



## MOSFET Trigger Install Guide

By: WolfDragon – May 2009

**NOTE:** This document has been superseded by the main product manual currently posted to each products page of [www.ProjectWolfDragon.com](http://www.ProjectWolfDragon.com). This version of the document has since been modified to only be an install guide for MOSFET Triggers. The filename remains the same as my last check of site traffic indicated that this file is directly requested from other webpages. Since the information in this guide is presented in the main product manual, this file will not be linked to form my site nor will it be updated in the future.

The purpose of this document is to give a complete, but very simple overview on how to properly install a MOSFET Trigger into nearly any AEG. This guide assumes that the installer is capable of isassembling/reassembling his/her AEG as well as the ability to solder connections where no connector has been provided or wires have not been terminated. Additionally the knowledge of how to properly shrink heat shrink tubing is necessary.

Most all MOSFET Triggers fall into two categories: 5 wire and 6 wire configurations. Functionally these different types are identical; they are just wired slightly differently. Furthermore, the presence/absence of Active Braking has NO effect on the Figures shown below.

### Identify Your Hardware

Your MOSFET Trigger will have either 5 or 6 wires coming from it; think of the entire unit as a "Black Box" and just count. You will typically find the following: 2 Heavy Gauge Black Wires, 2 Heavy Gauge Red Wires, and either one or two smaller gauge wires. Provided the manufacturer of your MOSFET Trigger was nice enough, these wires should be labeled. The key here is to know which Red/Black pair is for the Battery and the Motor. The other important bit of information is to know what each of the smaller wires does. If your MOSFET Trigger is the 5 wire variety, the 5<sup>th</sup> wire is simply the Gate Control wire, I call this the Gate wire since it controls the Gate pin of the MOSFET(s) used in your MOSFET Trigger. If your MOSFET Trigger is the 6 wire variety, one of these smaller wires is just an extension of the Red Wire for the Battery; this is the Trigger Power (T Power or short) wire for the Trigger Contacts. Use a multimeter set to ohm mode and look for the meter to read 0.00 (a "dead short") to verify the connection between the Trigger Power wire and the Battery Red wire.

Refer to the three following figures if you plan to install only a MOSFET Trigger in your AEG.

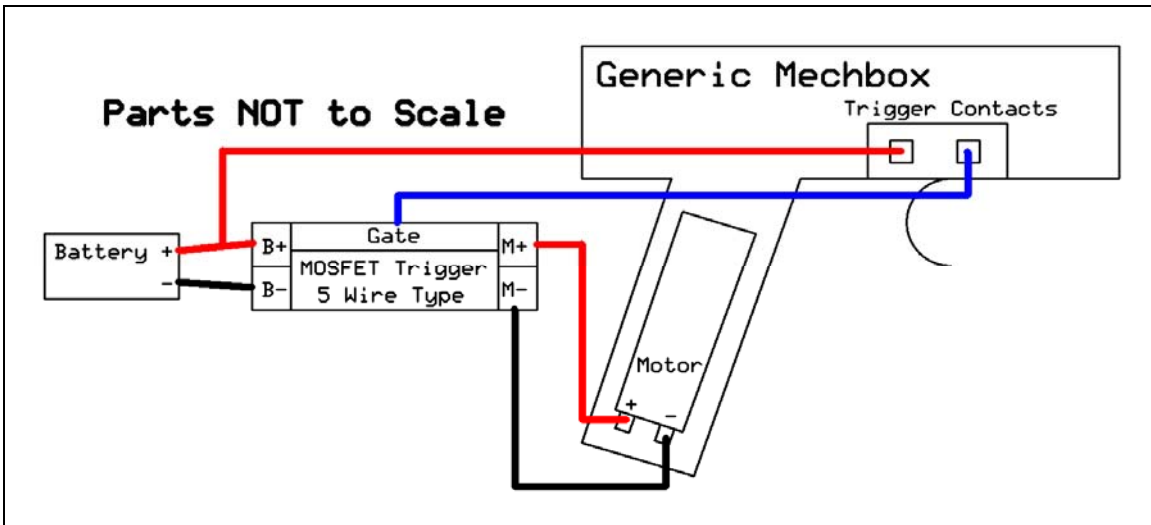


Figure 1-1: 5 Wire MOSFET Wiring Diagram

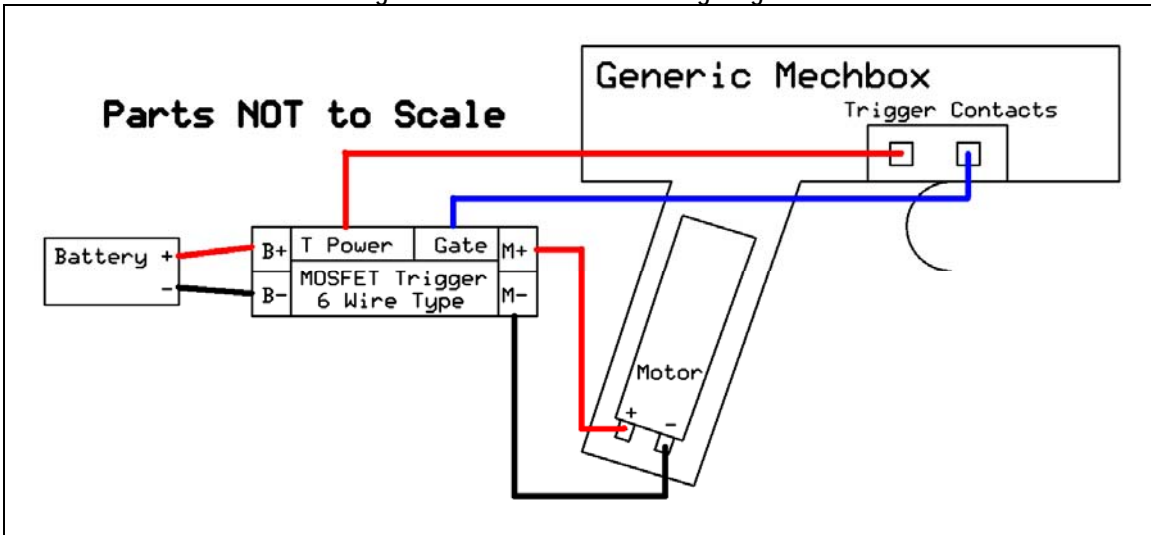


Figure 1-2: 6 Wire MOSFET Wiring Diagram

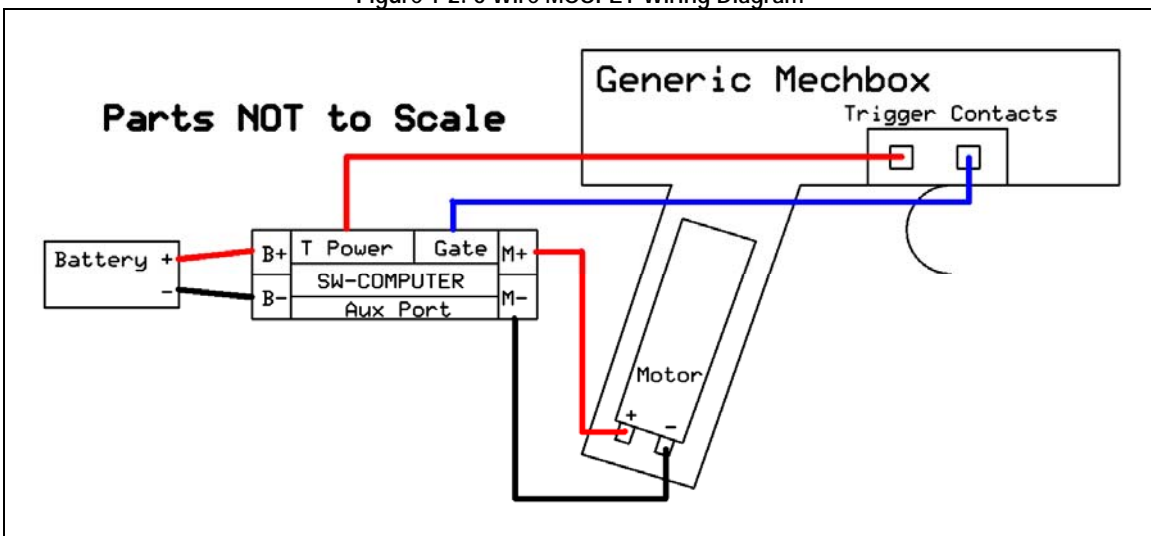


Figure 1-3: SW-COMPUTER Wiring Diagram (Special 6 Wire MOSFET)

I hope that this guide is easy to understand and answers all your questions. If not, I can always be found at:  
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Thanks for reading,

Kevin Stewart (WolfDragon)