

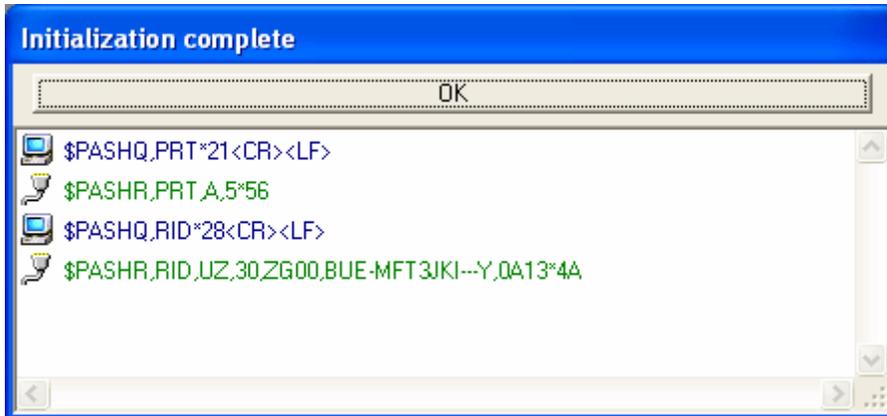
### RTCM corrections into a ProMark3

Send setup commands to the Base receiver using Evaluate software (available from <ftp://ftp.thalesnavigation.com> Look in the Software folder)

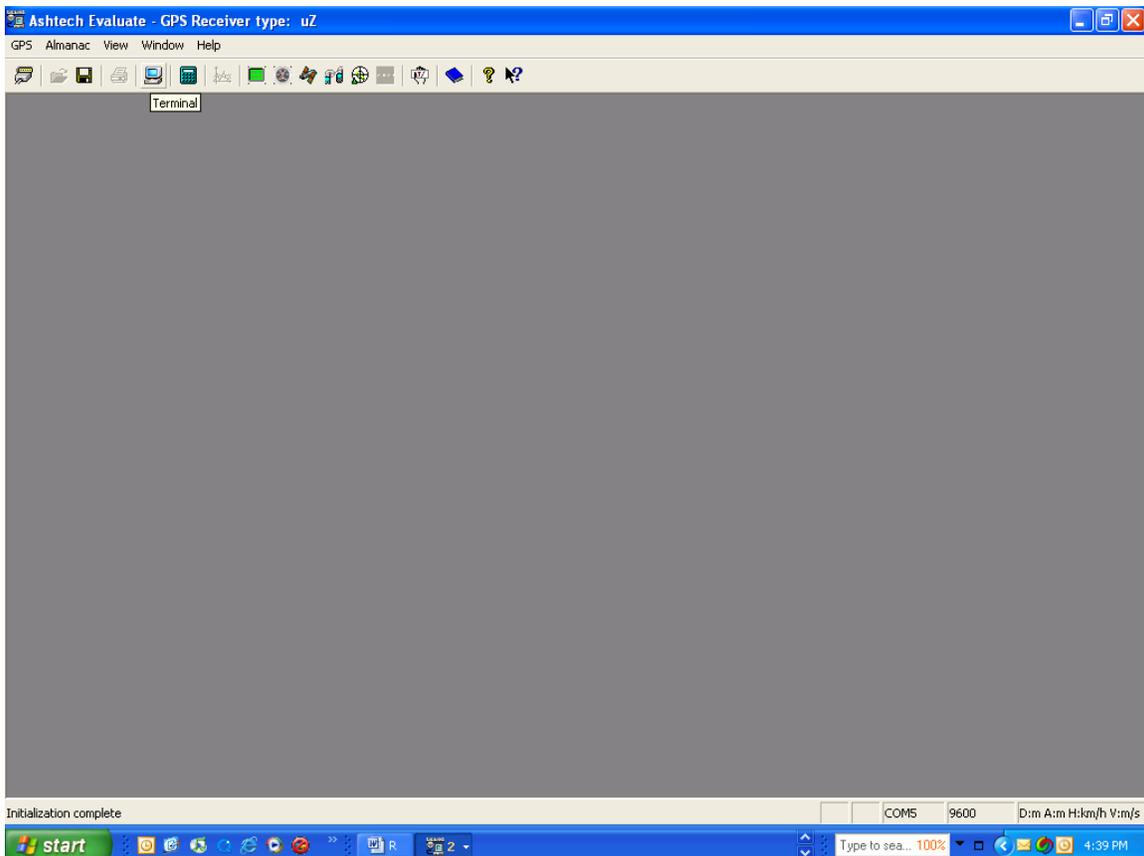
Connect the Base receiver to the PC using TN cable 700461, going from Port A of the receiver to the PC COM Port.

Launch Evaluate and connect to the receiver.

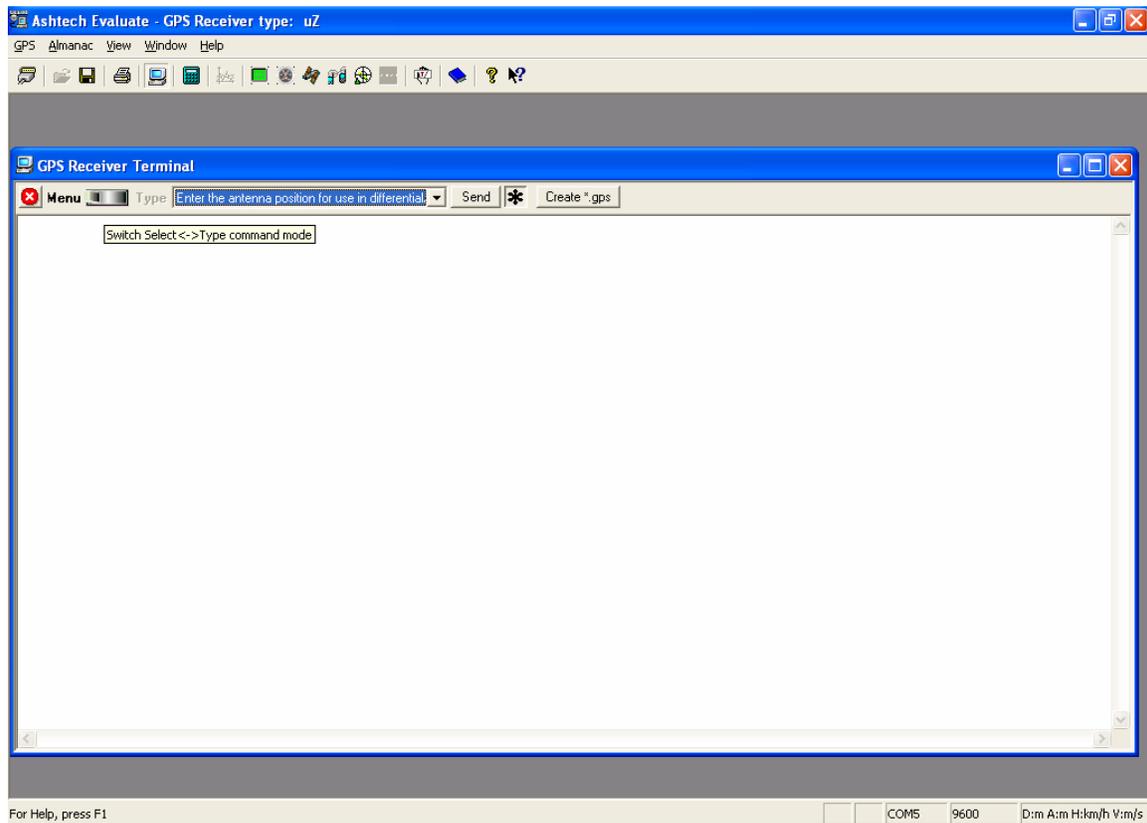
When connection is complete, click the OK button (a long, horizontal button at the top of the connection dialog box)



Click the icon that looks like a blue monitor screen.



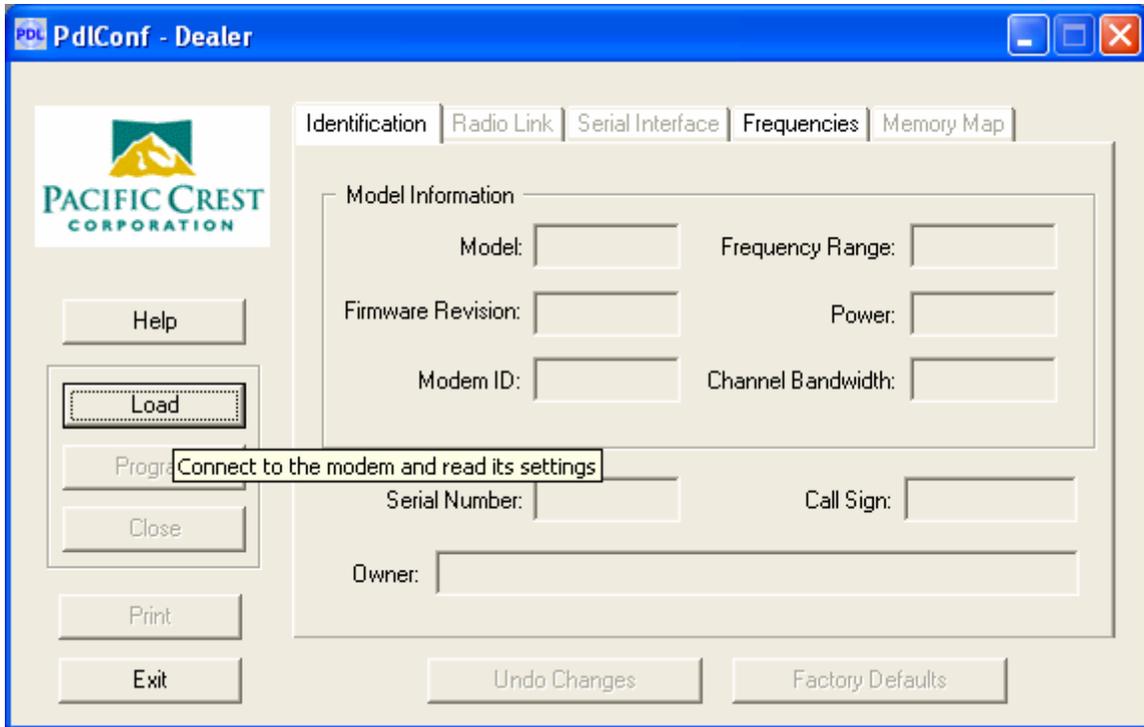
In the top left of the screen is a grey button between "MENU" and "TYPE". Click the button to toggle to "Type". This will enable you to enter PASH commands in the dialog box.



Send these commands to set up the Base receiver

```
tell receiver to be an RTCM base outputting corrections on Port B
$PASHS,RTC,BAS,B
set base position in ddm.mmmm format
$PASHS,POS,xxxx.xxxx,N,xxxxx.xxxx,W,xxx.xxxx
set base site name as 0001
$PASHS,RTC,STI,0001
turn RTC/CTS off
$PASHS,CTS,B,OFF
set Port B to 4800 baud
$PASHS,SPD,B,4
turn Type 6 messages off
$PASHS,RTC,TYP,6,OFF
turn on Type 1 messages to output at 1 second interval
$PASHS,RTC,TYP,1,1
save settings
$PASHS,SAV,Y
```





On Radio tab:  
 Set Radio Link to 9600  
 Modulation: GMSK  
 Digisquelch: Low  
 Set Channel to your frequency  
 On Serial tab:  
 Set baud rate to 4800  
 Mode: Transparent w/EOT Timeout  
 EOT Count:10  
 Click PROGRAM to send these settings to the radio  
 Disconnect cable from PC

Connect RFM96 Rover radio to the PC using Pac Crest cable A00469, and launch the PCPDLConfig Program  
 Follow same procedure as Base, except change the digisquelch to High

Take everything outside

Power on the Base receiver and verify that it is tracking 5+ satellites  
 Connect Port B of the Base receiver to the PDL Base radio using Pac Crest cable A00630  
 Connect the radio antenna to the PDL Base radio  
 Provide power to the radio and turn it on.  
 Select the appropriate channel.  
 Is the power light on (solid red) and the TX light blinking a nice steady pulse?

Connect the radio antenna to the RFM rover radio using Pac Crest cable A00911  
 Provide power to the radio  
 Is the PWR light on( solid red) and the RX light blinking a nice steady pulse?  
 Connect the RFM96 radio to the dB9 port of the PM3 IO device. This is cable PN A00469.

Power on the PM3

Open Utilities from the desktop.

Open the GPS Status utility and verify that the receiver is tracking 5+ satellites. Close this screen and return to the main Utilities screen.

Open the DGPSConfig utility

Select the button for Other RTCM Corrections

Click on Open Port

Select 4800 baud

Click OK

DO NOT go to the Status screen. This appears to only be valid for beacon correction status

Instead, click on the OK button at the top right of the screen.

You should see another screen that says that you have an RTCM correction.

Click OK and return to the main Utilities screen.

Open GPS Status again.

You should see "GPS Differential" in the bottom left of the screen.