



FIRSTGEAR®
PREMIUM RIDING GEAR AND ACCESSORIES



Manufactured by

Warm & Safe Heated Gear, LLC

SINGLE REMOTE HEAT-TROLLER™

for use with all heated apparel

Wireless Heat-Troller & Remote Control Features:

- Small Single or Dual Remote Control with power adjustment capability from 3% to 100%
- The Remote Control is easily synced to the Receiver
- JIC support turns the Dual Receiver on 1/3 power so that even if the Remote Control is lost, the heat still flows. The Single Receiver has a button to control heat if you lose the Remote.
- The red L.E.D. on the Receiver indicates that unit is connected to the power correctly. The yellow L.E.D. indicates the polarity is reversed
- An L.E.D. is on the remote for feedback
- The Receiver unit is waterproof and can be left in the liner if laundered by hand. Please refer to the care instructions located in the liner.
- Solid-state, high-tech, safe & reliable electronics designed by us
- Fits comfortably into the palm of your hand, pocket or on the bike, scooter, horse or small airplane. Just about anywhere!
- Battery harness is made of automotive grade wire that is resistant to oil, acid, water and grime and has an automotive style fuse
- Plug compatible with most DC heated products
- Handles 15 amps at 13 volts with an internal circuit reset for overloads & shorts & works from 7 to 24 volt
- Recommended for all heated clothing



Instructions for Installing Battery Harness

Read through all these instructions BEFORE starting

(Do not use a Battery Tender harness to power heated clothing!)

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 Firstgear 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 Receiver to the Battery Harness. The red L.E.D. on the Receiver should light and the yellow L.E.D. should stay off. If the polarity is reversed, the red L.E.D. will be off and the yellow will be 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.

Getting the Heat-Troller Receiver & Remote to Talk to Each Other

1. Before installing the Receiver in the Liner, leave the Receiver unplugged from the power.
2. Using only one knob, turn the Remote on and then off quickly 3 times, 6 clicks*, allowing the L.E.D. to light between each click. You should end with the switch in the off position.
*You will hear 6 clicks with 3 on/off's!
3. The L.E.D. on the Remote will start double-blinking and you won't be able to stop it even with the switch in the off position. This mode lasts about 10 seconds.
4. While the Remote is double-blinking, plug in the Receiver to the power. Do this quickly because you only have 10 seconds to plug it to the power while the L.E.D.s are double blinking. The units will pair up automatically. You will know that they are paired if you left the switch in the off position and the heat to the liner stops. Once synced, you should never have to do it again.

Use Instructions for the Remote Control

1. Once you have synced the Remote Control, it works just like the other Heat-Trollers.
2. On the dual remote, turn the red knob on to start power to the liner, yellow to the secondary item. On the Single Remote, the single knob controls it all.
3. In order to extend the Remote Control battery life, the L.E.D. only turns on when the switch is moved. It will stay on for about a second after you move the switch, unless the battery is getting low. In this case, it will blink after you move the switch.
4. The battery should last a season and is replaced by removing the screws that hold the lid in place. The battery is a CR2032 and is available anywhere coin-cell batteries are sold.

The O-Ring and the Knob: There is an O-ring under the knob. You can loosen the knob and adjust the o-ring to make the knob turn harder or softer! If the knob turns too tight then adjust the o-ring.

Installing Your Heat-Troller Receiver in the Liner

1. In our Generation 4 Liners, there is a receiver pocket in the left handwarmer pocket that is designed to store the Receiver. Once installed, you never have to remove it if you follow proper care instructions.
2. The Receiver slips in through the top of the 'receiver pocket' found in the left handwarmer pocket. There is a slit in the bottom of the smaller pocket for a wire exit. (See the drawing with the liner instructions)
3. Once in the pocket, attach the grey jack to the main power plug in the liner pocket. The grey jack from the receiver is for powering the liner and any other items attached to the liner power circuit.
4. Locate the buttonhole in the lower inside corner of the hand pocket and another buttonhole inside the accessory pocket (small zippered pocket) in the inside lower left lining. You will need to take the cable with the black jack and push it through the button holes from the hand pocket into the accessory pocket so that the jack exits into the little zippered pocket. This will allow you to control whatever items you want to control separately.
5. After you sync the Heat-Troller and you want to use it, connect the red plug from the Receiver to the battery Harness or DC power source. The red L.E.D. on the Receiver should turn on (only for 40 sec) and the Yellow L.E.D. should stay off. If the polarity is reversed, the red L.E.D. will be off & the yellow will stay on.
6. AS A SAFTY FEATURE, every time the Receiver is plugged to power, it will self adjust to 1/3 power until you turn the Remote control on. Once the Remote is on, the Receiver will be controlled by it. So if you want no heat, turn the Remote to off.

Installation Instructions for Older Liners & other brands

1. Just plug the grey connector of the Receiver to the main power plug in the left handwarmer pocket of the liner. If you buy the Dual, you can try to make a hole, very carefully, between the handwarmer pocket and the small zippered pocket to get the black connector to the glove & pants plugs.
2. Put the receiver into the pocket. Plug the red Receiver plug into the power source. The red L.E.D. on the Receiver should turn on (only for 40 sec).
3. When using the Remote Heat-Troller with clothing made by another company, you need to be a little more inventive, but we are sure you can figure it out.

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 the Firstgear 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. We are not responsible for units damaged by incorrect installation, improper use or shorts in the clothing caused by tampering.

For all issues contact us at www.warmnsafe.com • info@warmnsafe.com • or call +1(702)357-8664
Designed & Manufactured By Warm & Safe Heated Gear, LLC