MAGELLAN
SATELLITE ACCESS TECHNOLOGY

Locus Quick Reference

Procedures at a glance

Power Up - Depress and hold POWER button until you hear a double beep and all LEDs are **green**.

Power Down - Depress and hold POWER button until LEDs go off, then flash **red**, and the receiver beeps twice.

Full Reset - *A full reset deletes all files and restores the default settings. Use with caution!* With power off, depress and hold POWER button until Locus beeps and all LEDs display a rolling pattern (~10 seconds). Turn off Locus. Allow Locus to track satellites for 25 minutes before using.

STATIC SURVEY

1. Set up Locus receiver over point.
2. Power up and verify following LED indications:
   - SATELLITE TRACKING blinks **green** at least 5 times before beginning survey
   - DATA LOGGING flashes **green** once per recording interval
   - POWER is steady **green**
3. Record Site ID and antenna height (**K** key on Handheld).
4. Wait until OCCUPATION TIME INDICATOR blinks according to the length of your baseline (see other side).
5. Power down and proceed to next point.

KINEMATIC SURVEY

1. Setup Locus receivers and initialization bar over known point.
2. Synchronize handheld with base Locus receiver.
3. Create static base site (**K** key on Handheld).
4. Synchronize Handheld with rover Locus receiver.
5. Create kinematic initialization site (**L** key on Handheld).
6. After initialization, transfer rover to rover pole.
7. Use rover to log kinematic sites (**L** key on Handheld).

ERASING RECEIVER FILES

To Erase All Files - With power off, depress and hold POWER button until the DATA LOGGING LED blinks **red** and you hear a series of short beeps (~8 seconds). Release the button when the DATA LOGGING LED turns solid **red**. Locus requires 2 minutes to erase all files.

To Erase Selected Files - Present Handheld IR port to Locus IR port. Press **N** key to open Receiver Files Info screen. Use arrow keys to select file. Press **C** key to delete selected file.

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Part Number: 730209-01 Rev A 10011G

Ashtech

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Locus Front Panel LED's

LED Color / Function		Occupation Time Indicator	Memory/Data Logging	Satellite Tracking	Power
Green	Solid	Sufficient data collected ≤ 20km	N/A	N/A	Normal Power (> 13 hrs. @ 70˚F)
Green	Flashing	Sufficient data collected 1 blnk <5km 2 blnks <10km 3 blnks <15km	Logging Data. LED blinks at data interval	Logging Sat # LED blinks indicate # of Satellites logged.	N/A
Red	Solid	N/A	Memory Full. NO data being logged.	N/A	Power Critical (≤ 3 hours of D-Cell alkaline power left) *(1 hour for C-Cells)*
Red	Flashing	N/A	Low Memory. Approximately 45 min of memory left at 10 sec recording interval.	Tracking, but not logging data. LED blinks indicate # of Satellites tracked but not logged.	Low Power (≤ 13 hours of D-Cell alkaline power left) *(6 hours for C-Cells)*
Off		Not enough data logged to fix ambiguites.		No Satellites tracked.	