This manual is valid for the MT9000 Combo TENS/EMS/IF/MIC Stimulator

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Declaration of conformity:

Shenzhen Dongdixin Technology Co., Ltd declares that the device complies with following normative documents:
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1. SAFETY INFORMATION

1.1 General

MT9000 Combo is a portable electrotherapy device featuring four therapeutic modes: Transcutaneous Electrical Nerve Stimulation (TENS), Electrical Muscle Stimulation (EMS), Interferential (IF), and Microcurrent (MIC) which are used for pain relief and electrical muscle stimulation. The stimulator sends gentle electrical current to underlying nerves and muscle group via electrodes applied on the skin. The parameters of device are controlled by the “press” buttons. Its intensity level is adjustable according to the needs of patients.

1.2 Medical background

EXPLANATION OF PAIN
Pain is a warning system and the body’s method of telling us that something is wrong. Pain is important; without it abnormal conditions may go undetected, causing damage or injury to vital parts of our bodies. Even though pain is a necessary warning signal of trauma or malfunction in the body, nature may have gone too far in its design. Aside from its value in diagnosis, long-lasting persistent pain serves no useful purpose. Pain does not begin until coded message travels to the brain where it is decoded, analyzed, and then reacted to. The pain message travels from the injured area along the small nerves leading to the spinal cord, Here the message is switched to different nerves that travel up the spinal cord to the brain. The pain message is then interpreted, referred back and the pain is felt.

EXPLANATION OF TENS
Transcutaneous Electrical Nerve Stimulation (TENS) is a noninvasive, drug free method of controlling pain. TENS uses tiny electrical impulses sent through the skin to nerves to modify your pain perception. TENS does not cure any physiological problem; it only helps control the pain. TENS does not work for everyone; however, in must patients it is effective in reducing or eliminating the pain, allowing for a return to normal activity.
EXPLANATION OF EMS
Electrical Muscle Stimulation (EMS) is an internationally accepted and proven way of treating muscular injuries. It works by sending electronic pulses to the muscle needing treatment; this causes the muscle to exercise passively. It is a product derived from the square waveform (ladder-shaped). Through the square wave pattern it is able to work directly on muscle motor neurons. This device has low frequency and this in conjunction with the square wave pattern allows direct work on muscle groupings. This is being widely used in hospitals and sports clinics for the treatment of muscular injuries and for the re-education of paralyzed muscles, to prevent atrophy in affected muscles and improving muscle tone and blood circulation.

EXPLANATION OF IF
Interferential Stimulation (IF) is an anti-inflammatory based treatment modality. Interferential stimulation is characterized by two alternating-current sine waves or square waves of differing frequencies that “work” together to produce an interferential current that is also known as a beat pulse or alternating modulation frequency. One of the two currents is usually held at 4000 Hz, and the other can be held constant or varied over a range of 4001 to 4, 100 Hz. Because of the frequency, the interferential wave meets low impedance when crossing the skin to enter deep into soft tissues. The interferential currents reportedly can stimulate sensory, motor, and pain fibers. These large impulse fibers interfere with the transmission of pain messages at the spinal cord level. This deep tissue penetration stimulates parasympathetic nerve fibers by increased blood flow and edema reduction. It utilizes the low electric current to stimulate muscle nerves to achieve the symptomatic relief of chronic intractable pain, post-traumatic pain, and post-surgical pain.

EXPLANATION OF MICROCURRENT
Microcurrent stimulation is a type of therapy in which very low current is sent into the cells of the body.

Microcurrent is a very faint current that is so small it is measured in millionths of an amp (Microamps). Human cells generate a current that is in the microamp range which is why you can’t feel it—the current is so low it doesn’t stimulate the sensory nerves.

Microcurrent is a physiological electric modality that increases ATP (energy) production in the cells of your body. This dramatically increases the tissues healing rate. The immediate response to the correct microcurrent frequency suggests that other mechanisms are involved as well. The exact effects or changes in the tissue are unmistakable: scars will often suddenly soften, trigger points often became less painful within minutes when the “correct” frequency is applied. In many situations the changes seem to be long lasting and in many cases permanent.
1.3 Indications for use

MT9000 ComboTENS/EMS/IF/MIC Stimulator may be used for the following conditions:
1) Symptomatic relief of chronic intractable pain
2) Post traumatic pain
3) Post surgical pain
4) Relaxation of muscle spasm.
5) Increase of blood flow circulation
6) Prevention or retardation of disuse atrophy
7) Muscle re-education
8) Maintaining or increasing range of motion.
9) Immediate post-surgical stimulation of calf muscles to prevent venous thrombosis

IMPORTANT SAFETY INFORMATION
Read instruction manual before operation. Be sure to comply with all “Contraindications”, Warnings”, “Cautions” and “Adverse reactions” in the manual. Failure to follow instructions can cause harm to user or device.

1.4 Contraindications

1) The device should not be used for symptomatic local pain relief unless etiology is established or unless a pain syndrome has been diagnosed.
2) This device should not be used when cancerous lesions are present in the treatment area.
3) Stimulation should not be applied over swollen, infected, inflamed areas or skin eruptions (e.g. phlebitis, thrombophlebitis, varicose veins, etc.).
4) Electrodes must not be applied to sites that might cause current/stimulation to flow through the carotid sinus region (anterior neck) or transcerebrally (through the head).
5) Do not use this device if the patient has a demand-type cardiac pacemaker or any implanted defibrillator,
6) This device should not be used over poorly innervated areas.
7) Epilepsy
8) Serious arterial circulatory problems in the lower limbs
9) Abdominal or inguinal hernia
10) Do not use this device if you have heart disease without consulting your physician.

1.5. **Warnings, Cautions, and Adverse Reactions**

**WARNINGS:**

1) This device should be used only under the continued supervision of a licensed physician.
2) The long-term effects of chronic electrical stimulation are unknown. Electrical stimulation devices do not have any curative value.
3) TENS is a symptomatic treatment and, as such, suppresses the sensation of pain, which would otherwise serve as a protective mechanism.
4) Safety has not been established for the use of therapeutic electrical stimulation during pregnancy. Do not use during pregnancy unless directed by your physician.
5) Electrical stimulation is not effective for pain of central origin.
6) Electronic monitoring equipment (such as ECG monitors) may not operate properly when electrical stimulation is in use.
7) Stimulation should not be applied over the carotid sinus nerves, particularly in patients with a known sensitivity to the carotid sinus reflex.
8) Stimulation should not be applied over the neck or mouth: Severe spasm of the laryngeal and pharyngeal muscles may occur and the contractions may be strong enough to close the airway or cause difficulty in breathing.
9) Stimulation should not be applied transthoracically. The introduction of electrical current into the heart may cause cardiac arrhythmias.
10) Stimulation should not take place while the user is connected to high-frequency surgical equipment. It may cause burn injuries in the skin under the electrodes, as well as problems with the stimulator.

11) Do not use the stimulator in the vicinity of shortwave or microwave therapy equipment, since this may affect the output power of the stimulator.

12) Never use in environments with high humidity such as in the bathroom or when having a bath or shower.

13) Caution should be used in applying electrical stimulation to patients suspected of having heart disease. Further clinical data is needed to show there are no adverse results.

14) Never use near the heart. Stimulation electrodes should never be placed anywhere on the front of the thorax (marked by ribs and breastbone), but above all not on the two large pectoral muscles. Here it may increase the risk of ventricular fibrillation and lead to cardiac arrest.

15) Electrodes should not be placed over the eyes, in the mouth, near the genitals or internally.

16) Never use on areas of the skin which lack normal sensation

17) Apply the electrodes to clean, dry, and unbroken skin only.

18) Keep electrodes separate during treatment, electrodes in contact with each other could result in improper stimulation or skin inflammation.

19) Keep the stimulator out of reach of children.

20) Consult your doctor if you are in any doubt whatsoever.

CAUTIONS:
1) In the USA, Federal law restricts this device to sale by or on the order of a physician.

2) For single patient use only.

3) Be aware of the contraindications.

4) This stimulator not intended for unattended, personal use by patients who are noncompliant or emotionally disturbed, or have dementia or low IQ.

5) Read, understand, and observe the warnings, cautions and operating instructions. Know the limitations and hazards associated with using any device. Observe the precautionary and operational decals placed on the unit. Always follow the operating instructions prescribed by your healthcare practitioner.
6) The indications for use are listed above. Use for any other purpose may be dangerous.
7) Do not use this device for undiagnosed pain syndromes until you have consulted a physician.
8) Patients with an implanted electronic device, such as a cardiac pacemaker, implanted defibrillator, or any other metallic or electronic device should not use this device without first consulting a doctor.
9) Stimulation delivered by this device may be sufficient to cause electrocution. Electrical current of this magnitude must not flow through the thorax or across the chest because it may cause a cardiac arrhythmia.
10) Do not place electrodes on the front of the throat as spasm of the Laryngeal and Pharyngeal muscle may occur. Stimulation over the carotid sinus (neck region) may close the airways, make breathing difficult, and may have adverse effects on the heart rhythm or blood pressure.
11) Do not place electrodes on your head or at any sites that may cause the electrical current to flow transcerebrally (through the head).
12) Patients with heart disease, epilepsy, cancer or any other health condition should not use this device without first consulting a physician.
13) Some patients may experience skin irritation or hypersensitivity due to the electrical stimulation or silicone rubber. If a rash develops or pain persists, discontinue use and consult a doctor.
14) Electrode placement and stimulation settings should be based on the guidance of prescribing practitioner.
15) Effectiveness is highly dependent upon patient selection by a person qualified in the management of pain afflicted patients.
16) Isolated cases of skin irritation may occur at the site of the electrode placement following long-term application. If this occurs, discontinue use and consult your physician.
17) The electrodes are only to be placed on healthy skin. Avoid skin irritation by ensuring that good contact is achieved between electrodes and skin.
18) If the stimulation levels are uncomfortable or become uncomfortable, reduce the stimulation Intensity to a comfortable level and contact your physician if problems persist.
19) This device should not be used while driving, operating machinery, close to water, or during any activity in which involuntary muscle contractions may put the user at undue risk of injury.
20) Never use the device in rooms where aerosols (sprays) are used or pure oxygen is being administered.
21) Do not use it near any highly flammable substances, gases or explosives.
22) Do not use this device at the same time as other equipment which sends electrical pulses to your body.
23) Do not confuse the electrode cables and contacts with your headphones or other devices, and do not connect the electrodes to other devices.
24) Do not use sharp objects such as pencil point or ballpoint pen to operate the buttons on the control panel.
25) Inspect leads and associated connectors before each use.
26) Turn the device off before applying or removing electrodes.
27) Electrical stimulators should be used only with the leads and electrodes recommended for use by the manufacturer.
28) This device has no AP/APG protection. Do not use it in the presence of explosive atmosphere and flammable mixture.

**Adverse Reactions:**
1) Skin irritation from the electrode gel is a potential adverse reaction. If skin irritation occurs, discontinue use and consult your physician.
2) If the stimulation levels are uncomfortable, reduce the stimulation Intensity to a comfortable level and contact your physician if problems persist.
2. PRESENTATION

2.1 Front and Rear panel

1) Output socket: Electric signal is output after connection of the cable and adhesive electrodes. Channel 1.
2) Output socket: Electric signal is output after connection of the cable and adhesive electrodes. Channel 2.
3) [▲] Increases the output intensity of Channel 1.
   In Setting state, adjusts the Program and the waveform parameters.
4) [▼] decreases the output intensity of Channel 1.
   In Setting state, adjusts the Program and the waveform parameters.
   Unlocks the keypad.
5) [ M ]. Therapeutic mode selection
   Stop the treatment.
   **Exit setting mode to return to the user interface.**
6) LCD display: Shows the operating state of the device.
7) [▲] Increases the output intensity of Channel 2.
   In Setting state, adjusts the Program and the waveform parameters.
8) [▼] decreases the output intensity of Channel 1.
   In Setting state, adjusts the Program and the waveform parameters.
   Unlocks the keypad.
9) Parameter Selection [S]: press the button to enter setting state; you can
   select the difference parameters in conjunction with [▲] and [▼].
   Press [M] to leave Setting state.
10) Press [-buttons] button to turn on the device,
    Press [button] and hold for approx. 3 seconds to turn off the device.
11) Belt Clip
12) The battery compartment cover for opening
13) Adapter Receptacle

2.2 LCD display

1) Display therapeutic Mode
2) Display therapeutic Program for TENS and EMS
3) Display therapeutic Program for IF and MIC
   or
   Display the cycle time for TENS, IF and MIC Mode in setting state.
4) Timer symbol
5) EMS ramp up and ramp down time
6) Pulse Width indicator
7) Channel 1 label
8) Channel 1 output intensity
   Also displays waveform pulse width or EMS contraction (working) time in setting state.
9) EMS contraction (working) time indicator
10) Keypad LOCK indicator
11) Pulse rate indicator
12) Channel 2 output intensity. Also displays pulse rate or EMS relaxation time in setting state.
13) Channel 2 indicator
14) EMS relaxation time indicator
15) Display treatment time or EMS ramp up and ramp down time
16) Low-battery indicator

3. SPECIFICATION

3.1 Accessories

<table>
<thead>
<tr>
<th>No</th>
<th>DESCRIPTION</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Electrical stimulator device</td>
<td>1 piece</td>
</tr>
<tr>
<td>2</td>
<td>Electrodes Leads</td>
<td>2 pieces</td>
</tr>
<tr>
<td>3</td>
<td>1.5”x1 .5” Adhesive Electrodes</td>
<td>4 pieces</td>
</tr>
<tr>
<td>4</td>
<td>9V Alkaline battery, type 6LR61</td>
<td>1 piece</td>
</tr>
<tr>
<td>5</td>
<td>Instruction Manual</td>
<td>1 piece</td>
</tr>
<tr>
<td>6</td>
<td>Carrying case</td>
<td>1 piece</td>
</tr>
</tbody>
</table>

3.2 Technical Information

<table>
<thead>
<tr>
<th>Channels</th>
<th>Dual, isolated between channels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>9.0V DC Alkaline LR61 battery</td>
</tr>
<tr>
<td></td>
<td>Adaptor output:9.0 Vdc, 800mA (optional)</td>
</tr>
<tr>
<td>Operating conditions</td>
<td>5C to 40C (41 F to 104F) with a relative humidity of 30%-75%, atmospheric pressure from 700 to 1060 Hpa</td>
</tr>
<tr>
<td>Storage conditions</td>
<td>-10C to 50C (14F to 122F) with a relative humidity of 10%-90%, atmospheric pressure from 700 to 1060 Hpa</td>
</tr>
<tr>
<td>Dimensions</td>
<td>4.5x2.55x0.9 inches (L<em>W</em>H)</td>
</tr>
<tr>
<td>Weight</td>
<td>0.28 lbs (With battery)</td>
</tr>
<tr>
<td>Tolerance</td>
<td>There may be a 5% tolerance of all setting and 10% tolerance of output of intensity.</td>
</tr>
<tr>
<td>Timer</td>
<td>Adjustable, from 1 to 60 minutes or continuous. Adjustable by 1 minute each step. Automatic treatment time countdown.</td>
</tr>
<tr>
<td>Electrode Detection Function</td>
<td>The amplitude level will be reset to 0mA when the amplitude level is 12mA or greater and an open circuit is detected on either channel.</td>
</tr>
</tbody>
</table>
### Technical specifications for Transcutaneous Electrical Nerve Stimulator (TENS) mode

<table>
<thead>
<tr>
<th>Waveform</th>
<th>Mono-phase square pulse wave</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pulse amplitude</td>
<td>Adjustable, 0-105mA peak at 1000 ohm Load each channel. 1 mA/Step.</td>
</tr>
<tr>
<td>Pulse Width</td>
<td>Adjustable, from 50 to 300µS, 10µS/step</td>
</tr>
<tr>
<td>Pulse Rate</td>
<td>Adjustable, from 1 to 150Hz, 1 Hz/step</td>
</tr>
<tr>
<td>Burst (B)</td>
<td>Burst rate: Adjustable, 0.5-5Hz, 0.1 Hz/step</td>
</tr>
<tr>
<td></td>
<td>Pulse width adjustable, 50-300µS</td>
</tr>
<tr>
<td></td>
<td>Frequency fixed = 100 Hz</td>
</tr>
<tr>
<td>Normal (N)</td>
<td>The pulse rate and pulse width are adjustable. Generates continuous stimulation based on the setting value.</td>
</tr>
<tr>
<td>Pulse Width</td>
<td>The pulse width is automatically adjusted in a cycle time</td>
</tr>
<tr>
<td>Modulation (M)</td>
<td>The pulse width is decreased from its original setting to 60% in its set cycle time, and then increased from 60% to its original setting in next set cycle time. In this program, pulse rate (1 to 150Hz), pulse width (50 to 300µS) and cycle time (5 to 30sec) are fully adjustable.</td>
</tr>
<tr>
<td>Pulse Rate</td>
<td>The pulse rate is automatically varied in a cycle time. The pulse rate is decreased from its original setting to 60% in set cycle time, and then increased from 60% to its original setting in next cycle time. In this program, pulse rate (1 to 150Hz), pulse width (50 to 300µS) and cycle time (5 to 30sec) are fully adjustable.</td>
</tr>
</tbody>
</table>

### Technical specifications for Electrical Muscle Stimulator (EMS) mode

<table>
<thead>
<tr>
<th>Waveform</th>
<th>Mono-phase square pulse wave</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pulse amplitude</td>
<td>Adjustable, 0-105mA peak at 1000 ohm Load each channel. 1 mA/Step.</td>
</tr>
<tr>
<td>Pulse Width</td>
<td>Adjustable, from 50 to 300µS, 10µS/step</td>
</tr>
<tr>
<td>Pulse Rate</td>
<td>Adjustable, from 1 to 150Hz, 1 Hz/step</td>
</tr>
<tr>
<td>contraction time</td>
<td>Adjustable,1-30 seconds , 1 Sec. / step</td>
</tr>
<tr>
<td>Relaxation (OFF)</td>
<td>Adjustable. 0—60 seconds , 1 Sec./ step</td>
</tr>
<tr>
<td>Ramp time</td>
<td>Adjustable. 1-6 seconds, 1 Sec. / step, The “On” time will increase and decrease with the setting value.</td>
</tr>
<tr>
<td>Synchronous (S)</td>
<td>Stimulation of both channels occurs synchronously. The “ON” time includes “Contraction”, ‘Ramp Up” and “Ramp Down” time, ON TIME =Contraction+ Ramp up + Ramp down</td>
</tr>
<tr>
<td>Alternate (A)</td>
<td>The Stimulation of CH2 will occur after the 1st working of CH1 is completed. OFF time should = or &gt; ON time ON TIME=Contraction + Ramp up + Ramp down. OFF TIME&gt;ON TIME</td>
</tr>
<tr>
<td>Delay (D)</td>
<td>The Stimulation of the CH2 will occur after the 1st working of CH1 is started + Delay Time. Delay time is adjustable from 1 to 10 Sec. ON TIME=Contraction + Ramp up + Ramp down</td>
</tr>
</tbody>
</table>
**Technical specifications for Interferential (IF) mode**

<table>
<thead>
<tr>
<th>Waveform</th>
<th>Bi-phase square pulse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pulse amplitude</td>
<td>Adjustable, 0—70mA peak to peak at 1000 Ω Load each channel, 1 mA/Step</td>
</tr>
</tbody>
</table>
| Pulse Rate | Channel 1 — Fundamental frequency: 4000 Hz fixed  
Channel 2— Selectable frequency: 4001 to 4150 Hz  
Interference frequency: 1 to 150Hz |
| Phase Width | 125 uS |
| P1 | The pulse rate of the CH1 is fixed at 4000Hz; CH2 pulse rate is increased from 4001 Hz to 4010 Hz in a cycle time, and then decreased from 4010Hz to 4001Hz in next set cycle time. In this program CH2 interference frequency is varied from 1 Hz to 10Hz, cycle time (5 to 30 sec) is fully adjustable. CH 2 pulse rate =4000Hz+ Interference frequency |
| P2 | The pulse rate of the CH1 is fixed at 4001 Hz, CH2 pulse rate is increased from 4001Hz to 4150Hz in a cycle time, and then decreased from 4150Hz to 4001 Hz in next set cycle time. In this program, CH2 interference frequency is varied from 1 Hz to 150Hz, cycle time (5 to 30 Sec) is fully adjustable. CH 2 pulse rate = 4000Hz + Interference frequency |
| P3 | The pulse rate of the CH1 is fixed at 4000Hz; CH2 pulse rate is increased from 4050Hz to 4150Hz in a cycle time and then decreased from 4100Hz to 4000Hz in next set cycle time. In this program, CH2 interference frequency is varied from 80Hz to 150Hz, cycle time (5 to 30 sec) is fully adjustable, CH 2 pulse rate =4000Hz+ Interference frequency |
| P4 | The pulse rate of the CH1 is fixed at 4000Hz; CH2 pulse rate is automatically varied in a cycle time. Interference frequency is increased from its original setting to 60% in set cycle time, and then decreased from 60% to its original setting in next set cycle time |
### Technical specifications for Microcurrent (MIC) mode

<table>
<thead>
<tr>
<th><strong>Waveform</strong></th>
<th>Mono-phase square pulse wave</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pulse amplitude</strong></td>
<td>Adjustable, 0.00-0.70mA peak at 1000 Ohm load each channel. 0.01 mA/Step</td>
</tr>
<tr>
<td><strong>Pulse Width (PW.)</strong></td>
<td>Adjustable, from 2 to 200 ms, 1 ms/step P.W.&lt; 1/2xP R.</td>
</tr>
<tr>
<td><strong>Pulse Rate (P R)</strong></td>
<td>Adjustable, from 1 to 150 Hz, 1 Hz/step PR&lt;1/2xPW.</td>
</tr>
<tr>
<td><strong>Constant(P1)</strong></td>
<td>Constant stimulation based on setting value. Only pulse width, pulse rate and timer are adjustable in this program. ‘Constant’ is equal to the ‘Normal” mode of a TENS therapeutic mode.</td>
</tr>
<tr>
<td><strong>Pulse Width Modulation (P2)</strong></td>
<td>The pulse width is automatically varied in a cycle time. The pulse width is decreased from its original setting to 60% in set cycle time, and then increased from 60% to its original setting in next set cycle time. In this program, pulse rate (1 to150Hz), pulse width (2 to 200ms) and cycle time (5 to 30 sec) are fully adjustable.</td>
</tr>
<tr>
<td><strong>Pulse Rate Modulation (P3)</strong></td>
<td>The pulse rate is automatically varied in a cycle time. The pulse rate is decreased from its original setting to 60% in set cycle time, and then increased from 60% to its original setting in the next set cycle time. In this program, pulse rate (1 to 150Hz), pulse width (2 to 200ms) and cycle time (3 to 30 sec) are fully adjustable.</td>
</tr>
</tbody>
</table>
3.3 Waveforms of the stimulation programs

**Burst (B)**

[Diagram showing burst frequency and 7 pulses per burst]

**Normal (N)**

[Diagram showing normal pattern]

**Pulse Width Modulation**

[Diagram showing pulse width modulation]

**Pulse Rate Modulation**

[Diagram showing pulse rate modulation]
Synchronous (S)

Alternate (A)

Delay (D)
4. INSTRUCTIONS FOR USE

4.1 Battery

4.1.1 Check/Replace the battery
When the battery needs to be changed:
1) Slide the battery compartment cover and open.
2) Pull up the battery following the direction of the arrow shown above.
3) Insert the 9V battery into the battery compartment.
4) Make sure you are installing the battery correctly. Be sure to match the positive and negative ends of the battery to the marking in the battery compartment.
5) Press and pull down following the direction of the arrow shown above.
6) Replace the battery compartment cover and press to close.

4.1.2 Disposal of battery
Spent batteries do not belong in the household waste. Dispose of the battery according to the current federal, state and local regulations. As a consumer, you are obligated by law to return spent batteries.
Caution:
1) Battery may be fatal if swallowed. Therefore, keep the battery and the product out of the range of children. If a battery was swallowed, consult a physician immediately.
2) If a battery has leaked, avoid contact with skin, eyes and mucus membranes, Rinse the affected spots with lots of clear water immediately and contact a physician right away.
3) Battery may not be charged, dismantled, thrown into fire or short-circuited.
4) Protect battery from excess heat; Take the batteries out of the product if they are spent or in case you no longer use the article. This prevents damage caused by leaking battery.
5) Always replace with the same type battery.

4.2 Connect electrodes to lead wires

Insert the lead wire connector into electrode connector (standard 2mm female connection). Make sure that no bare metal of the pins is left exposed.

Caution:
Always use electrodes that meet local safety standard:
CE mark: with IEC/EN60601-1, ISO10993-1/-5/-10 and IEC/EN60601-1-2
FDA: 510(K) certified.

4.3 Connect lead wires to device
1) Ensure that the device is completely turned OFF.
2) The wires provided with the system insert into the jack sockets located on top of the device.
3) Holding the insulated portion of the connector, push the plug end of the wire into one of the jacks (see drawing). One or two sets of wires may be used.
4) This device has two output sockets controlled by Channel 1 and Channel 2 at the top of the unit. For IF you must use both channels. For other modes, you may choose to use one channel with one pair of lead wires, or both channels with two pairs of lead wires. Using both channels gives the user the advantage of stimulating two different areas at the same time.

⚠️ Caution
Do not insert the plug of the patient lead wire into any AC power supply socket.

4.4 Electrodes

4.4.1 Electrode options
The electrodes are disposable and should be routinely replaced when they start to lose their adhesive nature. If your electrodes stop sticking properly, order replacement electrodes. To maintain optimal stimulation and to prevent skin irritation, follow the application procedures outlined in the electrode packing,

4.2 Place electrodes on skin
Apply electrodes to the exact site indicated by your physician or therapist. Before applying electrodes be sure the skin surface is thoroughly cleaned and dried. Make sure the electrodes are pressed firmly to the skin and that there is good contact between the skin and the electrodes.
Caution:
1) Wash, degrease, and dry the skin before applying the self-adhesive electrodes.
2) Do not turn on the device when the self-adhesive electrodes are not positioned on the body.
3) Never remove the self-adhesive electrodes from the skin while the device is still turned on.
4) Do not use electrodes smaller than 4cmx4cm

4.4.3 Electrode placement
The positioning of electrodes can be one of the most important parameters in achieving success with therapy. It is important that the physician tries various styles of electrode placement to find which method best fits the needs of the individual patient. Every patient responds to electrical stimulation differently and their needs may vary from the conventional settings suggested here. If the initial results are not positive, speak to your physician about alternative stimulation settings and/or electrode placements. Once an acceptable placement has been achieved, mark down the electrode sites and the settings, so the patient can easily continue treatment at home.

4.5 Turn on

Before using the device for the first time you are strongly advised to take careful note of the counter-indications and safety measures detailed at the beginning of this manual (safety information).

In order to turn on the device, keep the [ 🌋 ] button pressed down until the operation page appears on the screen.
4.6 Select the Therapeutic Mode
There are 4 therapeutic modes available — TENS, IF, MIC, and EMS.
The therapeutic mode can be selected by pressing the [M] control.

Caution:
Consult your physician for your suitable therapeutic mode.

4.7 Steps to Set a New Program

4.7.1 TENS Setting
Press the [S] button to enter the setting state.
Pressing the [S] button repeatedly cycles through the available options.
The settings can be adjusted according to the following steps:

1) Set the Therapeutic Program
There are 4 programs in TENS therapeutic mode available - Burst (B), Normal (N), Pulse Width Modulation (M), and Pulse Rate Modulation (M1). The therapeutic program can be selected by pressing the [▲] and [▼] buttons. When you select a program, the box around the symbol for that program will flash.

2) Set Cycle Time (Optional)
Cycle time is adjustable from 5 to 30 seconds. Only Modulation programs (M and M1) have this parameter setting. Press [S] button cycle to enter this menu, and then press the [▲] and [▼] buttons to adjusting the setting.

3) Set Timer
Press [S] button cycle to enter this setting. The treatment time is adjustable from 1 to 60 minutes or Continuous. Press [▲] or [▼] buttons.
To select Continuous, when the display shows 60 minutes press [▲] button.
Stimulation output will be shut off when time is up.
4) **Set Pulse Width**
Pulse Width is adjustable from 50 uS to 300 uS.
Press [S] button cycle to enter this menu, then press [▲] or [▼] buttons to adjust the setting.

5) **Set Pulse Rate**
Pulse rate is adjustable from 1 Hz to 150 Hz (0.5 Hz to 5Hz for Burst).
Press [S] button cycle to enter this menu, and then press [▲] or [▼] button to adjust the setting.

4.7.2 EMS Setting
Press the [S] button to enter the setting state. Pressing the [S] button repeatedly cycles through the available options.
The settings can be adjusted according to the following steps

1) **Set the Therapeutic Program**
There are 3 programs in EMS therapeutic mode available -Delay, Synchronous and Alternate.
The program can be selected by pressing the [▲] and [▼] buttons. When you select a program, the box around the symbol for that program will flash.

![EMS Setting](image)

2) **Set Timer**
Press [S] button cycle to enter this setting. The treatment time is adjustable from 1 to 60 minutes or Continuous. Press [▲] or [▼] button to adjust setting. To select Continuous, when the display shows 60 minutes press [▲] button.
Stimulation output will be shut off when time is up.

3) **Set Pulse Width**
The pulse width determines the length of time each electrical pulse is applied through the skin, which affects the strength and sensation of the stimulation.
Press [S] button cycle to enter this setting. The pulse width is adjustable from 50 to 300 uS.
Press [▲] or [▼] buttons to adjust the setting.
4) **Set Pulse Rate**
The pulse rate determines how many electrical impulses are applied through the skin each second. Press [S] button cycle to enter this menu. By pressing the [▲] and [▼] buttons to adjusting the setting. The pulse rate is adjustable from 1Hz to 150 Hz.

5) **Set Delay Time (Optional)**
Delay time is adjustable from 1 to 10 seconds. Only the Delay therapeutic program has this parameter setting. Press [S] button cycle to enter this menu, and then press [▲] and [▼] buttons to adjusting the setting.

6) **Set Ramp Time**
The ramp time controls the time that the output current takes to increase from 0 to the set level, and from the set value back to 0. When the ramp time is set, each contraction may be ramped up and down so that the signals come on and off gradually and smoothly. The ramp time is adjustable from 1 to 6 seconds.

7) **Set Contract Time**
The Contract Time controls the time of stimulation. The contraction time can be adjusted. Press [S] button cycle to enter this menu, and then press the [▲] and [▼] button to adjusting the setting. Stimulation from both channels is cycled on and off by the contraction and relaxation settings. The range is adjustable from 1 to 30 seconds.

8) **Caution:**
Contract time does not include the ramp up and ramp down time,
ON time = Ramp up + Contract time + Ramp down.
9) **Set Relaxation (OFF) time**
   The OFF Time controls the duration of the relaxation interval. The relaxation time can be adjusted. Press [S] button cycle to enter this menu, and then press the [▲] and [▼] buttons to adjust the setting. Both channels’ stimulation is cycled on and off by the contraction and relaxation settings. The range is adjustable from 0 to 60 seconds.
   In Alternate program, the OFF Time should equal, or be more than, the ON Time. (OFF TIME>ON TIME)

4.7.3 **IF Setting**
Press the [S] button to enter the setting state. Pressing the [S] button repeatedly cycles through the available options.
The settings can be adjusted according to the following steps:

1) **Set the Therapeutic Program**
   There are 4 programs in IF therapeutic mode available.
The therapeutic program can be selected by pressing the [▲] and [▼] button.
The mode you selected will show up on the top of liquid crystal display.

2) **Set Timer**
   Press [S] button cycle to enter this setting. The treatment time is adjustable from 1 to 60 minutes or Continue. Press [▲] or [▼] control to adjust setting. To select Continuous, when the display shows 60 minutes press [▲] button.
   Stimulation output will be shut off when time is up.

3) **Set Interference frequency (optional)**
   Channel 1 has 4000 Hz fixed Fundamental Frequency.
   Channel 2 has selectable frequency from 4001 to 4150 Hz:
   Interference frequency is adjustable from 1 Hz to 150Hz.
   Only “P4” has this parameter setting.
   Press [S] button cycle to enter this menu, and then press the [▲] and [▼] button to adjusting the setting.
4) **Set Cycle Time**
Cycle time is adjustable from 5 to 30 seconds.
Press [S] button cycle to enter this menu, and then press the [▲] and [▼] button to adjusting the setting.

**4.7.4. MICROCURRENT Setting**

Press the [S] button cycle to enter the setting state. The settings can be adjusted according to the following steps:

1) **Set the Therapeutic Program**
There are 3 programs in MIC therapeutic program available—Constant, Pulse Width Modulation, and Pulse Rate Modulation.
The therapeutic program can be selected by pressing the [▲] and [▼] button. The mode you selected will show up on the top of liquid crystal display.

2) **Set Timer**
Press [S] button cycle to enter this setting. The treatment time is adjustable from 1 to 60 minutes or Continuous. Press [▲] or [▼] button control to adjust setting. You can set the timer to “Continuous” mode by pressing the [▲] control when it shows 60 minutes. Its output will be shut off when time is up.

3) **Set Pulse Width**
Pulse Width is adjustable from 2ms to 200ms. Press “S” button cycle to enter this menu, then press [▲] or [▼] button to adjust the setting.

4) **Set Pulse Rate**
Pulse rate is adjustable from 1 Hz to 150Hz. Press [S] button cycle to enter this menu, and then press [▲] or [▼] button to adjust the setting.
5) **Set Cycle Time (Optional)**
Cycle time is adjustable from 5 to 30 seconds. Only modulation mode has this parameter setting. Press [S] button cycle to enter this menu and then press [▲] or [▼] button to adjust the setting.

4.8 **Adjusting Channel Intensity**
Press the intensity control [▲] or [▼] button to control the intensity output. Slowly press the intensity button control until you reach the setting recommended by your physician or therapist. Repeat for the other channel, if both channels are to be used.

⚠️ **Caution:**
1) If the stimulation levels are uncomfortable or become uncomfortable, reduce the stimulation intensity to a comfortable level and contact your medical practitioner if problems persist.
2) In TENS, EMS and IF therapeutic mode, if the electrodes are not placed firmly on skin or the device has not been connected to the electrodes, when the output intensity is set to more than 12mA, the intensity will automatically reset to zero.

4.9 **Safety Lock Feature**
The Safety Lock Feature automatically activates after there is no operation in the panel for 30 seconds by locking out the ability to press the buttons. This is a safety feature to prevent accidental changes to your settings and to prevent accidental increases to the intensity levels. To unlock the panel, press either one of the [▼] buttons.

4.10 **Stop the treatment**
When you have activated the treatment timer, you can press the [M] button or the [▼] button to stop the treatment.

⚠️ **Caution:**
If the control panel is locked, you must press one of the [▼] buttons to unlock, and then press the [M] button or the [▼] button to stop the treatment.

4.11 **Turn OFF**
Press [电源] button and hold for approx 3 seconds to turn OFF the device.
Note:
1) If there is no operation in the panel for 3 minutes in the waiting state, the device will be turned off automatically.

2) In shutdown state, hold down the Channel 2 [▼] first and then press [ ] at the same time to restore factory parameter settings.

4.12 Low Battery Indicator
When the low power indicator flashes, the device will be turned off automatically. The battery should be replaced with a new one as soon as possible. However, the unit may continue to operate for a few more hours depends on the setting intensity level.

5. PROGRAM

<table>
<thead>
<tr>
<th>Mode</th>
<th>Program</th>
<th>Modulation Method</th>
<th>Frequency</th>
<th>Pulse Width</th>
<th>Treat time</th>
</tr>
</thead>
<tbody>
<tr>
<td>TENS</td>
<td>B</td>
<td>Burst</td>
<td>05-5Hz</td>
<td>50-300 uS</td>
<td>1-60 min, cont</td>
</tr>
<tr>
<td></td>
<td>N</td>
<td>Continuous</td>
<td>1-150Hz</td>
<td>50-300 uS</td>
<td>1-60 min, cont</td>
</tr>
<tr>
<td></td>
<td>M</td>
<td>Pulse width</td>
<td>1-150Hz</td>
<td>50-300 uS</td>
<td>1-60 min, cont</td>
</tr>
<tr>
<td></td>
<td>M1</td>
<td>Frequency</td>
<td>1-150Hz</td>
<td>50-300uS</td>
<td>1-60 min, cont</td>
</tr>
<tr>
<td>EMS</td>
<td>S</td>
<td>Synchronous mode</td>
<td>1-150Hz</td>
<td>50-300 uS</td>
<td>1-60 min, cont</td>
</tr>
<tr>
<td></td>
<td>A</td>
<td>Asynchronous mode</td>
<td>I – I50 Hz</td>
<td>50-300 uS</td>
<td>1-60 min, cont</td>
</tr>
<tr>
<td></td>
<td>D</td>
<td>Delay mode</td>
<td>1-1 50Hz</td>
<td>50-300 uS</td>
<td>1-60 min, cont</td>
</tr>
<tr>
<td>IF</td>
<td>P1</td>
<td>Frequency</td>
<td>4kHz</td>
<td>125uS</td>
<td>1-60 min, cont</td>
</tr>
<tr>
<td></td>
<td>P2</td>
<td>Frequency</td>
<td>4kHz</td>
<td>125uS</td>
<td>1-60 min, cont</td>
</tr>
<tr>
<td></td>
<td>P3</td>
<td>Frequency</td>
<td>4kHz</td>
<td>125uS</td>
<td>1-60 min, cont</td>
</tr>
<tr>
<td></td>
<td>P4</td>
<td>Frequency</td>
<td>4kHz</td>
<td>125uS</td>
<td>1-60 min, cont</td>
</tr>
<tr>
<td>MIC</td>
<td>P1</td>
<td>Continuous</td>
<td>1-150Hz</td>
<td>2-200 mS</td>
<td>1-60 min, cont</td>
</tr>
<tr>
<td></td>
<td>P2</td>
<td>Frequency</td>
<td>1-150Hz</td>
<td>2-200 mS</td>
<td>1-60 min, cont</td>
</tr>
<tr>
<td></td>
<td>P3</td>
<td>Frequency</td>
<td>1-150Hz</td>
<td>2-200 mS</td>
<td>1-60 min, cont</td>
</tr>
</tbody>
</table>
6. CLEANING AND CARE

6.1 Tips for skin care

To avoid skin irritation, especially if you have sensitive skin, follow these suggestions:

1) Wash the area of skin where you will be placing the electrodes, using mild soap and water before applying electrodes and after taking them off. Be sure to rinse soap off thoroughly and dry skin well.
2) Excess hair may be clipped with scissors; do not shave stimulation area.
3) Wipe the area with the skin preparation your clinician has recommended. Let this dry. Apply electrodes as directed.
4) Many skin problems arise from the “pulling stress’ from adhesive patches that are excessively stretched across the skin during application. To prevent this, apply electrodes from centre outward; avoid stretching over the skin.
5) To minimize “pulling stress”, tape extra lengths of lead wires to the skin in a loop to prevent tugging on electrodes.
6) When removing electrodes, always remove by pulling in the direction of hair growth.
7) It may be helpful to rub skin lotion on electrode placement area when not wearing electrodes.
8) Never apply electrodes over irritated or broken skin.

6.2 Cleaning the device

1) Remove the battery from the device every time you clean it.
2) Clean the device after use with a soft, slightly moistened cloth. In case of more extreme soiling you can also moisten the cloth with mild soapy water.
3) Do not use any chemical cleaners or abrasive agents for cleaning.
6.3 electrodes

To use these electrodes:
1) Attach the electrode to the lead wire.
2) Remove the protective backing from the electrode surface. Do not throw away the protective backing because it is reused after the treatment session has been completed.
3) Place the tacky surface to the prescribed skin area by pressing the electrode firmly against the skin.

To remove your electrodes
1) Lift the corner of the electrode and gently remove it from the skin.
2) Apply the protective backing to the tacky side of the electrode.
3) Place the electrode on the side of the protective backing that is labeled with the word on.
4) Store the electrodes in the resealable pouch or a plastic bag.

Caution:
1) Do not pull on the electrode wire. Doing so may damage the wire and electrode.
2) Do not apply to broken skin.
3) The electrodes should be discarded when they are no longer adhering.
4) The electrodes are intended for single patient use only.
5) If irritation occurs, discontinue use and consult your clinician.
6) Read the instructions for use of self-adhesive electrodes before application.
7) Always use electrodes which meet CE requirements: IEC/EN60601-1, ISO10993-1-5-10 and IEC/EN60601-1-2, or are legally marketed in the US under 510(K) procedure.
6.4 Cleaning the patient Lead Wires
Clean the lead wires by wiping them with a damp cloth. Coating them lightly with talcum powder will reduce tangles and prolong the life.

6.5 Maintenance
1) Maintenance and all repairs should only be carried out by an authorized agency. The manufacturer will not be held responsible for the results of maintenance or repairs by unauthorized persons.
2) The user must not attempt any repairs to the device or any of its accessories. Please contact the retailer for repair.
3 Opening of the equipment by unauthorized agencies is not allowed and will terminate any claim to warranty.
4) Check the unit before each use for signs of wear and / or damage. Replace worn items as required.
## 7. TROUBLESHOOTING

If your device does not seem to be operating correctly, refer to the chart below to determine what may be wrong. Should none of these measures correct the problem, the device should be serviced.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
</table>
| Display fails to light up        | Battery contact failure                             | 1. Try fresh batteries.  
2. Ensure batteries are inserted correctly.  
Check the following:  
Contacts:  
- All contacts are in place  
- All contacts are not broken. |
| Stimulation weak                 | Electrodes  
1. Dried out or damaged  
2. Incorrect placement  
Lead wires  
1. Worn or damaged            | Replace and re-connect                                      |
| Stimulation is uncomfortable.    | Intensity is too high  
Electrodes are too close together  
Damaged or worn electrodes or lead wires  
Electrode active area size is too small | Decrease intensity.  
Reposition the electrodes.  
Replace                                                                 |
| Intermittent output              | Lead wires                                           | 1. Verify connection is secure. Insert firmly.  
2. Turn down the intensity. Rotate lead wires in socket 90 degrees.  
If still intermittent replace lead wire.  
3. If still intermittent after replacing lead wire, a component may have failed- Call the repair department  
Some programs will seem intermittent. This is expected-Refer to the Program Option controls in the Operation section for a description of the program option. |
| Stimulation is ineffective.      | Improper electrode and applicator placement Unknown | Reposition electrode and applicator                                     |
|                                  |                                                     | Contact clinician                                                        |
8. STORAGE
1) For a prolonged pause in treatment, store the device in a dry room and protect it against heat, sunshine and moisture.
2) Store the device in a cool, well-ventilated place
3) Never place any heavy objects on the device.

9. DISPOSAL
Used, fully discharged, batteries must be disposed of in a specially labeled collection container, at toxic waste collection points or through an electrical retailer. You are under legal obligation to dispose of batteries correctly.
Please dispose of the device in accordance with the legal obligation.
# 10. ELECTROMAGNETIC COMPATIBILITY (EMC) TABLES

**Guidance and manufacturers declaration - electromagnetic emissions**

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

<table>
<thead>
<tr>
<th>Emissions testl</th>
<th>Compliance</th>
<th>Electromagnetic environment- guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF emissions CISPR11</td>
<td>Group 1</td>
<td>The device uses 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.</td>
</tr>
<tr>
<td>RF emissions CISPR11</td>
<td>Class B</td>
<td>The device is suitable for use in all establishments other than domestic and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.</td>
</tr>
<tr>
<td>Harmonic emissions <em>IEC 61000-3-2</em></td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Voltage fluctuations/ flicker emissions <em>IEC 61000-3-3</em></td>
<td>Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

**Guidance and manufacturers declaration — electromagnetic immunity**

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

<table>
<thead>
<tr>
<th>Immunity lent</th>
<th>IEC 60601 Test level</th>
<th>Compliance level</th>
<th>Electromagnetic environment:-guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrostatic discharge (ESD) <em>IEC 61000-4-2</em></td>
<td>± 6kV contact +/− 8 kV air</td>
<td>± 6kV contact +/− 8 kV air</td>
<td>Floors should be wood concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.</td>
</tr>
</tbody>
</table>
### Guidance and manufacturers declaration. Electromagnetic immunity

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

<table>
<thead>
<tr>
<th>Immunity test</th>
<th>IEC 60501 Test level</th>
<th>Compliance level</th>
<th>Electromagnetic environment-guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conducted RF</td>
<td>IEC 61000-4-6</td>
<td>3 Vrms</td>
<td>Portable and mobile RF communications equipment should be used no closer to any part of the device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance.</td>
</tr>
<tr>
<td>RF</td>
<td></td>
<td>150kHz to 80MHz</td>
<td>d= 1.2√P</td>
</tr>
<tr>
<td>Radiated RF</td>
<td>IEC 61000-4-3</td>
<td>3 Vrms</td>
<td>d= 1.2√P 80MHz to 800MHz</td>
</tr>
<tr>
<td></td>
<td></td>
<td>80 MHz to 2.5GHz</td>
<td>d= 2.3√P 800MHz to 2.5GHz</td>
</tr>
</tbody>
</table>

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 meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic survey should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol.

**NOTE 1** At 80MHz ends 800 MHz, 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.

1. Field strengths from fixed 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, and electromagnetic site survey should be considered. If the measured field strength in the location in which the device is used exceeds the applicable RF compliance level above, the device should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the device.

2. Over the frequency range 150kHz to 80MHz, field strengths should be less than [v] V/m.
Recommended separation distances between portable and mobile RF communications equipment and the device

The device is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or user of the device can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the device as recommended below, according to the maximum output power of the communications equipment.

<table>
<thead>
<tr>
<th>Rated maximum output power of transmitter W</th>
<th>Separation distance according to frequency of transmitter m</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 kHz to 80MHz d=1.2√P</td>
<td>80MHz to 800MHz d=1.2√P</td>
</tr>
<tr>
<td>0.01</td>
<td>0.12</td>
</tr>
<tr>
<td>0.1</td>
<td>0.38</td>
</tr>
<tr>
<td>1</td>
<td>1.2</td>
</tr>
<tr>
<td>10</td>
<td>3.8</td>
</tr>
<tr>
<td>100</td>
<td>12</td>
</tr>
</tbody>
</table>

For transmitters rated at a maximum output power not listed above, the recommended separation distance 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.

NOTE1: At 80MHz and 800 MHz the separation distance for the higher frequency range applies.
NOTE2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.
## 11. NORMALIZED SYMBOLS

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOT</td>
<td>Batch code…100601</td>
</tr>
<tr>
<td>SN</td>
<td>Serial number …0100001</td>
</tr>
<tr>
<td>!</td>
<td>Attention. Read the operating instructions</td>
</tr>
<tr>
<td>⚠️</td>
<td>Electrical devices are recyclable material and should not be disposed of with household waste after their useful life. Help us to protect the environment and save resources and take this device to the appropriate collection points. Please contact the organization which is responsible for waste disposal in your area if you have any questions.</td>
</tr>
<tr>
<td>🏥</td>
<td>Medical Device standard definition: Type BF Applied Part</td>
</tr>
</tbody>
</table>

## 12. WARRANTY

Please contact your dealer or the device centre in case of a claim under the warranty. If you have to send in the unit, enclose a copy of your receipt and state what the defect is.

### The following warranty terms apply:

1) The warranty period for the device is one year from date of purchase. In case of a warranty claim, the date of purchase has to be proven by means of the sales receipt or invoice.
2) Repairs under warranty do not extend the warranty period either for the device or for the replacement parts.
3) The following is excluded under the warranty:
   - All damage which has arisen due to improper treatment, e.g. nonobservance of the user instruction.
   - All damage which is due to repairs or tampering by the customer or unauthorised third parties.
   - Damage which has arisen during transport from the manufacturer to the customer or during transport to the service centre.
   - Accessories, which are subject to normal wear and tear.
4) Liability for direct or indirect consequential losses caused by the unit is excluded even if the damage to the unit is accepted as a warranty claim.
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9 Blenheim Road
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+44 1372 723434
www.tenscare.co.uk
info@tenscare.co.uk

Manufacturer:
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