

# **ProMark2**

## **MODULE TWO**

### **RECEIVER START-UP**

# **AIM OF MODULE 2**

- **LIST AND IDENTIFY BATTERY TYPES AND ALARM WARNING STATUS SCREENS**
- **IDENTIFY INITIALIZATION REQUIREMENTS WHEN USING THE ProMark2 FOR THE FIRST TIME**
- **IDENTIFY RECEIVER FUNCTION CONTROL BUTTONS**
- **STATE RECEIVER MEMORY MANAGEMENT FACTORS PERTAINING TO CAPACITY, ALLOCATION, AND DATA DOWNLOADING**

# BATTERY APPLICATION & INSTALLATION

## BATTERY INSTALLATION

- **THE ProMark2 USES 2 "AA" BATTERIES PREFERABLY ALKALINE OR LITHIUM ION**
- **TO INSTALL BATTERIES, REMOVE THE BACK COVER OF THE RECEIVER AND INSTALL BATTERIES AS SHOWN BELOW**

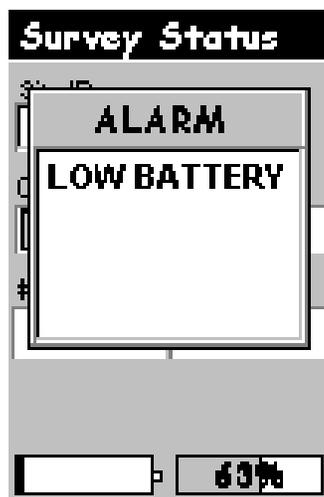


REQUIRES TWO 'AA' BATTERIES

# BATTERY ALARM STATUS

## BATTERY STATUS SCREENS

- **THE ProMark2 MONITORS THE STATUS OF THE BATTERY LIFE DURING FIELD SURVEY AND POST-PROCESSING OPERATIONS**
- **THE LEFT SCREEN SHOWS A LOW BATTERY WARNING CONDITION INDICATING THAT THERE IS APPROXIMATELY 1 HOUR OF LIFE REMAINING AT ROOM TEMPERATURE USING STANDARD ALKALINE BATTERIES**
- **THE RIGHT SCREEN SHOWS AN EXTREME LOW POWER! SHUTTING DOWN MESSAGE INDICATING THE RECEIVER WILL TURN OFF. HOWEVER, THE SURVEY DATA FILES COLLECTED DURING FIELD OPERATIONS WILL BE SAVED AND CLOSED. THE RECEIVER WILL SHUT DOWN AFTER 10 MINUTES**



# **ProMark2 FAQ's**

**Q: My batteries didn't last 8 hours, what's going on?**

**A: Alkaline battery capacity will vary depending on the quality of the battery and the temperature. Alkaline batteries typically lose capacity as the temperature gets colder. When working in cold weather, the use of the external battery pack is advised.**

**Q: Can I use rechargeable batteries?**

**A: Yes! But, capacity is usually much lower with rechargeable batteries. Alkaline or Lithium Ion batteries are recommended.**

**Q: The batteries ran out during a survey. Is my data OK?**

**A: The ProMark2 is designed to detect when batteries are about to run out of energy and automatically closes files. Simply replace the batteries and download the data normally. If the batteries are removed during the data collection, up to ten minutes of data at the end of the current file could be lost.**

# **ProMark2 FAQ's (Cont'd)**

**Q: How do I know if the ProMark2 is using internal batteries or the external battery pack?**

**A: The battery icon located in the data collection screen will change to an A/C plug icon when an external battery is being used. The ProMark2 is designed to use the external battery pack first and then the internal batteries. When the unit switches back to the internal batteries, the battery icon will be displayed.**

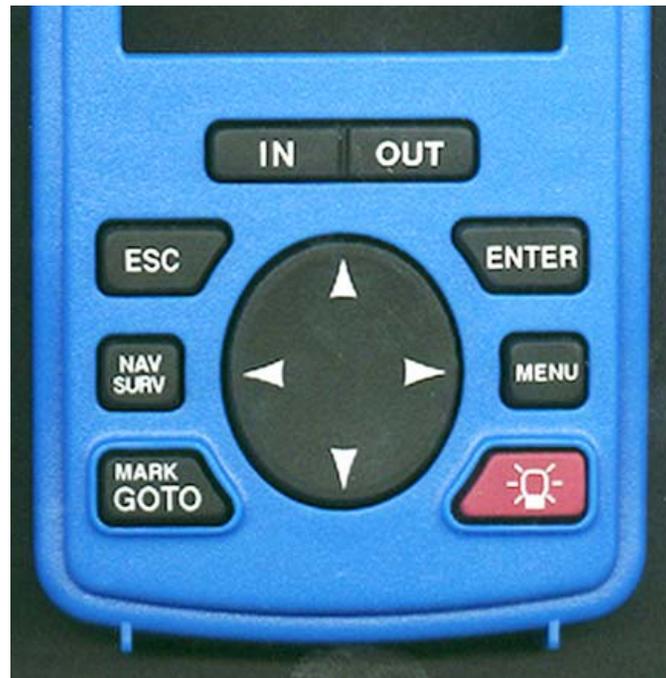
# ProMark2 INITIALIZATION

- **TURN ON THE ProMark2 UNTIL THE OPENING SCREEN APPEARS ( LOWER RIGHT)**
- **PRESS THE 'ENTER' BUTTON ON THE FRONT FACE OF THE ProMark2 UNTIL PROMPTED TO SUPPLY THE RECEIVER WITH THE FOLLOWING INPUTS:**
- **CURRENT LOCATION**
- **TIME**
- **DATE**
- **AFTER ENTERING THIS INFORMATION SELECT: DONE**
- **TURN OFF THE ProMark2**
- **THE ProMark2 IS NOW INITIALIZED**



# FUNCTION CONTROL BUTTONS

- **THE ProMark2 CONTAINS TWELVE PRIMARY CONTROL BUTTONS TO PROGRAM AND CONFIGURE THE RECEIVER FOR SURVEY OR NAVIGATION OPERATIONS**
- **FOR SURVEY OPERATIONS, NINE OF THESE BUTTONS WILL BE FUNCTIONALLY DEFINED WITH GRAPHICS WHERE APPLICABLE**



# POWER

- **THE RED BUTTON ON THE LOWER RIGHT CORNER OF THE ProMark2 IS A DUAL FUNCTION BUTTON THAT ENABLES POWER TO THE RECEIVER AND THE SCREEN BACKLIGHT FEATURE**
- **PRESS THIS BUTTON FOR ONE SECOND THEN RELEASE. THE SCREENS (LEFT TO RIGHT) WILL TRANSITION IN THIS ORDER**



# **POWER-( BACKLIGHT )-(Cont'd)**

- **TO ENABLE THE SCREEN BACKLIGHT FEATURE:**
- **DEPRESS AND HOLD THE POWER BUTTON FOR TWO SECONDS TO ENABLE 1<sup>ST</sup> LEVEL BACKLIGHTING**
- **TO ENABLE 2<sup>ND</sup> LEVEL BACKLIGHTING, DEPRESS AND HOLD THE POWER BUTTON FOR TWO ADDITIONAL SECONDS**
- **CAUTION! LIMIT THE DURATION OF THIS FUNCTION TO PRECLUDE ACCELERATED BATTERY POWER DRAIN**

# POWER-( BACKLIGHT )-(Cont'd)

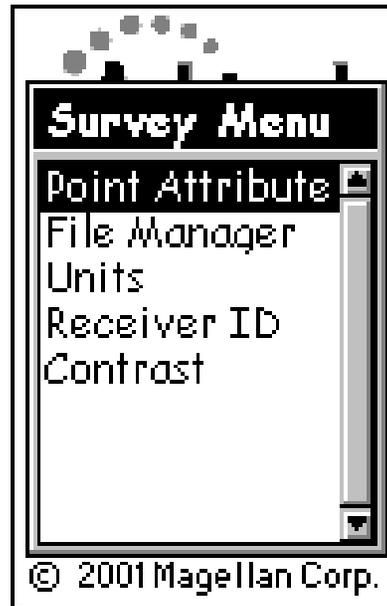
- ProMark2 SHUTDOWN
- **PRESS THE POWER BUTTON FOR ONE SECOND THEN RELEASE**
- **THE RECEIVER WILL COUNTDOWN THEN SHUT OFF**
- **NOTE: COLLECTED OBSERVATION DATA FILES ARE AUTOMATICALLY CLOSED AND SAVED DURING THE SHUT DOWN MODE**

**POWER DOWN  
IN  
3  
SECONDS**

**PRESS  
ESC KEY  
TO CANCEL**

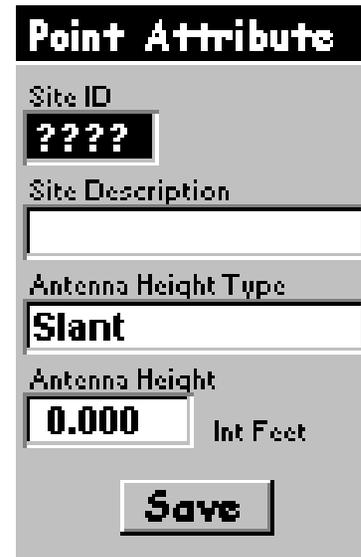
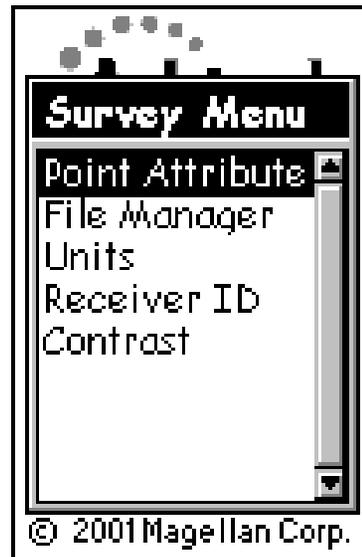
# MENU

- **THE PRIMARY FUNCTION OF THE MENU BUTTON IS TO HIGHLIGHT OPTIONS FOR SELECTION AND ENTRY FROM THE SURVEY MENU SCREEN**



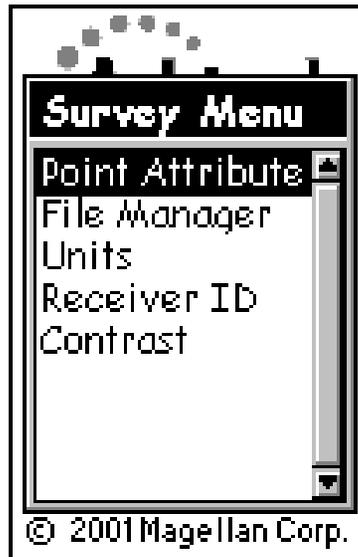
# ENTER

- **THE PRIMARY FUNCTIONS OF THE ENTER BUTTON IS TO ENTER A HIGHLIGHTED OPTION, PARAMETER, OR VALUE ON A PARTICULAR MENU OR MODE SCREEN.**



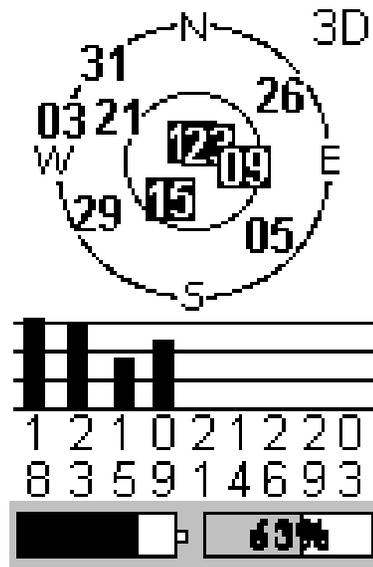
# MARK/GOTO

- **THE PRIMARY FUNCTION OF THE MARK/GOTO IN SURVEY MODE IS TO ACCESS THE SURVEY MENU**



# NAV/SURV

- THE PRIMARY FUNCTION OF THE NAVIGATION/SURVEY BUTTON IS TO TOGGLE BETWEEN THE SATELLITE STATUS AND THE SURVEY STATUS SCREENS



SATELLITE STATUS



SURVEY STATUS

# FOUR DIRECTIONAL ARROW KEY

- **THE PRIMARY FUNCTION OF THE OVAL-SHAPED FOUR DIRECTIONAL ARROW KEY BUTTON IS TO HIGHLIGHT A MODE FUNCTION FOR EXECUTION OR TO HIGHLIGHT A CHARACTER FOR ENTRY (ex: ENTERING A SITE ID NAME)**



# ESCAPE

- **THE PRIMARY FUNCTION OF THE ESCAPE BUTTON IS TO CLOSE THE CURRENT SCREEN AND TO REVERT BACK TO A PREVIOUS SCREEN**
- **CAUTION: IN SOME CASES, ANY EDITING OF PREVIOUSLY ENTERED PARAMETERS WILL NOT BE SAVED**

**GO TO MODULE THREE**