



# OPERATING INSTRUCTIONS



**IonGear™**  
**Battery Powered Heating Vest**  
**Product #5627**

**IonGear™**  
**Battery Powered Heating Jacket**  
**Product #5690**

*Keeping you comfortable at work, rest or play ...*

# Contents

- (1) Softshell Barrier Fleece VEST or JACKET  
(Sizes: XS-XXXL and Custom)
- (1) InfraRed Heating System with Carbon Fiber Elements  
(3 pads connected by wires)
- (1) Temperature Controller
- (1) Li-Polymer Battery Unit
- (1) Battery Charger



## Getting Started

### 1) Charging the Battery

Connect the battery to the charger and plug the charger into any standard electrical outlet. The battery must continuously charge for a minimum of eight hours during its initial charge period. After the initial charge, it should take approximately four hours to re-charge a fully discharged battery. The LED light on the charger will indicate RED when the battery is being charged and will indicate GREEN once the battery is fully charged.

## IonGear™ Battery Specifications

Type	Li-Polymer
Voltage	7.4V
Capacity	4400mAh
Weight	8.0 oz (237 gm)
Dimensions	3.25" x 2.75" x 1" (8.3 x 7 x 2.5 cm)
Battery Life	500 charge cycles
Approvals	CE, TUV, UL, CCC
Country of Origin	China

### 2) Connecting the System

Once fully charged, insert the battery into the reinforced battery pocket (inside front, lower left hand side). The battery should be inserted with the battery wire pointing upward. Secure the battery in place by firmly closing the hook & loop pocket closure. Insert the heating elements into the internal pockets and close using hook/loop closure (the front right element will need to slide through the back pocket in order for all the heating elements to fit properly). Each heating element pad will have a "Face Inward" marking on one side, always ensure that this side is against the body. Insert the temperature controller into the chest pocket and feed the two wires through the grommet hole at the bottom of the pocket (wire ends will need to be fed through one at a time). Connect the heating elements to the temperature controller and connect the battery to the temperature controller. Tuck any excess wires into the pocket behind the battery.



### 3) Using the Battery Powered Heating Vest or Jacket

After connecting your IonGear system, access the temperature controller in the chest pocket. Push the “ON/OFF” button to turn on the system (the temperature will default to MED). Adjust the temperature settings by pressing the LOW, MED & HI buttons found on the temperature controller. You should feel warmth from the heating elements 1 – 2 minutes after turning on your system.

### IonGear™ Temperature Specifications

SETTINGS	Temperature	Approx. Duration - Full Charge
LOW	104°F/40°C	9 hours
MED	122°F/50°C	6 hours
HI	140°F/60°C	4 hours

To turn the system off, press the “ON/OFF” button until all lights on the temperature controller turn off.

### 4) Re-charging the Battery

Remove the battery from the vest, connect it to the charger and plug the charger into any standard electrical outlet. Charging is complete once the LED on the charger indicates green.

### 5) Optional 12V Direct Connect Converter (sold separately)

IonGear™ Battery Powered Heating Vests and Jackets can also operate on a 12V power source using our optional 12V Direct Connect Converter Connection System. (Product #5698)



Connect the female receptacle directly to your 12V battery using the positive and negative wires provided. Remove the battery from your IonGear™ Vest or Jacket and connect the inline 12V converter. The 12V Direct Connect Converter also allows users to power the heating vest or jacket directly from one's car, truck or other 12V power supply ... simply plug into the cigarette lighter. ***THE 12V DIRECT CONNECT CONVERTER CANNOT BE USED TO RE-CHARGE THE 7.4V BATTERY.***

**Product Warranty:** 1 Year

## Washing

To wash this product, remove all system components from the garment. Machine wash the 100% polyester fleece vest (garment only) in cold water and tumble dry on low heat. To clean the Heating Elements, Battery, Temperature Controller and/or Charger, wipe with a dry cloth.

## Battery Storage

Store the battery/controller in a cool, dry area. Avoid extended exposure to direct sunlight. Re-charge after long periods of non-use.

## Precautions

Read and follow all "Operating Instructions" prior to using this product. Stop using this product immediately if it becomes damaged or is found to be defective. Do not attempt to disassemble the battery unit, temperature controller or heating elements. If the battery unit, temperature controller or heating element is broken, cracked or ruptured, avoid contact with skin and discard immediately. In the event of contact with skin, mouth or eyes, flush immediately with cold water and consult a physician.

## Precautions continued ...

Do not place heating elements directly on the skin, during sleeping, with infants, on frostbite or on desensitized skin as this may cause irritation or burns. Discontinue use immediately if InfraRed Heating Elements become uncomfortably hot. Keep out of reach of children. Do not use this product if battery unit, temperature controller or heating elements will be directly exposed to water or wet conditions.

## Contact Us

Please contact us if you have any questions on the use of these products.

Thank you for purchasing our climate control apparel. We appreciate your business and if you have any questions, comments or suggestions, please do not hesitate to contact us.



Vista, California, USA  
[www.techniche-intl.com](http://www.techniche-intl.com)  
1-888-823-2665  
+ 1-760-476-0654  
[sales@techniche-intl.com](mailto:sales@techniche-intl.com)

# Other IonGear™ Products



**Battery Powered Heating Gloves**



**Battery Powered Wireless Heating Insoles**





Vista, California, USA  
[www.techniche-intl.com](http://www.techniche-intl.com)  
1-888-823-2665  
+ 1-760-476-0654  
[sales@techniche-intl.com](mailto:sales@techniche-intl.com)

#### CONNECT WITH US



[TechNiche.International](http://TechNiche.International)



[facebook.com/TechNicheInternational](https://facebook.com/TechNicheInternational)



[twitter.com/technicheintl](https://twitter.com/technicheintl)



[youtube.com/technicheintl](https://youtube.com/technicheintl)

*Keeping you comfortable at work, rest or play ...*