

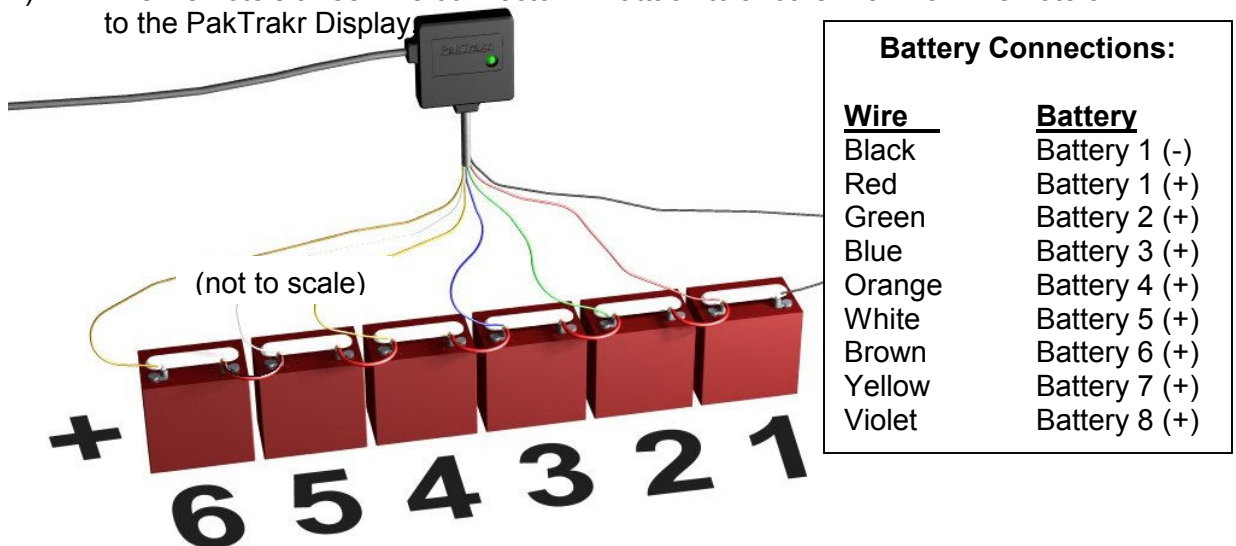
# PakTrakr Remote Installation Guide

**WARNING:** To avoid personal injury, ALWAYS use extreme caution, wear eye protection, and only use insulated tools when working around batteries.

Disconnect all loads and charging systems from the pack prior to making any PakTrakr connections. Make certain all power switches, and controls are in their "Off" (or "Tow") positions. If you are not comfortable working around high-current batteries, it is advisable to ask someone more experienced for assistance or have the PakTrakr installed by a professional.

**CAUTION:** Improper installation may damage or destroy the PakTrakr Remote, so please follow the instructions below carefully. Keep ring terminals from inadvertently contacting battery terminals or chassis during installation. Also note that the PakTrakr considers battery #1 to be the most NEGATIVE battery, whereas vehicle manufacturers often refer to the most POSITIVE battery as battery #1. Refer to the illustration below for proper installation.

- 1) Connect the PakTrakr Remote's black wire to the negative terminal on the MOST NEGATIVE battery in the sub-string the Remote is monitoring: remove the terminal nut, place the PakTrakr ring terminal on *top* of the heavy battery cable terminal and re-secure both with the terminal nut.
- 2) Connect the red wire to that *same* battery's positive terminal.
- 3) **STOP.** Verify that the PakTrakr Remote LED illuminates and then begins flashing once per second - this indicates proper operation. If the LED does not flash within a few seconds, the red and black wires are likely reversed. (Note: for NiCd Remotes the black, red, and green leads must be connected as per the table below before the LED will flash. For Lithium Remotes, the blue lead must be also be connected before the LED will blink)
- 4) Connect the remaining wires as described in the table below.
- 5) Cover and secure (or cut off) any unused PakTrakr ring terminals to avoid contact with other battery terminals.
- 6) Secure the Remote to a flat surface or to a battery cable.
- 7) The Remote's three-wire connector will attach to another PakTrakr Remote or to the PakTrakr Display





# **PakTrakr Remote**

## **Quick Reference**

**LED Flashing:** Operating correctly (no errors)  
**LED On:** Battery problems detected (see Alerts on PakTrakr Display)  
**LED Off:** Not operating, check:  
Black wire connected to battery 1 (-)  
Red wire connected to battery 1 (+)  
Battery volts > 5V (use voltmeter)  
Fuse intact (use ohmmeter)

**Fuse:** .250A fast-blow, located in shrink tubing at ring terminal on black wire.

### **Current Draw**

Battery 1: 4mA (without PakTrakr Display)  
9mA (with PakTrakr Display attached)  
Batteries 2-6: < 1mA

**Note:** *If the battery pack is to be left unattended and not recharged for an extended period (i.e. more than a week), disconnect the PakTrakr Remote's black wire from the battery 1 negative terminal to prevent battery discharge.*

**Dimensions:** 2.25" x 2.2" x 0.6" (not including cables)

**Weight:** 5.5 ozs

**Warranty:** One year from date of purchase. Warranty does not cover damage due to improper installation.

For more information or technical support, please visit our web site at [www.paktrakr.com](http://www.paktrakr.com).