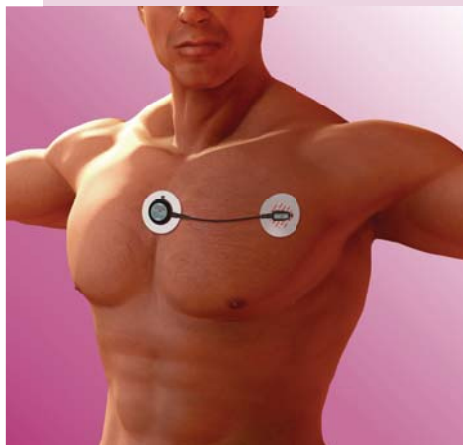
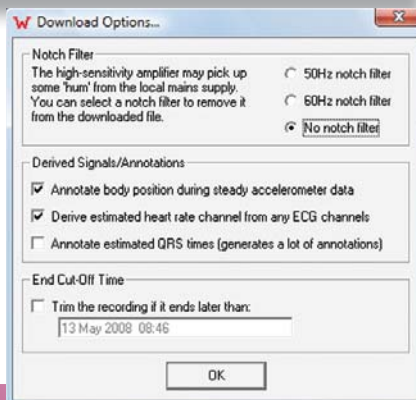
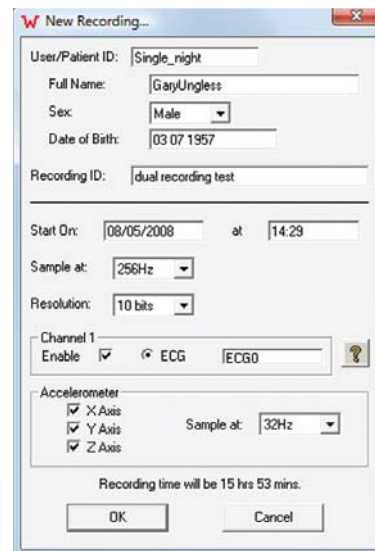
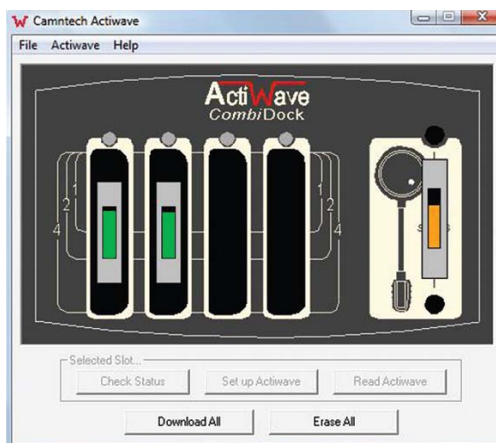


## Main Features

- Ability to record tri-axial acceleration and a single channel of ECG
- Easily rechargeable lithium polymer battery technology
- CamNtech Cardio analysis software ideal for analysing data recorded by the Actiwave Cardio
- Biopac AcqKnowledge software available. Ideal for all waveform analysis purposes
- All Actiwave files can be analysed using free EDF viewing software

The Actiwave Cardio is a waterproof single channel ECG waveform recorder. It consists of two electrodes connected by a short lead which simply clip onto two standard ECG pads worn on the chest. It also contains a tri-axial accelerometer, the signal from which can be used to determine the subject's resting body position.



## Technical Specification

### ECG

Range: 8mV p-p  
Impedance: 10MΩ  
Frequency: 0.3 - 50 Hz

### Acceleration

Range: ± 4g  
Frequency: 0 - 10 Hz

## Bibliography

- Elbaz, M. (2008)** Actiwave: new technology of sleep recording. *Medecine du Sommeil*
- Evans, T. (2008)** CamNtech report on Actiwave Sleep Trial carried out by the University of Surrey.

Unit type	Order Code	Memory	Recording time*	Weight	Size (mm)
Cardio	08-603	24 Mbytes	31 hours**	10.3g	32diam.x10

\*Example recording times are based on 128 Hz 8 bit recording.  
\*\*Assuming 3 axes acceleration measured at 32 Hz.

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## Actiwave Cardio ECG and Activity Analysis

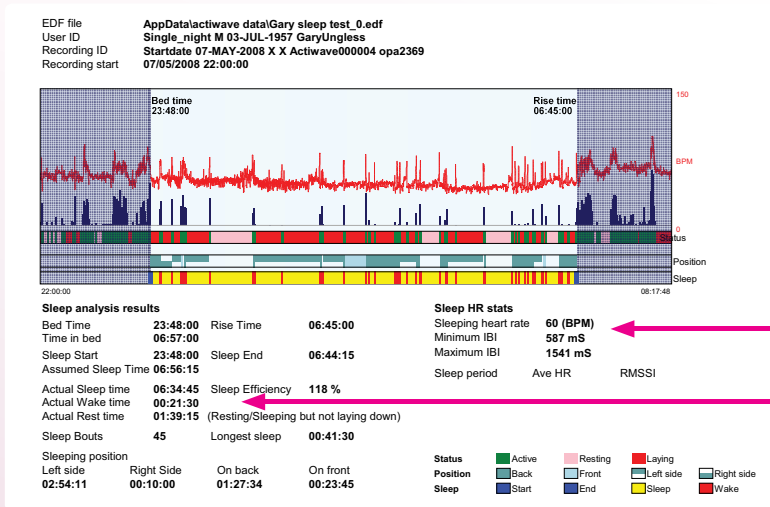


ECG

3 axes of acceleration

Body position

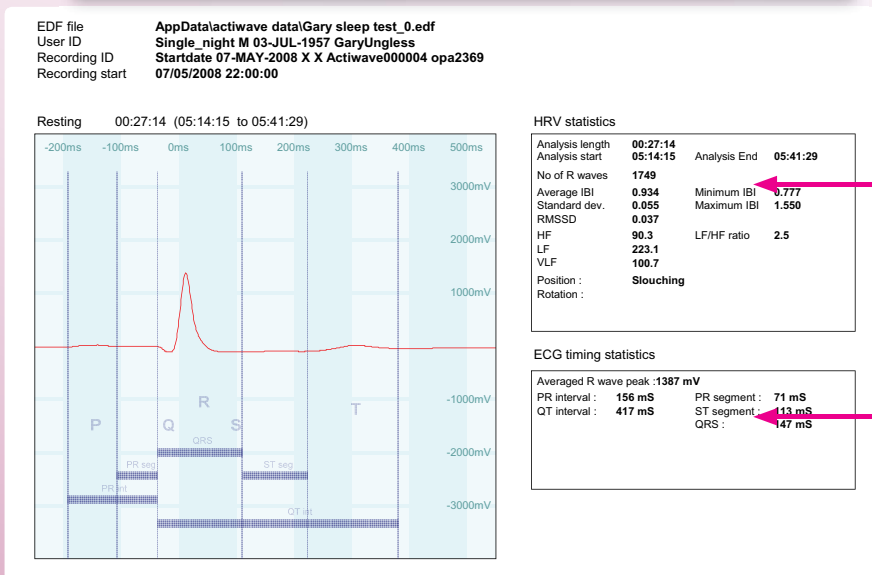
## Actiwave Cardio Sleep Analysis



Sleep Heart Rate Stats

Sleep Analysis Results

## Cardio R Wave Analysis



HRV statistics

ECG Timing Statistics

Cardio, Accessories and Software	Order code
Cardio	08-603
CardioDock: 3 channel Cardio reader/charger plus software and cable	08-733
CombiDock: 4 channel plus 1 channel Cardio reader/charger plus software and cable	08-727
CamNtech Cardio Analysis software	08-176