RACEPAK PRO SERIES

<u>BATTERY CHARGING INFORMATION</u>

Your RacePak PRO SERIES Computer is equipped with an internal NiMH battery. The battery is charged with a battery charger, which operates on 110 VAC. The battery charger connector from the charger is plugged into the "CHARGER/SERIAL" port on the RacePak unit. When the charger is initially plugged into 110 VAC, the green LED light will be on.

The red LED indicator on the battery charger is an indication that the battery charger is plugged into 110 VAC, and the connection has been made to the internal RacePak battery. This indicates that the battery is being charged. When the battery is fully charged, the red LED will change back to green.

When uploading the data from the memory cartridge, you will be prompted with a low battery statement if the battery needs to be recharged. It will take about 2-3 hours to recharge the battery when the low battery message is indicated. If the time between runs does not allow a full recharge, 10 minutes of charging will usually be sufficient for proper operation of the RacePak.

<u>Note - Pro 1B and Pro II only:</u> Every time you upload a Run check the channel "INT BAT VOLT". If this value is below 9.15 volts, it is time to charge the battery. Fully charged the value will be 9.99 volts. It will take about 2 hours to recharge the battery when the low battery voltage is indicated. If the time between runs does not allow a full recharge, 10 minutes of charging will usually be sufficient for proper operation of the RacePak.

Battery voltage on NiMH is not an indicator of total battery charge. The output voltage is very flat from full charge to near full discharge.

<u>SOME FACTS ON NI-CAD BATTERIES</u>

- NiMH Batteries **<u>MUST NOT</u>** be overcharged!!!

- Avoid charging the battery when it doesn't need it. Allow it to deep cycle.

- If the battery has been completely discharged, it may take 2-3 hours to fully recharge.

- NiMH will self-discharge over a period of time. For example, if the unit has been sitting for 5 weeks, the state of battery charge is probably very low and will need to be charged.