



## **microRecorder with PDA and mapping software**

[www.ewavionics.com](http://www.ewavionics.com)

### **Introduction**

The system consists of a *microRecorder SD*, a *HX4700 PDA* with *XCSoar navigation software including charger, SD card and PDA holder with wiring loom*.

Please note that the HX4700 is second hand and although working when supplied is not guaranteed. Many of these second hand units have poor batteries and where appropriate we will replace the batteries with new ones

### **Installation**

The microRecorder should be installed away from direct sunlight in a convenient position. Please see microRecorder instructions for more details. Assuming that the system is being run from the glider battery, there is no requirement for the pilot to be able to reach the unit. Velcro tape is ideal for the purpose. Keep all the wiring as far as possible from any radio or associated wiring.

The PDA mount can be attached onto the screen with the suction mount, or the suction cup can be removed and the arm solidly fixed to cockpit.

The cable loom comes with a lead to be connected to power supply. The Red wire should be connected to a +12v source. It is suggested that this is connected via a switch so that the power can be isolated from the system. The wiring is protected with a 2amp 'blade' fuse.

It is possible to run the system using the internal batteries of the units. However the battery life will probably not be sufficient for a long flight.

## **microRecorder settings**

The recommended setting in the 'EW-USER.txt' file to use the system should be-

GPS Update Rate (secs):	1
GPS Baud Rate:	9600
Auto-Off Time (mins):	6
Auto-Off Altitude Change (meters)	50
Auto-Off Velocity (kph):	50
Start File Speed (kph):	20
Start File Pressure Change (meters):	20

## **HX4700 PDA**

The PDA has been pre-loaded with XCSOar. The SD card also contains a backup file that can be used to restore the system if the PDA is allowed to run down its battery to the point that it loses its memory. To prevent this being necessary it is recommended that it is re-charged at least every 2 weeks.

A simulation program for your PC is included on your SD card along with the required data files for the UK and a full instruction manual for running both the simulator and XCSOar on your PDA.

To run XCSOar choose 'Start' and run in either 'Simulation' mode, or if connected to the microRecorder use 'Fly' mode.

The 4 main menu options can be accessed by using the 4 labelled buttons below the screen of the HX4700.

To exit the program, double click on the left of the screen just above the navigation boxes, choose the menu button, and click on the 'Exit' button.

## **More information**

There is more information on the web. Try <http://www.xcsoar.org/>

It is suggested that you check for upgrades and the latest airspace files etc