

Variable Heated Grips

I've done this to a couple of my bikes and it's nice to be able to fine-tune the heated grips to just the right heat level for the weather you're riding in. What I use is a 12 volt 8 amp PWM (pulse width modulator) "LED Dimmer" that can be had on eBay for about \$4. (Search for "12V Led Dimmer")



When you take the box apart you'll find that the potentiometer under the knob is separate from the PWM printed circuit board. What I did was lengthen those wires so that I could install the potentiometer and knob in the dash pad and hid the rest of it in the fairing. I also coated the potentiometer in five minute epoxy to waterproof it. In addition, I installed a red 3mm 12V LED, wired to the output, right above the control knob for visual verification that the heated grips are getting power and to make it easier to find the knob at night.

[BMW OEM Heated Grips:](#) The factory main wiring harness for K bikes has a connector for heated grips. It is a "T" connector which has short leads and can be found under the tank on the left side about two thirds

of the way back. It has two wires. The green/black wire is switched power from Fuse 1. The brown wire is a ground. Use the green/black wire as the positive input and the black wire as the positive output.

Symtec Heated Grips: Get the positive input power from the OEM heated grips connector described in the prior paragraph. This is a fused, switched power source. Use the white wires from the heating elements as the positive output from the PWM. Ground the red wires. (You could try running both the white and blue wires to the positive output but you may run the risk of getting too much heat and melting the plastic throttle tube.)

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