

# Memory-Map **TECH SUPPORT** **Bulletin #2**

## **TO SET UP AND CAPTURE A GPS\_DEBUG.TXT FILE ON A POCKET PC**

**Overview:** This bulletin explains how to set-up and capture a GPS debug file for the Pocket PC. This file can be used to check your GPS connection.

First check your GPS and Pocket Navigator are set to NMEA, 4800

Only one application can access your Pocket PC COM port at a time. To check that no other apps are running before you start Pocket Navigator on the Pocket PC select **Start > Settings > System > Memory > Running Programs** and tap the **Stop All** button.

Now start Pocket Navigator by tapping once on **Start > Pocket Navigator**. Wait for the application to start - do not double tap as this can sometimes cause a system conflict.

If you still do not see a valid GPS connection then use the GPS Debug facility to capture a test file as follows:

1. With your GPS turned on and connected to your Pocket PC, start Pocket Navigator.
2. Select **Menu > GPS > GPS Setup...** now tap the **Debug** check box. Tap **OK**.
3. Exit Pocket Navigator by selecting **Menu > Exit**.
4. A `gps_debug.txt` file will have been created on your Pocket PC in the `\My Device` folder. If you open the text file on your Pocket PC or through your PC you should see the NMEA data sentences, for example:

```
$GPRMC,160600,A,5130.303,N,00006.664,W,000.0,360.0,150201,003.2,W*71
$GPRMB,A,0.00,L,WP01,WP02,5130.365,N,00006.483,W,000.1,060.9,,V*09
$GPGGA,160600,5130.303,N,00006.664,W,1,10,2.0,34.4,M,47.1,M,,*66
$GPGSA,A,3,03,08,,17,19,21,22,23,26,27,31,,3.3,2.0,3.0*37
$GPGSV,3,1,11,03,81,291,51,08,10,331,37,11,00,237,00,17,25,054,42*73
$GPGSV,3,2,11,19,17,274,41,21,37,144,45,22,38,178,46,23,42,078,46*78
$GPGSV,3,3,11,26,06,032,35,27,17,304,40,31,36,286,45,,,,*46
$PGRME,15.0,M,22.5,M,15.0,M*1B
$GPGLL,5130.303,N,00006.664,W,160601,A*3D
```

5. You can email this file to Memory-Map for technical support. First connect your Pocket PC to your PC with ActiveSync. Open the ActiveSync dialogue box. Click **Explore**. Double click on the **My Pocket PC** icon. You will now see the `gps_debug.txt` file. Click and drag the `gps_debug.txt` file to your PC desktop. Now start a new email and click and drag the file from the desktop to your new message. Email to [support@memory-map.co.uk](mailto:support@memory-map.co.uk)