

1. The Placer 450 is delivered (factory default) set for TAIP protocol at 9600 baud.

2. To change the factory default setting we recommend using HyperTerminal, available with Windows operating system.

3. To configure the Placer 450 for NMEA output at 4800 baud do the following:

a) Establish a straight serial cable connection between the Placer 450 MDT port and the laptop that will run HyperTerminal. Power up the Placer and the laptop.

b) Setup a communications session at 9600 baud using HyperTerminal. Open HyperTerminal, give session a name then click OK, Connect using: COM1 then click OK, change Port settings as follows: Bits per second = 9600, Data bits = 8, Parity = None, Stop bits = 1, Flow control = None, then click OK.

c) To confirm you are now communicating with the Placer 450 type in the following TAIP command: >QPR< If you are communicating you will get a response on the screen, then proceed to step d). If not, the screen will remain blank and you should close HyperTerminal, repeat step b)

d) Once you have confirmed you are communicating with the Placer 450 then change the baud rate from 9600 (factory default) to 4800 by typing in the following TAIP command: >SPT4800,8,1,N< To confirm you have changed the baud rate type: >QPR< This time you should not get a response (since you just changed the baud rate of the Placer to 4800 and HyperTerminal is still set for 9600 baud).

e) Now close HyperTerminal, then reestablish a communications session using HyperTerminal as in step b) but now Bits per second = 4800 baud (not 9600). To confirm you are communicating type in: >QPR< If you get an on-screen response go to the next step.

f) Now change the message format protocol from TAIP (factory default) to NMEA by typing in the following TAIP command: >SPR;NMEA=FT< If successful you will now see the NMEA data on the screen updating once a second.

The Placer is now configured to output NMEA data at 4800 baud

Note: If you have a problem with the cursor arrow wandering on the screen when connected to the Placer you can correct the problem by doing the following:

Go to My Computer, right click, select Properties & click, select Hardware & click, select Device Manager & click, select Mice & Other Pointing Devices & click, right click on Microsoft Serial Ball Point & select Properties, click Device Usage & select "Do not use this device in any hardware profile (disable).

Occasionally, the port will think it is connected to a mouse and when it is connected to the Placer that is continuously outputting the NMEA data stream it will cause the mouse to wander on the screen.