



GERBING

Connection and Controller Guide

WHY:

- How to connect Gerbing to your bike
- How to power & control your Gerbing gear

Connecting your heated gear to your motorcycle:

- What comes with Gear?
 - battery harness (one with every 12V product)
 - snake through frame to somewhere accessible
 - jacket connections are on left, so battery connection should be on left side of motorcycle
 - This power source will connect directly to jacket or to a temperature controller (recommended)
 - most folks end up buying multiple products, **so we always recommend getting the dual controller**
 - set of fuses w/ instruction manual
 - use a fuse rated for the riding gear selected
 - when you ADD or CHANGE the combination of items, check the fuse requirements and change fuse as needed.
 - use the lowest rated fuse that is rated above your calculated TOTAL current draw
 - e.g: Gloves 2.2 amp + jacket 6.9 amp = 9.1 amp
 - FUSE REQUIRED = 10amp
 - we recommend using 15A to accommodate for “surge” upon start up
 - AMP DRAW
 - Gloves 2.2
 - socks 2.2
 - jacket 6.9
 - pants 4
 - vest 4.2
 - Gloves, socks and insoles come with battery & Y-harness
 - Y-Harness provides power to both heated accessories.
 - Gloves Y-Harness is only needed if NOT connecting gloves to a jacket liner
 - Socks / Insoles Y-Harness is only needed if NOT connecting to a pant liner

- Connecting to factory 12V outlet:
 - Gerbing can plug into any 12V outlet on your bike (if your bike has a CanBus installed, Gerbing recommends using battery harness to bypass CanBus)
 - if using a factory 12V outlet, you will not need to use the Gerbing fused battery harness
 - if you have a cigarette connection, you can buy the 12V adapter to convert to the Gerbing coax plug
 - this plug would plug directly into your temp controller
 - Gerbing sells accessory ports that would be powered directly from battery that provides convenient access to power for your heated gear.
 - plug can be installed anywhere with an inch of clearance behind port (fairings, etc)
 - The Gerbing cigarette plug can be used in any 12V vehicle and has an On/Off switch built into the plug.
- SAE & CoAx
 - if you already have a battery tender or SAE cable coming off your bike, you can still use both powered accessories with only one battery harness coming off your bike.
 - **recommended** to replace battery harness that came with Battery Tender with the provided fused cable from Gerbing, then purchase the Coax to SAE to run the Battery Tender when needed. This will make sure the power has the proper fuse attached to it for running your heated gear. The Gerbing battery harness has the correct gauge wire for the application.
 - Just keep the SAE adapter connected to the Battery Tender for ease of use when you pull into your garage.

How to power & control your Gerbing Heated Gear:

- Temperature Neutral is key to riding comfort
 - you don't want to be too warm where you are sweating
 - Maximum temperature for the Gerbing Microwire heating panels are 135 degrees.
 - don't want to be too cold so that you are burning excess sugars and can fatigue easily
 - Using a controller allows the rider to regulate the heat dependant on riding conditions and personal comfort levels
- Permanent Temperature controllers:
 - are available in single or dual options
 - mount to the motorcycle / not easily transferred from bike to bike
 - gives convenient location for adjusting temperature while riding
 - If you use more than one motorcycle with your heated gear, you will need a controller on each bike.
- Portable Temperature controllers:
 - are available in single or dual options
 - can be put in a pocket or a belt clip / easily transferred from bike to bike
 - can travel from bike to bike, as long as there is a 12V power source and the appropriate connection (12V accessory plug or pre-installed battery harness)

- Single Temp Controller provides 1 temperature adjustment for all heated gear
 - can power one Gerbing heated product
 - connect red male coax cable to power source (Gerbing fused battery harness OR accessory / cigarette lighter plug)
 - Potential configurations:
 - Jacket Liner - plug white female coax cable to white male coax cable inside jacket pocket
 - If rider wants to also power gloves from a single temperature controller, they will need to purchase a splitter to bring power to both jacket liner and gloves
 - Vest Liner - same as jacket liner
 - Pant Liner - same as jacket liner (plugs into yellow male coax cable)
 - Gloves, Socks, Insoles - plug into Y-Harness to power both items
- Dual Temp Controller provides 2 separate zones for heating
 - first zone is the jacket (White Wire)
 - this lives on a separate circuit that allows the rider to adjust the temperature of the jacket separate from gloves
 - if pants are connected to jacket using the provided yellow wire, jacket and pants will have the same temperature zone
 - the other zone is the gloves zone (Black Wire)
 - can control gloves in a separate zone, if connected
 - if connected jacket / vest is connected to the yellow wire in the pants, all items (jacket / vest, pants, socks, or insoles) are controlled with one temperature. Only the gloves will remain on a separate zone.
 - Red wire always goes to battery source

12V Batteries

- Flex Pack Battery Kit (BATLI128FPKT)-
 - 10amp battery (currently the largest 12V battery offered by Gerbing)
 - can be trickled charged while riding
 - can power Jacket Liner and gloves (combined 9.1amps)
 - also has USB port for charging additional USB supported item
 - comes with remote control
- Lithium 8ah Battery Kit (BATLI128MVRE)-
 - 8ah battery pack
 - can power any Gerbing 12V OR 7V product
 - can power jacket liner OR gloves. Not recommended for Jacket and gloves combined
 - also has USB port for charging additional USB supported item
 - comes with remote control
- Lithium 5.2ah Battery Kit (BATLI125RE)-
 - 5.2ah battery pack with remote control
 - Best if used with only 1 Gerbing item (vest, gloves, insoles, OR socks)