



www.warmnsafe.com

Warm & Safe Heated Gear

by the makers of the Heat-troller

It is not about where you are but about where you are going!™



Heated Jacket Liner Information

Heated Clothing Designed by Motorcyclists

The Warm & Safe Heated Liner Jackets are made to be light, thin and body fitting using non-coated Nylon Taffeta, with Polartek Fleece at the neck, which is also heated, providing comfort while free of moisture. The non-coated material allows the liner to breathe and moisture to get out. The Polartek Fleece keeps the wet from rain away from your neck.

Lycra stretch panels allow a form fitting close fit to the body without sacrificing comfort, and allow optimum heat transfer to the body.

Our liner is designed to be temperature neutral so that you can leave home wearing your gear and not have to stop by the side of the road to dress and undress as you ride through warm and cold zones. In our own extensive testing, we have found the liner to be comfortable in up to 70° weather.

This garment is designed to deliver serious heat in an instant when the weather is seriously cold. There is heat in the sleeves, in the front, in the lower back, in the upper back and in the neck for full heat coverage.

Zippered hand pockets and integrated plugs for connecting gloves and pants are also hidden in small zippered pockets when not in use. Eureka! No more dangly cords when sipping coffee at the cafe...

All our liners come wired with glove and pants connectors. All the wiring is in parallel so that if one wire fails, the whole liner does not. But with our unique wiring for gloves and pants, you can, with slight modification, run Widder gloves with our liners.

Because of an ingenious design, we have made each Liner capable of running with either a single or dual Heat-troller without having to rewire it.

Every Warm & Safe Liner comes with a stowing pouch so that you can pack it away using minimal space when not in use.

Since we developed the use of the DC Coax Power Plug and Jack for Heated Clothing, ALL Warm & Safe Heated Clothing use our coax connectors which give a better connection, are smaller, and are plug compatible with others on the market.

And they are warm! The Men's Heated Liner Jacket produces 100 Watts of heat with a draw of 8A at 12.8v. The Women's Heated Liner Jacket produces 92 Watts of heat with a draw of 7.5A at 12.8v.

Please Take Note: Our Heated Clothing does not come with a Heat-troller or an ON/OFF Switch or even a Battery Harness. Our Heated Clothing Gets Too Warm to Use Without a Heat-troller. If you don't Have a Heat-troller, Remember to Order One.

WARRANTY!! This product is warranted to be free from defects in materials and workmanship for a period of One year. Manufacturing defects in the Electronics are guaranteed for the life of the garment. Heat-troller purchased with OUR liners and used only with OUR liners are guaranteed for 5 years!

Heated Clothing is not just about motorcycling. It is about keeping warm in the house or in the car or in the office with our "Seattle" Jacket Liner. Running off of 12 to 28 VDC, 110 to 220 VAC or even a battery pack, these liners will give you the flexibility you need for a full day of comfort no matter what you are doing.

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Heated Clothing is not just about motorcycling. It is about keeping warm in the house or in the car or in the office with our "Seattle" Jacket Liner (65 Watts). Running off of 12 to 28 VDC, 110 to 220 VAC or even a battery pack, these liners will give you the flexibility you need for a full day of comfort no matter what you are doing. Add suffix -65 to part number to order.
Older Style SAE Power Plug Available-Replace CX with SAE



Men's Warm & Safe Heated Liner (100 Watts)

Liner-CX-MN-SM	Warm & Safe Heated Liner Small
Liner-CX-MN-MED	Warm & Safe Heated Liner Med
Liner-CX-MN-LG	Warm & Safe Heated Liner Large
Liner-CX-MN-XL	Warm & Safe Heated Liner XL
Liner-CX-MN-XXL	Warm & Safe Heated Liner XXL
Liner-CX-MN-XXXL	Warm & Safe Heated Liner XXXL

Women's Warm & Safe Heated Liner (92 Watts)

Liner-CX-WN-SM	Warm & Safe Heated Liner Small
Liner-CX-WN-MED	Warm & Safe Heated Liner Med
Liner-CX-WN-LG	Warm & Safe Heated Liner Large
Liner-CX-WN-XL	Warm & Safe Heated Liner XL



Warm & Safe Heated Gloves with Carbon Fiber For the Rider. Heat Without Bulk!

Gloves-CF-Small	Heated Gloves Small
Gloves-CF-MED	Heated Gloves Medium
Gloves-CF-LG	Heated Gloves Large
Gloves-CF-XL	Heated Gloves XL
Gloves-CF-XXL	Heated Gloves XXL

Warm & Safe Heated Passenger Gloves Heat All Through the Glove

Gloves-PG-Small	Heated Gloves Extra Small
Gloves-PG-MED	Heated Gloves Small
Gloves-PG-LG	Heated Gloves Medium
Gloves-PG-XL	Heated Gloves Large
Gloves-PG-XXL	Heated Gloves XL



It Ain't No Rheostat!

So, just what is the Heat-troller™ heated clothing controller?

The Heat-troller is a DC (direct current), power controller designed for heated clothing, blankets, pads and other heated products that are powered by a battery. You can think of the Heat-troller™ as a dimmer switch for your heated products. It turns fully off and provides a full range of heat that is constant at any setting, just as a light dimmer switch gives you constant light at different levels.

The Heat-troller™ is a pulse-width modulated controller with a 1 second cycle time. That means that over a 1 second period, the power is turned on from about 10% to 100% of the time, adjustable with the knob on the controller. When the power is turned full on, full power is applied to the load. In the example given, if the heated grips are 16 Watts each and the Heat-troller is adjusted to 50%, the grips will get 16 Watts for half a second, then no power for half a second, giving an average of 8 Watts of power. The Heat-troller is more efficient than a rheostat because it makes very little wasted heat when turned on. For two 16 Watt grips, the Heat-troller makes less than 0.1 Watts of heat at 50%. A rheostat would make about 16 Watts of wasted heat at the same 50% setting

Single Heat-troller™ is 1.5" x 2.25" x .85" or 38 mm x 57 mm x 21.5 mm in size and the case actually tapers so that it fits easily into the hand. It is small enough to Velcro on to clothing, to a tank bag, to a wheel chair and yet is not so small that it becomes hard to handle while wearing gloves or if physically challenged. The Heat-troller™ comes either in a Portable model or a Mounted model designed to mount out of sight with only the switch and L.E.D. showing. This not only works well for mounting in everything from motorcycles to toll booths but can be used to replace the two position switches for snow mobile hand grips and heated car seats

The efficiency of the design allows over 98% of the power from your battery to reach your heated clothing. When you turn the Heat-troller™ on or off you can feel and hear the positive snap of the switch. Because the Heat-troller™ is a solid state device, the switch controls the electronics not the power. This allows for the switch to have a true OFF position. But even if the Heat-troller™ is left turned on and plugged into a power source but unplugged from the heated product, the only power it will draw is just enough power to flash the LED.

The Heat-troller™ is plug compatible with most heated products on the market. However, we have our connectors made to our specification using a lower diameter material on the connector housing and non-locking amp connectors, allowing it to plug and unplug easier than the old style used in the past by many companies. We also manufacture our own heated clothing and have designed products like heated blankets and heating pads as well as a heated harness for use with wheel chairs and electric scooters.

Coax Plug Heat-trollers

Max Load in Standard Configuration - 15 amp at 13.8 volt
Flashing L.E.D. provides Visual Feedback
Coax DC Connectors based on our designs



SPCOAX—Single Portable Heat-troller Coax
Size - 1.5" x 2.25" x .85".
Battery harness with covered fuse holder included.



SMCOAX—Single Mounted Heat-troller Coax
Switch and LED on a PC board with 5ft cord for Panel
Mounting. Switch box size - .8" L x .9" W x .7" H. Built
in 18" battery harness with 15 amp fuse.



SSMCOAX—Single Semi-Mounted Heat-troller™
The perfect product for those that don't want or can't drill
holes in their Bike. Same specs as the Mounted Heat-troller
except for one important feature: the switch comes in a box,
1.5" L x 1.3" W x .9" H, that can be Velcroed on to the fairing or
the clutch fluid reservoir so that you don't need to drill a hole
in the fairing. Built in 18" battery harness with 15 amp fuse.

DPCOAX—Dual Portable Heat-troller Coax
Please note: This is not a 2 for 1 deal! This Heat-troller is
designed for 1 person to control 2 sections of heated
clothing only. Size - 1" x 2" x 3".
Output: Two Coax Connectors
Battery harness with covered fuse holder included.



DMCOAX—Dual Mounted Coax Heat-troller Coax
Please note: This is not a 2 for 1 deal! This Heat-troller
is designed for 1 person to control 2 sections of
heated clothing only.
Switch and LED on PC board with 5 ft cord for Panel
Mounting. Built in 18" battery harness with 15 amp
fuse.



Heat-trollers for Handgrips & Thumb Warmers For Motorcycles, ATV & Snowmobiles

Max Load in Standard Configuration -
15 amp at 13.8 volt
Size - 1.5 in x 2.25 in x .85 in
Switch on 5ft cord for Panel Mounting
Flashing L.E.D. provides Visual Feedback
16 AWG wires for installation



SHG—Handgrip Heat-troller
Size - 1.5" x 2.25" x .85"
Switch on 5ft cord for Panel Mounting
4' 18 AWG wires for installation to Heated Grips or Seats

SSMHG—The Semi-Mounted Handgrip Heat-troller has the same specs as above except that the switch comes mounted in a box, 1.5"x 1.3"x .9", which can be Velcroed on to the fairing or the clutch fluid reservoir so that you don't need to drill a hole in the fairing.

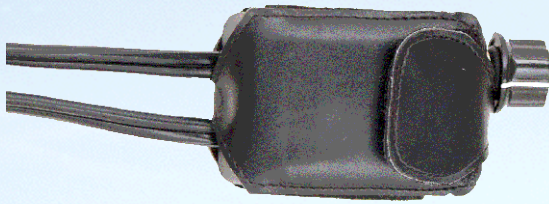


DHG—Dual Handgrip Thumb/ Warmer Heat-troller
This is a Dual Handgrip Heat-troller designed to control the power separately to the handgrips and thumb warmer on an ATV. The Switches are designed to mount into the plastic and the controller box mounts out of site.

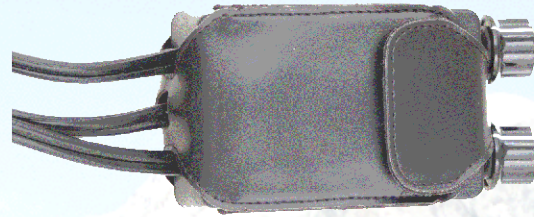
DSMHG—Dual Semi-Mount Handgrip/Thumb Warmer Heat-troller
This is a Dual Semi-Mount Handgrip Heat-troller designed to control the power separately to the handgrips and thumb warmer on an ATV. The Switches and LEDs are in a separate box designed to mount on top of the plastic or controls, while the controller box mounts out of site.



Heat-troller Accessories



PouchSingle—Single Portable Heat-troller Pouch
Convenient belt clip on back of pouch for clipping the Heat-troller to a belt or tank bag.



PouchDual—Dual Portable Heat-troller Pouch
Convenient belt clip on back of pouch for clipping the Heat-troller to a belt or tank bag.



BMWPlug—BMW Type Plug



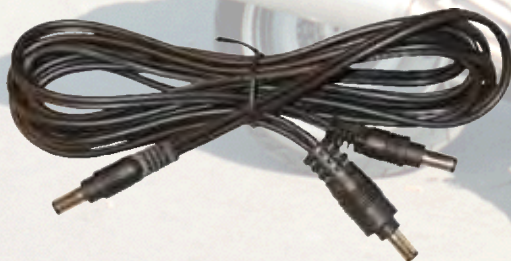
BMWSocketwCover—BMW Socket with Cover
This socket comes with a spring loaded cover to keep out dirt and water.



BMWPACC—BMW Plug to Coax Jack 18" Adapter
This BMW style plug has 18" of 18 AWG wire to a Coax Jack. The BMW Plug is filled to keep the wires from coming out and to make it waterproof.

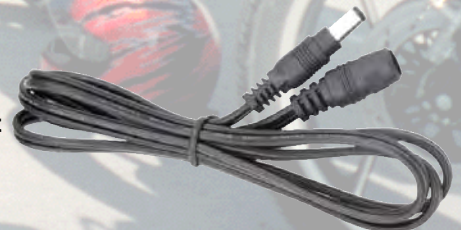
PPAdapter—Cig/BMW Plug to Coax Jack 18" Adapter
This Special Plug can be used in both the car and the motorcycle, has 18" of 18 AWG wire to a Coax Jack.

PPDualPlug—Power Port/BMW Dual Plug



Y Cable Long—Y-CBL-LONG
Y Cable for running Gloves without our liner or Socks
1 Length is 53 inch and 1 Length is 45 inch

DC-EXT 2ft—DC Coax Extension Cable 2 ft



SHUTTERSTOCK

Size Charts

Men's Liner	Small	Med	Large	XL	XXL	XXXL	Women's Liner	Small	Med	Large	XL
Chest	37-39	40-42	43-45	46-49	50-53	53-57	Dress Size	6-8	10-12	14-16	18-20
Waist	34	35-36	37-39	40-42	43-47	48-50	Chest	33-34	35-37	38-40	41-43
Sleeve Length*	33 1/2	35	36	37	38	39	Sleeve Length*	30 1/2	31 1/2	32	33

*To measure Sleeve Length; with elbow bent, measure from the center of the back of neck, then over top of the shoulder, then over the elbow and down to the wrist.

Gloves	XSmall	Small	Med	Large	XL	XXL
Inches	6 1/2-7	7-7 1/2	8-8 1/2	9-9 1/2	10-10 1/2	11+

To measure for Gloves: take a tape measure and wrap it around your hand over the knuckles and make a fist.

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By the makers of the Heat-troller™

Remember:

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www.warmnsafe.com

sales@warmnsafe.com

We welcome your feedback. Watch our Website for New Products.

SEE PHOTOS OF OUR MOTORCYCLE TRAVELS ALL OVER THE WORLD

www.thejourneyisthegoal.com

The travel photos in this catalog are of us and taken in “summer” over various years of travel Europe. That’s why we say “It is about where you are going”. A snow storm or a cold front can hit you any time. Be prepared with our heated gear.

Heated Clothing is not just about motorcycling. It is about keeping warm in the house or in the car or in the office with our “Seattle” Jacket Liner. Running off of 12 to 28 VDC, 110 to 220 VAC or even a battery pack, these liners will give you the flexibility you need for a full day of comfort no matter what you are doing.