



Firmware Release Notes

Survey/GIS

Date: July 4, 2008
Product: ProMark500
Subject: Pacific Crest PDL firmware upgrade

Introduction:

This document is the firmware release note for the new firmware for the Pacific Crest PDLRXO module of the ProMark 500. This upgrade must be performed by a dealer since the program used is not available to the general public.

Upgrade procedure

The firmware can be found at <ftp:magellangps.com> in the directory Land Survey\PM500\Firmware\PDL2P58.

Here is the procedure to upload the new PDL version PDL2P58 in a PM 500:

1. Put the PM500 On
2. Connect a PC to the PM500 Port A by RS232.
3. Open a terminal program such as Evaluate and ensure proper communication by sending the command \$PASHQ,RID. A response including the receiver's serial number should be observed.
4. Send the following commands:
5. \$PASHS,PRT,A,5
6. \$PASHS,RDP,CMD,D,PDL
7. \$PASHS,RDP,PCC,D,PDL,81,4,010101FD (Sets baud rate of PDLRXO to 9600)
8. \$PASHS,PRT,D,5 (Sets baud rate of PM500 port D to 9600)
9. \$PASHS,RDP,PCC,D,PDL,9D,4,011D01E1 (Sends warm reset to PDLRXO)
10. \$PASHS,DSY,D,A
11. \$PASHS,DSY,A,D
12. Using PDLConf configured in mode "Soft Break", upload the new version.(PDLConf is the firmware that is used for entering the frequencies by dealers and is only available to dealers).
13. \$PASHS,DSY,OFF
14. \$PASHS,PRT,D,7
15. Power Off the PM500.

Firmware list and versions

PDL2P58

Resolved Problems/Improvements

There is no release note from Pac crest for the moment, but the main issue was that it was not possible to enter frequency multiples of 12.5 KHz, and that when the Magellan transmitter was used the RTCM 2.3 and rt3 format was not able to work properly.

Known issues

None