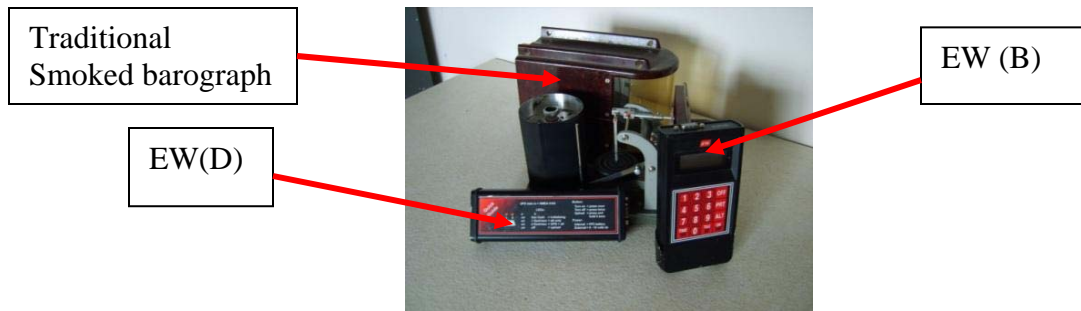


## THE USE OF THE EW (B) BAROGRAPH

It is recommended that all new solo pilots learn how to use the club's data loggers at an early stage and carry one with them on all flights.

NOTE: The following notes cover the use of the data logger to record altitude ONLY i.e. it assumes that the device is NOT connected to a GPS unit in the glider.

**IF THE FLIGHT IS NOTABLE AND COULD COUNT TOWARDS THE SILVER AWARD, IT IS IMPORTANT TO REMEMBER THAT THE LOGGER SHOULD BE HANDED TO AN "OFFICIAL OBSERVER" or INSTRUCTOR. THIS SHOULD BE DONE IMMEDIATELY AFTER THE FLIGHT FOR DOWNLOADING.**



### SETTING UP

The instructions for use of the data logger are printed on the back of the device. The data logger uses a PP3 9V battery. If you have any doubts regarding the capacity left it is recommended that you fit a new one before your flight if you expect to be soaring for any length of time.

1. Switch on the data logger by pressing the ON key. The display shows "Free" then a number e.g. "90" which indicates the amount of free memory left.
2. Press the ENTER key and the display reads "Cler" i.e. do you want to clear old traces to free up more memory? Press the YES or NO key as appropriate.
3. The display then reads "d" then year setting as say 2008. Use the keypad to ensure the correct date and press ENTER. If the year is correct press ENTER.

4. The display then reads for example “03:12” i.e. the month and day. Correct these with the keypad and press ENTER.
5. The display then reads “t” followed by the time setting in the form “13.20”. Use the keypad to correct and press ENTER.
6. The display then reads “U” followed by a number of up to 4 digits. This identifies the user. Use the keypad to change the number to one which you will remember as this will identify your trace when downloaded.
7. The display then reads “int” followed by “12” the default setting for the data rate i.e. 12 second intervals. Press ENTER.
8. The display now show the current pressure/altitude reading e.g. 0.270 which equates to 270 m.
9. To switch the data logger OFF press ON followed OFF followed by OFF. It is recommended that after each flight the pilot switched the data logger off to separate the individual flight traces.

## DOWNLOADING THE TRACES

The data logger traces can be downloaded to the PC in the clubhouse briefing room.

1. With the data logger switched OFF connect the RED serial download cable.
2. Start the “EW Windows Uploader” program from the desktop. The software will display that COM1 and COM2 are “Awaiting connection”.
3. On the data logger Press ON followed quickly by PRT. The logger display reads “Prnt” and the EW Uploader software list the traces available on the logger for download. Highlight the trace you wish to download and Click on the “Upload Trace” button. The software downloads the trace and prompts you to “Save/Save As” with a suggested folder location. Make a note of the filename and location. Confirm or amend the choice of folder and click on “OK”.
4. The trace is now downloaded to the PC. You can repeat the procedure for the other traces.
5. Switch OFF the data logger and disconnect.
6. Close the “EW Windows Uploader” software.

## DISPLAYING THE DATA

1. Start the “TaskNav 2007” software from the desktop.
2. Click on the “GPS Flights and Barograms” button.
3. The software will display “My GPS Log Files” i.e. a host of the trace data files in the default folder.
4. Highlight the trace you wish to display and click on the “Display the Barogram” button. (The brown one and number 8 counting from left hand side).
5. The software now displays the profile of altitude (in metres) against time.
6. If you wish to retain the data logger trace file, save it to a secure location.
7. When complete shutdown the software and ensure that the data logger is OFF and disconnected.
8. Return the data logger to the storage cupboard.