

## ○ LI-ION SWITCHABLE REGULATOR SYSTEM

---

### Instructions

The **COILTEK** Switchable Regulator is designed as a lightweight alternative to the standard batteries supplied with Minelab SD's and GP's. It regulates the raw voltage supply down to the voltage selected by the user. With a highly efficient **CONSTANT** voltage and introduction of improved coils you should notice an improvement in target response using your **COILTEK** Regulator and coils.



**PLEASE READ ENTIRE BROCHURE BEFORE CONNECTING AND OPERATING THIS DEVICE.**

### Voltage

The **COILTEK** switchable regulator can switch voltage by the toggle switch as indicated on unit. It has a 7.3 volt selection and a 6.7 volt selection. Please use the correct voltage for your detector. The centre position is 'OFF' as indicated by the green LED on cradle.

**WE RECOMMEND YOU DISCONNECT THE BATTERY SUPPLY SHOULD YOU BE LEAVING THE DETECTOR UNATTENDED OR TURNED OFF FOR ANY LENGTH OF TIME.**

Should you wish to measure the output voltage it should only be done through a power lead.

**DO NOT TRY TO MEASURE THE VOLTAGE AT THE MALE PANEL MOUNT PLUG ON THE REGULATOR.**

If you happen to short circuit the regulator, permanent damage will occur and it will need to be serviced by **COILTEK** - this will void any warrantee. We recommend a **COILTEK** power lead to optimise your performance with this system.

### Plugging In

The Li-Ion 7.2v battery slips into the cradle and the unit should be placed in the pouch provided. Your power lead should then plug into the male panel plug on your regulator and then to your detectors male plug or booster if using one. Your headphones then can be plugged into the headphone Jack.

***It is recommended to turn on your detector first then select the correct voltage on the regulator to turn on the unit.***

You may like to attach the regulator to your detector by hooking it on the control box cover. We can supply a short **COILTEK**.

**POWER LEAD** to connect to the unit. Ask for more info at your **COILTEK** dealer. There is a **RED LED** at the headphone socket which will start to dim when the battery voltage is approximately

7.25 volts **UNDER LOAD** (Low Voltage Indicator). At this time you should remove and charge/change your battery. If the **RED LED** goes out completely or very dim in dark conditions you are below 7.2 volts and you should immediately remove the battery and put it on charge.

**\*\*WE RECOMMEND** you change/charge the battery after 7 hours of use as this will help prolong the cycle life of your battery. The time may vary depending on the conditions and amount of signals experienced.

### **Battery**

You should store and keep your battery fully charged (8.4volts approximately not under load) to help maintain its performance and life span. The battery is to be stored in a cool dry place and do not leave on the regulator cradle when not in use. Li-Ion batteries do not like to be discharged below 7.2volts regularly so this should be avoided for maximum cycle life. They do not have a memory and can be charged at any time. If you get no voltage or your detector doesn't turn on check the green LED on your regulator. When switched on a voltage, if Green LED is 'off' the batteries internal safety circuit may have tripped. You may need to reset the safety circuit by placing the battery on the charger for a few seconds. Turn your regulator on again with your detector left on. If this doesn't solve the tripping disconnect immediately and check your equipment. Contact **COILTEK** or you dealer if the problem persists or you have any queries.

### **Charging**

Only the charger supplied is to be used to charge the Li-Ion batteries with this kit. The charger has a LED which illuminates when turned on. It will normally glow RED when charging. When the battery is charged the LED will normally turn GREEN and needs removing from charger. (Sequences on different chargers may vary) It is recommended to check the battery voltage occasionally with a multi meter to ensure full voltage (8.4volts = FULL / 7.2 volts = FLAT). Do not leave a battery on the charger for more than 24hours.

The REGULATOR has internal fuses for protection in the event of a short circuit in the device it's self. Should a fuse blow you will not able to see the green light on the cradle with a charged battery connected. Do not drill or screw anything into the components for mounting as this could damage the unit and void warranty. The operator is to use common sense when using this system in rough terrain or weather.

The system comes with a limited **1 YEAR WARRANTY** from date of purchase. (not including batteries) Please contact COILTEK for warranty details or claims. If this happens you will need to return the unit to COILTEK for service. Always check your equipment for shorts or damage periodically before prospecting and any old or well used parts should be replaced before they fail, not after.

**THE REGULATOR IS NOT WEATHER PROOF AND ALSO SHOULD NOT BE EXPOSED TO WET/HUMID WEATHER CONDITIONS (LEFT OUTSIDE) AS CONDENSATION MAY BUILD UP IN THE UNIT CAUSING DAMAGE.**

WE HOPE YOU ENJOY!