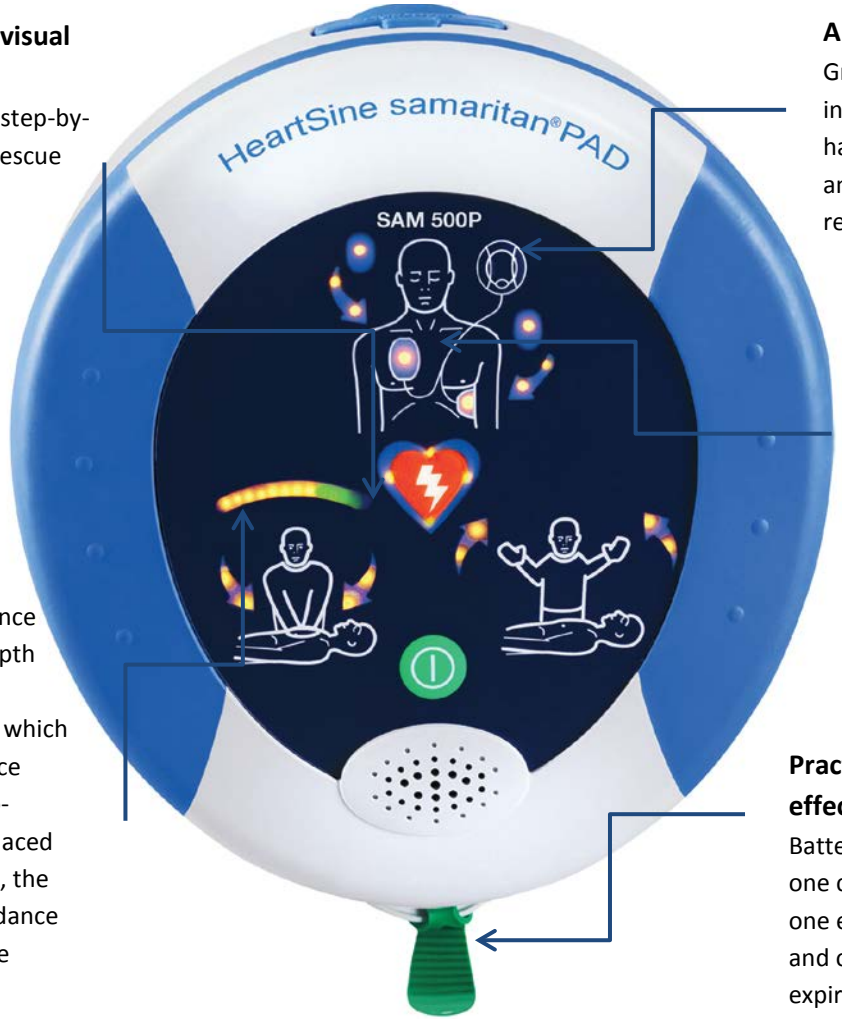
Anyone, Anywhere, Anytime
can save a life…

HeartSine®
Inventor. Innovator. Lifesaver.

The HeartSine samaritan® PAD with CPR advisor SAM 500P

- CPR Support "Push Harder", "Push Faster", "Push Slower", "Good Compressions"
- Easy to use
- Lightweight, compact and portable
- Audio & visual prompts
- IP56 rated – the highest rating against dust & water ingress available on the market
- Automatic Self Check
- Practical & cost-effective PAD-Pak™
- Suitable for Adults and Children over 8 years (>25kg)
  Paediatric-Pak™ available for 0-8years (<25kg)
  (CPR Advisor is deactivated on insertion of Paediatric-Pak™)
- CE Marked/IEC 60601-1

Clear audio and visual prompts
Supports the user step-by-step through the rescue process. Extra support in noisy environments.



Automatic Self-Test
Green Flashing LED indicates the self-test has been passed – no annual service requirement

Guidance on electrode placement
Flashing LED on the device and images on pads guide the user on electrode placement

CPR Advisor
Audio & visual guidance on the speed and depth of compressions.
Unlike other devices which just measure the force applied to an electro-mechanical device placed on the victim's chest, the SAM 500P bases guidance on ICG analysis of the heart's output.

Practical & cost-effective PAD-Pak™
Battery and electrodes in one cartridge means only one expiry date to monitor and one item to replace on expiry or after use

Defibrillation is easy…
CPR is the hard part!

"In order to maintain high-quality CPR, feedback to rescuers is important. The use of prompt/feedback devices during CPR will enable immediate feedback to rescuers, and the data stored in rescue equipment can be used to monitor the quality of CPR performance and provide feedback to professional rescuers during debriefing sessions ."

ERC Guidelines 2010 - European Resuscitation Council Guidelines for Resuscitation 2010 Section 2. Adult basic life support and use of automated external defibrillators

"Among the most common mistakes made [during CPR] are not giving compressions deep enough and performing compressions too fast or too slow."

CPR and AED Review Manual, American Academy of Orthopaedic Surgeons, Jones and Bartlett Publishers, 2005

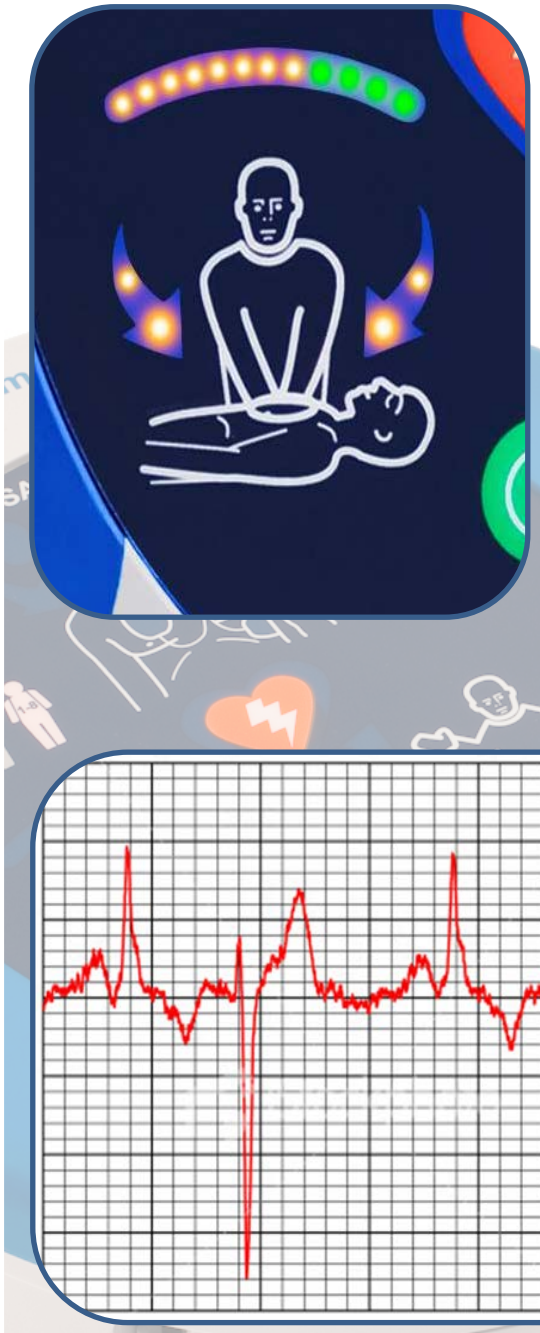
"Many aspects of bystander CPR have been criticised. Many studies of the retention of knowledge and skills have demonstrated a rapid deterioration over a period of only a few months"

Friesen L, Scotts N. Retention of basic cardiac life support content: the effect of two teaching methods. J Nurs Educ 1984;23(5):184-191

HeartSine Technologies – Lifesaving Pure and Simple

HeartSine Technologies design, develop and manufacture Automated External Defibrillators (AED). The company's heritage goes back to the development of the world's first out of hospital defibrillator at the Royal Victoria Hospital, Belfast in the 1960's.

HeartSine Technologies, Canberra House, 203 Airport Rd West, Belfast, BT3 9ED



CPR Advisor

Audio & visual guidance on the speed and depth of compressions.

Unlike other devices which just measure the force applied to an electro-mechanical device placed on the victim's chest, the SAM 500P bases guidance on ICG analysis of the heart's output.

How does it work?

ICG is an Impedance CardioGram. An ICG measures changes in how difficult it is to pass current from one electrode to another. The difficulty will vary according to many factors including the size and weight of the patient or the amount or volume of blood in the patient's chest.

A CPR compression takes over the job of the heart and manually pushes blood through the patient's chest. The aim of CPR is to keep enough oxygenated blood flowing to the brain and heart so that, if they are successfully resuscitated, the patient is not permanently brain damaged.

The SAM 500P analyses the patient's ICG and uses this information to give the user feedback on CPR compressions such as 'Push Harder', 'Push Faster', 'Push Slower' or a reassuring 'Good Compressions'.