



700 Pine Ridge Road Golden CO 80403 Tel (303) 278 8287 1(888) 4X4 SLEE Fax (303) 278 7182

### Slee Off Road Dual Battery LED Monitor – Installation Instructions



Qty	Parts Included	Tools
1	Slee Dual Battery LED Monitor	Basic Hand Tools
2	LED Mounting Sleeve	Drill and 1/4" Drill Bit

Thank you for your purchase from Slee Off-Road! If you should you have any questions or concerns, please do not hesitate to contact us immediately at 1 888 4X4 SLEE or at [sales@sleeoffroad.com](mailto:sales@sleeoffroad.com).

Slee Off Road strives to provide comprehensive installation instructions. However, in some circumstances minor inconsistencies may be encountered with instructions and or provided parts. If you encounter such an inconsistency, please notify us, as your input is important. Slee Off-Road guarantees all parts free from defects for one year from the original purchase date.



Wire Color	Function	Connection
Red	12V Main Battery	Ignition Source – Main Battery 12V+
Black	Ground	Chassis Ground
White	12V Auxiliary Battery	Connect Directly to the Auxiliary Battery 12V+
Gray LED Multi-Conductor Cable	The Main Battery LED = BLUE/BLUE-WHITE wires. The AUX Battery LED = GREEN/GREEN-WHITE wires	None

The Slee dual battery LED monitor was designed to provide visual monitoring of the voltages of two batteries. The system is connected to the main battery via an ignition source (12V+) and directly to the auxiliary battery (12V+). Each LED indicates the voltage of a battery. The LED's change color depending on the batteries voltages. Below, is a chart of the LED colors and the voltage ranges it displays. The system is activated by ignition and will stay active until the ignition source is turned off.

**Reference Chart For LED Color;**

LED Color	Function
Green Flashing	Overcharging – Voltage of battery is greater than 14.7V
Green	Charging – Battery is receiving normal charging voltage (13.1-14.6V)
Orange	Battery Ok – Battery is charged – 12.1-13V
Red	Battery Requires Charging – 11.5-12V
Red Flashing	Battery Discharged – 3-11.4V
None	Less Than 3V – No Battery Present (Only applies to auxiliary battery hookup) – This enable the 2 LED system to be used without an auxiliary battery present. This prevents a Red Flashing LED on the AUX LED. The system will flash the LED during the first second that power is first applied. After one second, if the voltage remains below three volts then it assumes no battery is present and stops flashing.

**Installation;**

<p>1. Determine the location of the LED's. (Typically in a Toyota blank knockout). Depending on location of the LED's remove panels as necessary.</p> <p>Drill two 1/4" holes in which to mount the LED's (using the supplied mounting sleeves) in the knockout chosen.</p> <p>Connect the red, black and white wires from the Slee Dual Battery LED monitor pigtail as described in page one.</p>	 <p>Install the Dual Battery Monitor <b>(Step 1)</b></p>
<p>2. Complete installation and properly secure wiring and potted box as necessary. Verify operation and familiarize yourself with the LED colors and their importance (as described above).</p>	 <p>Complete Installation <b>(Step 2)</b></p>

Thank you for your purchase from Slee Off-Road! Visit us at [www.sleeoffroad.com](http://www.sleeoffroad.com) or email us at [sales@sleeoffroad.com](mailto:sales@sleeoffroad.com).