



ARRIS  
7.4V HEATED VEST  
USER MANUAL

2

**PARAMETER**

7.4V HEATING VEST  
Material: 100% Polyester + 100% Polyester Soft Fleece  
Heating System: Carbon Fiber Far Infrared Ray (FIR) Heating System  
Rated power: 13W  
Rated Voltage: 7.4V  
Output Current: Max. 1.7A  
Temperature: 40°C ~ 80°C (104°F ~ 176°F)

**Note:** The temperature is directly tested from the internal heating element, which means the external temperature you feel when wearing it on will be slightly lower.

**BATTERY:**

Name: Smart Li-polymer Battery  
Model: 1090190  
Capacity: 7.4V 7200mAh 53.28Wh  
Output: DC 7.4V 2.1A  
Input: DC 8.4V 1.2A max

**CHARGER**

Model: 084100  
Input: 100-240V AC 50/60Hz 0.13A  
Output: 8.4V 1.0A

3

**HOW LONG WILL THE BATTERY LAST WHILE IN USE?**

a. Power on [button icon] button only -----It can last 9-20 hours  
b. Power on [button icon] button only -----It can last 6-12 hours  
c. Power on [button icon] button only -----It can last 9-20 hours  
d. Power on [button icon] + [button icon] + [button icon] -----It can last 3-10 hours

**Note:** The using time depends on the temperature you choose.

**PRODUCT FEATURES**

1. Almost all heating vest in the market are powered by 5V power bank, while we use 7.4V battery, which can offer unmatched power to the heating vest.  
2. 5 temperature settings and three buttons to control the temperature of different areas, you can choose the desired model at your own will  
3. Totally 8 heating pads guarantees the warmth of your whole body  
4. Built-in thermal protection model. If overheating occurs, the system will shut down until return to normal operating temperature

4

**WASHING NOTICE**

1. Take out the battery before washing.  
2. Wash at 30-40°C and at a gentle spin.  
3. Supports hand washing, machine washing and dry cleaning.  
4. For best results, hand-dry it. Avoid tumble-drying.  
5. Fleece should never be ironed, steamed, pressed or dry-cleaned as this may cause melting. Avoid any use of bleach or fabric softener  
6. Make sure to use it when it is completely dry.

**PRECAUTION**

1. DO NOT fall asleep with the heated vest on.  
2. ONLY use the equipped 7.4V battery to power the heated vest. Use of any other batteries or power banks is strictly prohibited.  
3. Those with pacemakers, pregnant women, young children and those who can not express their willingness are prohibited to use the product.  
4. Do not put flammable and explosive articles on the hot part of the heated vest.  
5. Due to the difference in personal skin sensitivity, some users may experience discomfort. When this happens, discontinue use immediately to avoid burns or skin allergies.  
6. Never use the heated vest if it is wet or moist.

5

**DC Plug**

Insert this DC plug into 7.4V lipo battery to power on the heating system

**USB**

It can be used to power on the mobile phone through plugging charging wire of your mobile phone into this USB port

**NOTE:** Charging cable does not included, please prepare your charging cable in advance.

**NOTE:** These heating pads in different areas can work together or work separately.

Power on this button, 2 heating pads in front chest position will be heated

Power on this button, 4 heating pads (1 back + 2 waists + 1 neck) will be heated

Power on this button, 2 heating pads in abdomen position will be heated

6

**HOW TO USE**

1. Plug DC plug (inside the pocket) of the heated Vest into socket of 7.4V lipo battery.

2. Power on the rechargeable battery by pressing the power button on the battery for 3-5s.

3. Press different buttons on the vest to start heating different areas:

3.1 Press [button icon] on the vest for 3-5 seconds to illuminate this button, 2 heating pads in abdomen position will be heated.

3.2 Press [button icon] on the vest for 3-5 seconds to illuminate this button, 4 heating pads in back and waist position will be heated.

3.3 Press [button icon] on the vest for 3-5 seconds to illuminate this button, 2 heating pads in front chest position will be heated.

4. Short press heat [button icon] button respectively on the heated Vest to choose the desired heating level for different heating areas.

5. Plug charging wire of your mobile phone into USB port (inside the right pocket) Then mobile phone can be automatically charged.

6. Long press power button on the battery to turn off the power.

7. Unplug the battery.

**NOTE:** Charging cable does not included, please prepare your charging cable in advance.

**NOTE:** These heating pads in different areas can work together or work separately.

Very High	High	Medium	Low	Pre-heat
Red	Purple	Green	Yellow	Blue
80°C (176°F)	70°C (158°F)	60°C (140°F)	50°C (122°F)	40°C (104°F)

7

**HOW TO CHARGE**

MAKE SURE to use the equipped charger to charge the battery.

1. Turn off the battery before charging.  
2. Plug charger on the wall. It often takes 6-7 hours to full charge the battery. During charging, the light on the wall charger is solid red. When fully charged, the light on charger becomes solid green.  
During charging, the blue light on the battery is flashing. When fully charged, the flashing light on the battery becomes solid blue (3 blue lights on).

**NOTE:** When the battery voltage reaches 100%, both the led light on the charger will turn to green and all 3 blue lights on the battery will become solid blue.

**How to extend battery life:**

The battery performance will degrade if left uncharged for an extended period of time. We can do following steps to extend the battery life:

1. Please fully charge the battery before putting it in storage if you do not intend to use the knee brace wrap for several days.  
2. Please fully charge the battery before each use since battery will lose charge while in storage.

**Battery Capacity:**

Short press the button on battery:

Low --- 30% capacity  
Medium --- 60% capacity  
High --- 90% capacity