

it is not about where you are
but about where you are going!



Designed and Manufactured by

Warm & Safe Heated Gear, LLC

For Use with All Heated Apparel

Portable Heat-troller™

Features:

- **Electronic, solid state design coupled with analog control for a full range of heat, with minimum power loss**
- **LED provides visual feedback for On, Off, Power Level & Polarity**
- **Sealed Switch with tactile On/Off with 300° rotation, providing heat from 3% to full on!**
- **Heat-troller is waterproof and can be left on the bike in the rain**
- **Solid State, High Tech, Safe & Reliable Electronics designed by us**
- **Fits comfortably into the palm of the hand or pocket or on the Bike or Scooter or Horse or Small Airplane or just about anywhere!**
- **Battery harness made of automotive grade wire that is resistant to oil, acid, water and grime with automotive style fuse**
- **Plug compatible with most DC heated products**
- **Handles 15 amps at 13.8 volts with internal reset for overloads & shorts & works from 7 volts to 24 volts**
- **Recommended for All Heated Clothing**

**To see more technical information as well as use and mounting ideas,
visit our website www.warmnsafe.com**

Instructions for Installing Battery Harness

Read through all these instructions BEFORE starting

1. Turn off the vehicle, generator or any charging source for the battery
2. At the battery,
 - a. First disconnect the ground negative (-) cable from the battery
 - b. Then disconnect the positive (+) cable from the battery
3. Attach the positive ring terminal from the enclosed battery harness to the positive terminal on the battery. The positive ring terminal can be distinguished from the negative by the fact that it has a fuse attached to the wire. Reattach the bolt to the battery and tighten. Attach the negative ring terminal from the battery harness to the negative terminal on the battery.
4. The negative ring terminal can be distinguished from the positive by the fact that it does NOT have a fuse attached to the wire. Reattach the bolt to the battery and tighten.
5. Secure the wire harness with cable straps. Be certain the wire harness and all cords are not pinched. The connecting plug should be easily accessible but clear of all moving parts.
6. Test the connection! Plug the Heat-troller to the Battery Harness. On the Single Heat-troller the LED will flash Red. If Solid Yellow, then the polarity is reversed, and the harness is on wrong. On the Dual Heat-troller, if the clear lens LED is lighting up Yellow instead of Red, then the polarity is reversed, and the harness is on wrong.

CAUTION: It is possible to overload your charging system by adding too many electrical accessories. If your combined accessories use more electrical current (Amps) than your charging system can produce, the consumption can discharge the battery leading to electric system damage. Ask your dealer or check your owner's manual for advice about the amount of current consumed by additional electrical accessories. The BMW CANBUS is only fused to 7.5Amps or less. It will not support most heated clothing. You should run the battery harness directly to the battery.

Using Your Portable Heat-troller

1. Turn the knob of the Heat-troller to the "off" position. Attach the plug of the Heat-troller marked "power in" to the connecting plug on the battery harness.
2. Attach the plug marked "power out" directly to the garment. With the Heat-troller turned OFF, the LED should be OFF. When you turn the Heat-troller ON the LED will start to flash, increasing in rate & heat as you turn the Heat-troller knob to full. When the light stays on without blinking, it is on full power.
3. Remember - the plug marked "power in" always goes to the power source; the one marked "power out" always goes to the garment. If the Heat-troller is not plugged in correctly, it will not work correctly.

Troubleshooting Information

1. If your Heat-troller does not operate, check all connections for tightness & the wires for proper connection.
2. Make sure the battery harness is plugged directly to the battery and not to a fuse block & Polarity is correct.
3. If you are using a BMW power adapter made by some other company, check to see if the wires inside have come loose. Check the BMW socket is fused for enough draw and NEVER use the BMW power port on a CAN BUS system.
4. If the Knob is too hard or too easy to turn, loosen the screw on the knob & adjust the knob & O-ring against the Nut of the Switch then retighten the knob set screw.

For all issues contact us at www.warmnsafe.com • infows@warmnsafe.com • or call +1(702)357-8664

Guidelines for Using Your Heat-troller

To reduce the risk of burns, electric shock or fire, the Heat-troller must be used in accordance with the following instructions:

- Use the Heat-troller only on DC power with properly rated power source, this includes a rechargeable battery or an AC to DC power adapter. Contact Warm & Safe Heated Gear, LLC for powering clothing off AC/DC power supply or battery pack.
- The output cord (marked power out) of the Heat-troller is intended for use only with approved heated items. Other devices such as battery tenders should not be connected directly to the Heat-troller. Do not use a Fuse Block. It is not designed for the greater draw of heated clothing.
- For safety reasons, the Heat-troller, when in use, should be somewhere it can be seen and easily adjusted. That means NOT put in the pocket of clothing, down the jacket, in a tank bag, or anywhere one cannot reach it easily to change the heat while the Heat-troller is being used! We include Velcro with it so you can mount it, to reach with the left hand where it can be adjusted easily. On top of the Clutch reservoir is where I put it.
- Read through the installation instructions and warranty information in this booklet before installing the Heat-troller.
- Broken wires or shorts in your heated clothing can damage your Heat-troller, even though the clothing may appear to function normally. If your Heat-troller fails to function correctly, we suggest you immediately check your clothing for shorts. You can find simple instructions for testing on our website.

IMPORTANT!

A Dual Heat-troller is not a two-fer. It is not for use by two people but to control multiple clothing on one person!

IMPORTANT!

This Heat-troller has been equipped with a resettable cut-off for your protection, which will cause the unit to stop working if there is a short in the clothing or wires. Just turn off the Heat-troller, repair the problem, and then turn the Heat-troller back on.

CAUTION: It is possible to overload your charging system by adding too many electrical accessories. If your combined accessories use more electrical current (Amps) than your charging system can produce, the consumption can discharge the battery leading to electric system damage. Ask your dealer or check your owner's manual for advice about the amount of current consumed by additional electrical accessories.

BMW CANBUS is only fused to 7.5Amps or less. It will not support most heated clothing. You should run the battery harness directly to the battery.

Warranty Information

If this unit fails due to faulty parts, design or manufacturing within 3 YEARS of your purchase date we WILL replace or fix it. BUT all warranties will be voided IF the following guidelines are not followed:

- Do not cut any of the wires or connectors!
- Only use the battery harness, cigarette plug adaptor, or BMW® power port adaptor MADE BY US to power your Heat-Troller! Attempting to use a home-made BMW® or cigarette plug adaptor will void the warranty.
- The Heat-Troller should be installed in accordance with the enclosed instructions. Do not use a fuse block to power heated clothing. BMW CANBUS is may not be able to handle the draw.
- We are not responsible for units damaged by incorrect installation, improper use or shorts in the clothing caused by tampering.
- Wear and Tear items such as Knobs, Cables and Connectors are not covered.

For all issues contact us at www.warmnsafe.com • infows@warmnsafe.com • or call +1(702)357-8664



Designed and Manufactured by

Warm & Safe Heated Gear, LLC

it is not about where you are but about where you are going!

