Most of modern people are the 3C group. Watching the screen for a long time is easy to cause neck muscle stiffness. Therefore, Genius FIR Photo-thermal Soothing Pad has far-infrared, phototherapy and hot compress effects, which can eliminate fatigue, improve blood circulation, soothe muscle soreness and stiffness, help maintain good health, relax body, help to fall asleep, and make the spirit strong. Whether it is used at work, at home, after sports, or when traveling in the car, aircraft, are very convenient and practical.

**Wearing Suggestion**

- Neck Collar (regular accessory): The specifically designed neck collar, which is exclusive for the Genius FIR Photo-thermal Soothing Pad, is suitable for soothing the discomfort of the stiff neck. (Fig. 1 & 2)
- Neck collar, which is designed for use with specific body parts, such as the neck, waist, hands, feet, and etc., to soothe the body stiffness and discomfort.
- Elastic velcro bandage (regular accessory): The flexible velcro bandage is suitable for wearing on the waist according to personal figure. The user can adjust the height of the bandage and the position of the Genius FIR Photo-thermal Soothing Pad to the uncomfortable part based on the pain that brought by your movement or the slight pressure of the skin.
- Bracers (prepared by yourself): The Genius FIR Photo-thermal Soothing Pad is worn with a kneepad (or elastic bandage) to relieve the discomfort of knee joints and the legs. (Fig. 8)
- Elbow Guard (prepared by yourself): The Genius FIR Photo-thermal Soothing Pad is worn with an elbow guard (or elastic bandage) to relieve the discomfort of elbow and elbow joints. (Fig. 7)
- Kneepad (prepared by yourself): The Genius FIR Photo-thermal Soothing Pad is worn with a kneepad (or elastic bandage) to relieve the discomfort of knee joints and the legs. (Figure 8)
- Breathable tape (prepared by yourself): You can directly use the breathable tape to fix the pad on the pain part, such as the nearby position of the adjacent shoulder. (Fig. 5)

**FEATURES**

- Simultaneously, it is capable of far infrared, light, and hot compress functions to help improve blood circulation.
- Apply the plane of illumination to the uncomfortable part of the body, which is very easy to use.
- Close-fitting, strong penetration, fast effect.
- Lightweight and easy to carry.
- Apply to the neck, waist, hands, feet, and etc., to soothe the body stiffness and discomfort.
- It can be used as long as the USB power is on and wherever you go.
- Triple temperature overheat protection mechanism, which is safe and secure.
- Safety certification of radiation-free.

**PART DESCRIPTION**

- **Sticking Position**
- **MicroUSB port**
- **Main device**
- **LED indicator**

**EXPERIENCE NOW**

Connect the mobile power supply and the Genius FIR Photo-thermal Soothing Pad with the Micro-USB power cable, then turn on the portable power.

(Note: part of the mobile power will be automatically turned on after connecting with the Genius FIR Photo-thermal Soothing Pad according to their portable power characteristics.)

**USING INFORMATION**

- The usage time comparison table of the Genius FIR Photo-thermal Soothing Pad with USB mobile power:

<table>
<thead>
<tr>
<th>Mobile power capacity</th>
<th>Genius FIR Photo-Thermal Soothing Pad (Average power: 250mA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000mAh</td>
<td>~10 hrs</td>
</tr>
<tr>
<td>4000mAh</td>
<td>~16 hrs</td>
</tr>
<tr>
<td>5200mAh</td>
<td>~20 hrs</td>
</tr>
<tr>
<td>6000mAh</td>
<td>~24 hrs</td>
</tr>
<tr>
<td>10000mAh</td>
<td>~36 hrs</td>
</tr>
</tbody>
</table>

**MESSAGE INFORMATION**

- The gradually brightening and fading out has cycled twice over a period of 5 minutes. Notes: During normal operation, if the mode of power-on startup is suddenly stopped, the USB power cable may be faulty, or the USB connector may be poorly connected.
- The gradually brightening and fading out has cycled for 5 minutes. Low temperature burn prevention mode.
- Lights on for 25 minutes. Normal temperature control mode.

**SPECIFICATION**

- Dimensions: 50mm × 80mm × 9mm (Excluding cable)
- Net weight: 20g (typ.) (Excluding cable)
- Use power supply: (DC) 5.0 Volt / 500mA(max)
- Electric consumption: 500mah(max)/ 250mah(avg)
- Power Consumption: 1.25W(avg)
- Emission wavelength:
  1. 660 nm (+5 nm) red light
  2. 850 nm (+5 nm) infrared light
  3. Far Infrared Light.
- Overheat protection:
  1. Burn of low temperature prevention mechanism.
  2. Starting temperature of the electronic overheat protection: 45 ± 1°C
  3. Starting temperature of the mechanical overheat protection: 50 ± 5°C

---

**Warranty Information**

- Warranty Period: 12 months from the date of purchase
- Company Name: BESTEK ELECTRONICS CORP.
- Address: F2., No.4, Alley, 8. Ln. 45, Baoxing Rd., Xindian Dist., New Taipei City 23145, Taiwan
- Website: www.pedometer365.com
- Email: info@bestek.com.tw
- Telephone: 886-2-2911-8606
- Customer: [Name] [Address] [Email] [Telephone]
- **Warranty Terms & Conditions:**
  - Free maintenance provided within 12 months from date of purchase with the warranty card.
  - Note: 2600mah is indicated as the capacity of the power supply for this mobile power, rather than mean that the current output capability of this mobile power supply is 2600mA.
To provide customers with peace of mind, the Genius FIR Photo-thermal Soothing Pad has passed the SGS radiation "no detection" safety certification (CE/2019/16971).

● Does the Genius FIR Photo-thermal Soothing Pad have a preventive mechanism for "low temperature burns"?

→When hot compressing, if the heat accumulates in the same part for too long, the skin is overheated, and the epidermal cells are destroyed, which is so-called "low-temperature burn." According to the experience, the low-temperature burn at 60 °C may cause the burn for 1 minute; 50 °C for 3 minutes; 44 °C for 3 to 4 hours; and 42 °C for 6 hours. Under the basic setting of "maximum contact surface temperature of 43 °C" and "maximum heating working time of 6 hours," the Genius FIR Photo-thermal Soothing Pad added a microcomputer temperature control rule of "resting for 5 minutes every 25 minutes of hot compressing" to prevent the low-temperature burn.

● Does it still effective for relieving the muscle pain without plugging in?

→It continues to radiate a basic amount of far-infrared light without plugging in, which are equivalent to the far-infrared magnet energy products that are generally not plugged in.

● What is the Genius FIR Photo-Thermal Soothing Pad?

→Welcome to use the Genius FIR Photo-thermal Soothing Pad! The news has reported that there is a burn in the infrared heat treatment lamp on the market. Does the Genius FIR Photo-thermal Soothing Pad have any doubts about the burn?

→The penetration rate of far infrared light is awful, and users of using the illumination of the far-infrared radiation "no detection" safety certification (CE/2019/16971).

● The news has reported that there is a burn in the infrared heat treatment lamp on the market. Does the Genius FIR Photo-thermal Soothing Pad have any doubts about the burn?

→It applies electronic microcomputer temperature control and mechanical heat accumulation switch and uses double overheating protection mechanism to avoid the burn.

● The news has reported that some energy products on the market have been tested for radiation (radiation) exceeding national safety standards. Does the Genius FIR Photo-thermal Soothing Pad have any doubts about radiation exceeding the standard?

→It uses a cold-pressing technique to increase the far-infrared emissivity effectively, and there is absolutely no harmful substances added to enhance the far-infrared emissivity.

● The reasons of muscle pain?

→The reason of muscle pain can be approximately divided into two categories: Firstly, it is mainly due to poor blood circulation that causes insufficient oxygen circulation in the muscles, and the muscle metabolites can’t be rapidly discharged. To soothe this kind of soreness problem, it should promote blood circulation and metabolism, and the hot-compressing is generally used in this case. Secondly, the muscle soreness caused by muscle injury (sprain, strain,) which is "inflammatory pain." To relieve it, the cold-compressing or medications is recommended to use to improve the problem.

● The reasons of "bad blood circulation" or "bad metabolism?" small blood vessel circulation. The reasons can be divided as the following categories:

(1) Maintaining a fixed posture for a long time (sitting or standing for a long time) will easily cause muscle stiffness and soreness due to poor blood circulation.

(2) After exercise, muscle metabolites will accumulate in the body. If the blood circulation is not good enough, it will cause soreness or iron leg after exercise.

(3) Bad sleeping posture will easily cause muscle stiffness and soreness due to poor blood circulation, which is so-called "stiff neck."

(4) Low temperature at night or the changes of the weather temperature can also cause poor blood circulation in the joints of the body, which may result in muscle pain and tight discomfort that is called "arthritis."

● The effect of phototherapy?

→According to research, the red light with a wavelength of 630 nm to 660 nm can encourage blood circulation, stimulate skin collagen as well as elastin proliferation, and activate fibril in a non-invasive manner, and accelerate the heal of wounds and cells. Accordingly, the Taiwan Institute of Technology and many other manufacturers have introduced related products based on the wavelength of 630nm~660nm red light for beauty purposes, such as an LED mask.

The Genius FIR Photo-thermal Soothing Pad uses 660nm red light as the primary wavelength source of phototherapy mechanism to promote blood circulation.

● The effect of hyperthermia mechanism of the Genius FIR Photo-thermal Soothing Pad?

→Concerning the current industrial measurement technique, it is unable to quantitatively measure the far-infrared "intensity." At present, most of the "far-infrared emissivity" is used as a reference for comparison. In fact, under the assumption of different materials and environmental parameters, the reference value of "far-infrared emissivity" is also controversial. The Genius FIR Photo-thermal Soothing Pad developed the technology of "far-infrared emissivity enhancement technique" based on the theory of material properties, to transform the near heat far-infrared material to improve the far-infrared emissivity of the materials used.