




ITEM#: WRL-SPECN

powered by 

Congratulations on the your purchase of the Spectrum NiCd/NiMH Battery Monitor. The Spectrum NiCd/NiMH Battery Monitor provides visual feedback of any NiCd or NiMH battery strength. It uses a unique ultra bright super flux wide angle LED that gives an advanced 6 level battery strength indication through its color spectrum. It is designed with the leading edge micro-controller technology that gives precise accurate voltage level detection. This NiCd/NiMH battery monitor is ideal for all R/C models such as helicopters, planes, cars, trucks and boats.

**Features:**

- Acts as an insurance that protects any R/C model investment.
- Compact design works in any hostile environment.
- Monitors 4 or 5 Cell NiCd/NiMH Packs (3.3V to 7.5V).
- Simple mini toggle switch for selectable 4 or 5 NiCd/NiMH cell battery packs operation.
- Easy one touch switch to select between 3 different LED indicator schemes.
- Battery over-load condition indication.
- Ultra low power consumption with operational voltage as low as 3.3 volts.
- Ultra Bright Super Flux LED status indicator gives visual 6 level spectrum feedback of battery strength.

**Package Contents:**

- Spectrum NiCd/NiMH Battery Monitor Unit
- User Manual

**Installation:**

1. Connect the Spectrum's Red Power Lead to the Positive (+) and Black to the Negative (-) Li-Po batter leads after the power switch if applicable.
2. Securely mount the Spectrum with the LED protruding from your R/C model allowing it to be seen during operation.

**Initial Programming and Setup:**

1. Before apply power to the Spectrum, first toggle the DIP switch number 1 to select either a 4 cell or 5 cell NiCd/NiMH battery pack operation. Toggle the switch to the ON position for a 4 cell operation or toggle the switch to the OFF position for a 5 cell operation.

**Initial Programming and Setup Cont'd:**

2. Connect an appropriate battery pack (4 or 5 cell NiCd/NiMH) to the Spectrum (Red wire to the Positive+ and Black wire to the Negative- battery terminal. The Spectrum will greet with the LED displaying it's full spectrum of colors.
3. To display a different LED indicator scheme, simply toggle the DIP switch number 2 once to scroll to the next scheme. Repeat to scroll through all 3 different schemes. 3 schemes include solid on, rapid flashing and intermittent flashing.

Note: When the battery status changes to a low battery level status, the LED flashing scheme will change to distinguish a low level from good level.

**LED Status Function:**

- BLUE - Fully Charged
- CYAN - Very Good
- GREEN - Good
- YELLOW/AMBER - Low Battery Warning
- RED - Battery Low ( Battery drained down to approximately 70% )
- MAGENTA or WHITE - Possible overload condition.

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**Limited Warranty (North America Only)**

The Spectrum NiCd/NiMH Battery Monitor is guaranteed to be free from defects in material and workmanship for a period of 90 days from the date of purchase accompanied by the proof of purchase or invoice. Warranty does not cover damage due to improper use or incorrect installation.

During the 90 day warranty period, if the product shows defects caused by abuse, accident or misuse, it will be repaired or replaced upon Western Robotics Ltd. sole discretion, at a service charge not greater than 40% of the current retail list price.

Please ensure to include your contact information before any repair(s) or replacement(s) can be conducted. Under no circumstances or condition will the purchaser be entitled to consequential or incidental damages. In no case shall our liability exceed the product's original cost. We reserve the right to modify warranty provision without notice. Because Western Robotics Ltd. has no control over connection and use of this product, no liability may be assumed nor will be accepted for damage resulting from the use of this product, user accepts all resulting liability. If you attempt to disassemble, modify or repair this unit yourself, it may void the warranty. For warranty service on Western Robotics product(s) in, out or off warranty period, please send the defective unit(s) along with the proof of purchase and a description of the problem, postage paid, to the given address below.

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