selected, push the Button again.

- ▶ If you feel irritation:

Use the Soft Mode.



The unit relieves stiffness with soft stimulations without causing irritation.

- ▶ If you want to repeatedly use only your favourite stimulation:

Use the Repeat Mode.



The unit repeats your last selected stimulation.

- ▶ If you want to relieve stiff shoulders intensively and fully:

Select the Point Mode.

- ▶ If you want to effectively massage a wide range of an area such as the lower back:

Select the Wide Mode.

- ▶ If you want to use different kinds of stimulation for the right and left sides according to the stiffness:

Select red or white Button.



**Point & Wide Mode, Balance Adjustment (Switching between Red and White Buttons)**

The stimulation of each Pad varies.

(For detailed use of this Mode, refer to page 7.)

## How to treat

Treat an area by selecting one of the programmes within Relief, Region or Massage

### Treat an area with the button

When you want to treat an area according to your symptom and favourite operation by selecting the massage method from Tapping, Kneading, Pushing, and Rubbing

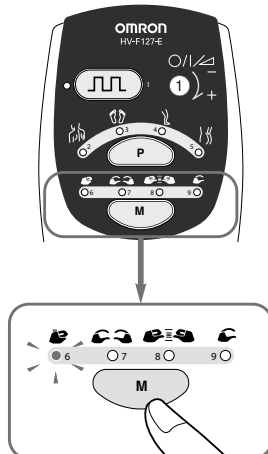
1. Push the Massage (M) Button.

Each time you push the Massage Button, the massage method flashes in the order of Tapping, Kneading, Pushing, and Rubbing.

2. Select your favourite massage method according to your symptom.

The massage type will change every time you push the massage button.

\* A blinking yellow light indicates the function you have selected.

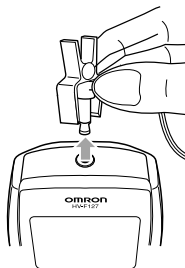


When Tapping is selected

## 2.6 After treatment – storing the unit

**When the Pads are poorly maintained, they will become dirty or the adhesiveness will deteriorate. When the treatment ends, attach the Pads to the Electrode Holder and store them.**

1. Turn off the Power and remove the Electrode Cord Plug from the Main Unit.



2. Peel off the Pads.

\* Hold the Tab to peel off the Pads without touching the adhesive surface.



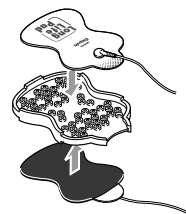
Example: When the Pad is attached to the shoulder

3. Lightly attach the Pads to the Electrode Holder.

\* You may leave the Electrode Cord connected to the Pads as it is.

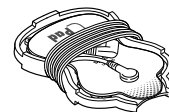
\* Do not press the Pads hard to the Electrode Holder. It may cause the adhesive surface to be damaged.

\* Keep the Electrode Holder clean.

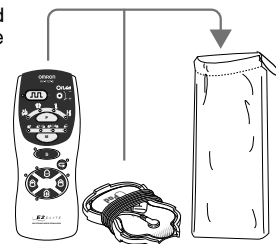


4. Bundle the Electrode Cord and wrap it around the Electrode Holder.

\* Wrap the Electrode Cord loosely.



5. Store the Main Unit and the Electrode Holder in the Soft Fabric Pouch.



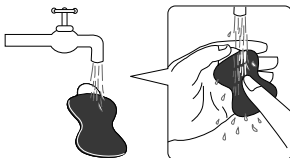
## 3. Maintenance

### 3.1 When it is difficult to attach the pads

Wash the Pads when the adhesive surface becomes dirty and the Pads are difficult to attach.

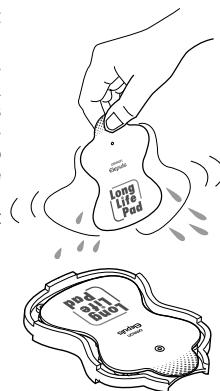
- Wash the Pads after every thirty uses. Pads can be washed approximately ten times.
  - Pads are consumables. Purchase the optional Pads when the adhesive surface is damaged. (Refer to page 18.)
- \* The life of Pads may vary by the frequency of wash, skin condition, and storage state.

1. Turn off the power, then remove the Electrode Cord from the Pad.
2. Wash the Pad softly with your fingertips under slow running cold water for several seconds.



3. Sufficiently dry the Pads and let the adhesive surface air dry.

- \* Do not wipe the adhesive surface with a tissue paper or a cloth. If a tissue paper is adhered to the adhesive surface by accident, do not try to peel it off. Instead, moisten the tissue paper with a small amount of water, and then it will come off easily.



4. Lightly attach the Pad to the Electrode Holder for storage. (Refer to page 14.)

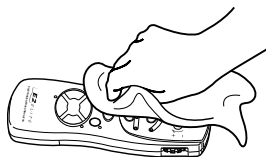
#### General advice from OMRON on the handling of Pads

- Do not use hot water, detergent, or chemicals such as thinner or benzene.
- Do not scratch the adhesive surface with your nail or a brush.
- Do not wash the Pads too long or too frequently.
- Do not store the Pads under high temperature, high humidity, and direct sunshine.
- \* The adhesive surface may be damaged and the Pads may last shorter.
- \* If the adhesive surface becomes sticky or the Pad peels off, leave the Pad in the refrigerator (do not freeze) overnight. The adhesion may be restored.

### 3.2 How to clean and store

#### How to clean the Unit

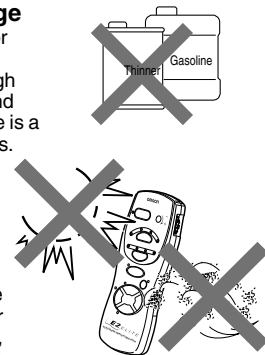
- Keep the unit clean all the time.
- Be sure to turn off the Power and remove the Electrode Cord from the Main Unit when cleaning the unit.
- Wipe off stains on the Main Unit with a soft cloth.
- If the unit is heavily stained, wipe it with a cloth moistened with water or detergent. Wipe off the unit with a dry cloth.
- \* Be careful so that no water should get into the Main Unit.



#### Notes on care and storage

- Do not use benzene, thinner, or gasoline to clean the unit.
- Do not store the unit under high temperature, high humidity, and direct sunshine, or where there is a lot of dust and/or corrosive gas.
- Keep the unit out of reach of children.
- If you are not going to use the unit for more than three months, store the unit after removing the batteries.

- \* If you do not observe the above-mentioned notes or correct use of the unit, OMRON cannot take responsibility on quality of the unit.



### 3.3 Troubleshooting

<b>Problem</b>	<b>Cause</b>	<b>Remedial Action</b>
<ul style="list-style-type: none"> <li>■ The power cannot be switched on.</li> </ul>	<ul style="list-style-type: none"> <li>■ The batteries are wrongly inserted.</li> </ul>	<ul style="list-style-type: none"> <li>⇒ Insert the batteries according given directions.</li> </ul>
<ul style="list-style-type: none"> <li>■ The power switches off to soon.</li> <li>■ The power switches off while the unit is in use.</li> </ul>	<ul style="list-style-type: none"> <li>■ The pads are not properly attached to the skin.</li> <li>■ The pads are removed from the skin.</li> <li>■ The batteries are worn out or empty.</li> <li>■ The power turns automatically off after 15 minutes.</li> <li>■ The electrode cord is broken.</li> </ul>	<ul style="list-style-type: none"> <li>⇒ Reattach the pads securely to the skin. (Otherwise power will switch off automatically).</li> <li>⇒ Switch off the unit before removing the pads from the skin.</li> <li>⇒ Replace with new batteries, following given directions.</li> <li>⇒ Replace the electrode cord with a new one.</li> </ul>
<ul style="list-style-type: none"> <li>■ The pads do not attach to the skin.</li> </ul>	<ul style="list-style-type: none"> <li>■ The clear film on the adhesive surface of the pad has not been removed.</li> <li>■ The adhesive surface of the pad is dirty.</li> <li>■ The pads are used directly after washing them.</li> <li>■ The adhesive surface of the pads is damaged.</li> </ul>	<ul style="list-style-type: none"> <li>⇒ Remove the film.</li> <li>⇒ Clean the pads, following given directions.</li> <li>⇒ After washing, allow the pads sufficient time for drying.</li> <li>⇒ Replace the pads with new ones.</li> </ul>
<ul style="list-style-type: none"> <li>■ The stimulating effect cannot be felt.</li> </ul>	<ul style="list-style-type: none"> <li>■ The pads may have been used while perspiring.</li> <li>■ The pads may have been washed too long and too frequently.</li> <li>■ The pads may have been stored under high humidity, high temperature or in direct sunshine.</li> <li>■ The pads are not in close contact with the skin.</li> <li>■ The pads are attached, but overlapping each other.</li> <li>■ The electrode cord is not connected properly.</li> <li>■ The intensity is at a too low level.</li> <li>■ The batteries are worn out or empty.</li> <li>■ The adhesive surface of the pads is damaged.</li> </ul>	<ul style="list-style-type: none"> <li>⇒ Leave the pads in a refrigerator overnight.</li> <li>⇒ Reattach the pads to the skin properly.</li> <li>⇒ Reattach the pads to the skin while assuring they do not overlap.</li> <li>⇒ Connect the electrode cord properly.</li> <li>⇒ Increase the intensity.</li> <li>⇒ Replace the batteries with new ones, following direction given.</li> <li>⇒ Replace the pads with new ones.</li> </ul>
<ul style="list-style-type: none"> <li>■ The skin turns red.</li> <li>■ The skin feels irritated.</li> </ul>	<ul style="list-style-type: none"> <li>■ The treatment has continued too long.</li> <li>■ The pads are not in close contact with the skin.</li> <li>■ The adhesive surface of the pads is dirty or dry.</li> <li>■ The adhesive surface of the pads is damaged.</li> </ul>	<ul style="list-style-type: none"> <li>⇒ Limit the treatment time to the programmed 15 minutes.</li> <li>⇒ Reattach the pads to skin properly.</li> <li>⇒ Wash the pads, following given directions.</li> <li>⇒ Replace the pads with new ones.</li> </ul>

\* If the unit does not operate after taking the above-mentioned measures, contact the nearest OMRON dealer.



### Important information regarding Electro Magnetic Compatibility (EMC)

With the increased number of electronic devices such as PC.s and mobile (cellular) telephones, medical devices in use may be susceptible to electromagnetic interference from other devices.

Electromagnetic interference may result in incorrect operation of the medical device and create a potentially unsafe situation. Medical devices should also not interfere with other devices.

In order to regulate the requirements for EMC (Electro Magnetic Compatibility) with the aim to prevent unsafe product situations, the EN60601-1-2:2007 standard has been implemented. This standard defines the levels of immunity to electromagnetic interferences as well as maximum levels of electromagnetic emissions for medical devices.

This medical device manufactured by OMRON Healthcare conforms to this EN60601-1-2:2007 standard for both immunity and emissions.

Nevertheless, special precautions need to be observed:

Do not use mobile (cellular) telephones and other devices, which generate strong electrical or electromagnetic fields, near the medical device.

This may result in incorrect operation of the unit and create a potentially unsafe situation.

Recommendation is to keep a minimum distance of 7 m. Verify correct operation of the device in case the distance is shorter.

Further documentation in accordance with EN60601-1-2:2007 is available at OMRON Healthcare Europe at the address mentioned in this instruction manual.

Documentation is also available at [www.omron-healthcare.com](http://www.omron-healthcare.com).

### Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

This marking shown on the product or its literature, indicates that it should not be disposed of, with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.



Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

This product does not contain any hazardous substances.

Disposal of used batteries should be carried out in accordance with the national regulations for the disposal of batteries.

### 3.4 Specifications

Product	OMRON Electronic Nerve Stimulator
Product Name	E2 ELITE
Model	<b>HV-F127-E</b>
Power Supply	3 V DC (with two AAA alkaline or manganese batteries)
Battery Life	New alkaline battery will last for approx. 3 months (when used for 15 minutes day continuously). <b>Note:</b> Supplied battery is for trial use. This battery may run out within 3 months.
Frequency Generation	Approx. 1 to 1200 Hz
Power Consumption	Approx. 40 mA
Maximum Output Voltage	$U \leq 90$ V (during 1 k $\Omega$ load)
Maximum Output Current	$I \leq 10$ mA (during 1 k $\Omega$ load)
Operating Temperature and humidity	10°C to 40°C, 30 to 85% RH
Storage Temperature and humidity	-20°C to 60°C, 10 to 95% RH
Main Unit Dimensions	60 (W) x 154 (H) x 21 (D) mm
Weight	Approx. 120 g (including batteries)

\* In the interest of product improvement, specifications are subject to change without notice.

\* This device fulfils the provisions of the EC directive 93/42/EEC (Medical Device Directive).

\* This OMRON product is produced under the strict quality system of OMRON HEALTHCARE Co., Ltd., Japan.

#### Available accessories / replacement parts:

- |                                                |                     |
|------------------------------------------------|---------------------|
| 1. Electrode Pads (Long Life Pads) with holder | order no. 4928818-7 |
| 2. Electrode Cord (with safety plug)           | order no. 3027801-6 |
| 3. Electrode Pad Holder                        | order no. 1614950-5 |



= Type BF



= Warning: read the instruction manual carefully



Disposal of this product and used batteries should be carried out in accordance with the national regulations for the disposal of electronic products.



This product should not be used by persons with medical implants, e.g. heart pacemakers, artificial heart, lung or other electronic life support systems.

CE0197

<b>Manufacturer</b> 	<b>OMRON HEALTHCARE Co., Ltd.</b> 53, Kunotsubo, Terado-cho, Muko, Kyoto, 617-0002 JAPAN
<b>EU-representative</b> 	<b>OMRON HEALTHCARE EUROPE B.V.</b> Scorpius 33, 2132 LR Hoofddorp THE NETHERLANDS www.omron-healthcare.com
<b>Production facility</b>	<b>OMRON (DALIAN) CO., LTD.</b> Dalian, CHINA
<b>Subsidiary</b>	<b>OMRON HEALTHCARE UK LTD.</b> Opal Drive, Fox Milne, Milton Keynes MK15 0DG, U.K.
	<b>OMRON MEDIZINTECHNIK HANDELSGESELLSCHAFT mbH</b> John-Deere-Str. 81a, 68163 Mannheim GERMANY www.omron-medizintechnik.de
	<b>OMRON SANTÉ FRANCE SAS</b> 14, rue de Lisbonne 93561 Rosny-sous-Bois Cedex, FRANCE

Made in China