

Important Battery Information for PC5L-II Users !!

Chargers

Only use the CMT ACC-SMC-G3-M (Smart Charger) or ACC-RE21 (AC Recharger/Adapter) for recharging your PC5L-II. Using any other recharger may cause extensive damage to the battery or unit.

System Battery

PC5L-II comes standard with 1 rechargeable system battery (MAR-BATPAK-G3) and an AC power adapter (ACC-RE21). The maximum DC voltage permitted at the AC adapter jack is +9 V DC. The minimum external voltage required to power the PC5L-II is 6V DC.

PC5L-II has two slots available for the MAR-BATPAK-G3 rechargeable battery. Normally the PC5L-II comes with one "dummy" battery cover, which protects/fills the empty battery slot. A second MAR-BATPAK-G3 can be installed in place of the "dummy" battery cover, doubling the operating time of the PC5L-II.

Each battery has a built-in charging jack and can be recharged independently using the CMT ACC-RE21 recharger/adapter.

Caution: When the unit powers down due to low power, do not press the ON button until you can plug in the ACC-RE21 charger.

If you only install one battery pack in the unit and bring a second battery along, then when the battery in the unit is low, you want to install the second battery before removing the first battery. Otherwise, the data in the unit may be lost.

Care of the System Battery Pack(s)

Use the ACC-RE21 or the optional ACC-SMC-G3-M "Smart Charger" to charge your batteries. The smart charger connected to **COM1** will charge the battery in the "Batt. Pack 1" port. The smart charger connected to **COM2** will charge the battery in the "Batt. Pack 2" port. The smart charger will fully discharge and recharge the battery in 10 hours. When the charging is complete, the smart charger will apply a trickle charge to your batteries.

If using the ACC-RE21 charger, please charge the battery about 16 hours (or overnight).

To view the power level of the battery pack(s) in **CMT Field application software**, hold down the [ON] key for a moment then release it. This calls up the CMT-Field **STATUS** screen which displays the battery power levels in the "Batt Pack 1(%)" and "Batt Pack 2(%)" fields.

If you run your own applications, you can call up the system power meter by using the keystroke sequence [SH1][ENTER][P] from the PC5L-II operating system. The system power meter will only display the power level of the battery in the bottom slot (Batt. Pack 1). If two batteries are being utilized, power is drawn from both batteries.

If you will not be using your PC5L-II for an extended period of time, save all data to a mass storage medium, and then fully charge the batteries before putting the system into storage. You should then charge the batteries once every month while the system is in storage.

CAUTION: Before replacing the PC5L-II system battery pack(s) or sending your Data Recorder to CMT for service, plug in the ACC-RE21 charger and transfer all important data files to your PC.

To prevent generating excessive heat, do not use the ACC-SMC-G3-M to charge a battery that has more than 50% remaining power. Also, do not keep the ACC-SMC-G3-M connected to your PC5L-II for over 24 hours at a time.

If using the ACC-RE21, do not leave the charger connected for longer than 20 hours. If overcharged, the batteries may be damaged and their life and performance may be reduced.

Do not connect the PC5L-II simultaneously to the ACC-SMC-G3-M and the ACC-RE21.

<u>Part #</u>	<u>Description</u>
MAR-BATPAK-G3	2100 mAh NiMH rechargeable battery
ACC-RE21	110 Volt Wall Battery Charger for MAR-BATPAK-G3
ACC-SMC-G3-M	Optional Smart Charger, with "discharge, charge, trickle" modes and charge status LED.