LIFEPAK® AED response system
Connected. Ready.

LIFEPAK® CR2 defibrillator
with **LIFELINKcentral™ AED** program manager

Continuous CPR
increases survival rates[2]

Every SCA response requires CPR. Every single one. Previously, CPR had to be interrupted for heart rhythm analysis, and older, competitive technologies require rescuers to pause for 10 seconds or more. Unfortunately, interrupting CPR adversely affects survival rates and the 2015 European Resuscitation Council (ERC) Guidelines recommend minimising pauses to increase the chance of a successful outcome.[3]

While other AEDs may offer CPR feedback through the use of an accelerometer or additional tool, the CR2 provides the right amount of instruction and includes new cprINSIGHT™ analysis technology. Once CPR begins, cprINSIGHT technology automatically analyses and detects if a shock is needed. This significantly reduces pauses in chest compressions, even eliminating pauses if the rhythm is determined to be non-shockable. And more CPR means improved blood circulation and better odds of survival.[3,4]

The CR2 is the only AED that allows chest compressions during ECG rhythm analysis, thereby reducing pauses between CPR and defibrillation. In an AED comparison study, the CR2 helped lay responders deliver high overall CPR quality.[5] If a shockable rhythm is detected, the CR2 delivers shocks with powerful escalating energy, with no judgment call required on the part of the user. The CR2 will keep the rescuer focused on what really matters—saving a life.[5]

Fast time to first shock.[5]

Even minimally-trained users can quickly begin lifesaving care in just 2 steps:

1

Open lid and bare patient's chest.

2

Pull red handle and apply electrodes.

According to the ERC Guidelines, when bystanders provide CPR and use an AED to deliver a shock within 3-5 minutes of collapse or before emergency services arrive, survival rates can increase as high as 70%.[3]

Designed for
user confidence

For a minimally trained responder, intervening in an unfolding emergency can be intimidating. Responders need the easiest possible AED to instill confidence.

The LIFEPAK CR2 defibrillator uses simple graphics, audible instructions and automated features to help users remain focused. We've removed all the guesswork with proven results.[5]

AED users consistently rated the CR2 easy to use and easy to hear, and confirmed the AED provides a high level of user confidence.[5]

Saving a life can be easier than you think.

Layered design with easy to follow bold graphics
Both trained and untrained AED users clearly know how to begin.

QUIK-STEP™ electrodes
Peel directly off the base for faster side-by-side placement.

cprINSIGHT™ analysis technology
Analyses for shockable rhythm during chest compressions with no need to pause.

Metronome and CPR coaching
Sets an effective pace and audibly guides users by providing prompts that continually advise correct technique and depth.

Child Mode
Toggle to Child Mode for reduced energy and CPR guidance appropriate for children.

ClearVoice™ technology
Enables prompts to be heard more clearly in noisy environments.

Highest available energy
Up to 360J for more effective shocks as needed.

Bilingual
Toggle between two pre-set languages when using the device.

LIFEPAK TOUGH™
IP55 rating for challenging environments.

8-year warranty
Backed by an 8-year warranty.

Let's save more lives
with the LIFEPAK AED response system

We are working on a future where better technology enables better outcomes—and more lives saved. When SCA strikes, you want the best for your employees, customers, students and the public. Designed by the trusted industry leader in emergency response technology, the LIFEPAK CR2 defibrillator with LIFELINKcentral AED program manager gives users the solution they need to effectively respond to an SCA emergency—all while maintaining its own readiness through self-monitoring, making AED program management nearly effortless.

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HeartSine® samaritan® PAD
specification summary

	HeartSine SAM 350P	HeartSine Connected SAM 350P	HeartSine SAM 360P	HeartSine Connected SAM 360P	HeartSine SAM 500P with CPR Advisor™	HeartSine Connected SAM 500P with CPR Advisor™
ICG-based real-time feedback on CPR rate and force ("Push harder," "Push faster," "Push slower," "Good compressions")					X	X
CPR coaching with metronome	X	X	X	X	X	X
Integrated Wi-Fi connectivity for simplified readiness and remote AED program management		X		X		X
Communicates with LIFELINKcentral AED program manager to enable AEDs to be managed across a single or multiple locations		X		X		X
Fully automatic shock delivery			X	X		
Semi-automatic shock delivery	X	X			X	X
High level of protection from dust and water ingress (IP56)	X	X	X	X	X	X
Integrated battery and electrode for one-change maintenance	X	X	X	X	X	X
4-year electrode and battery life	X	X	X	X	X	X
Low energy escalating protocol (SCOPE)	X	X	X	X	X	X
Operating impedance range of 20 – 230 ohms	X	X	X	X	X	X
Audible and visual metronome for CPR rate guidance	X	X	X	X	X	X
Compact, portable, and lightweight	X 1.1 kg (2.4 lb)	X 1.285 kg (2.83 lb)	X 1.1 kg (2.4 lb)	X 1.285 kg (2.83 lb)	X 1.1 kg (2.4 lb)	X 1.285 kg (2.83 lb)
Pediatric compatible	X	X	X	X	X*	X*
90-minute ECG recording time	X	X	X	X	X	X
Automatic self test	X	X	X	X	X	X
Field upgradeable software	X	X	X	X	X	X
Carry case included	X	X	X	X	X	X

* When used with Pediatric-Pak, CPR Advisor is disabled.

Product specification summary

LIFEPAK® CR2 defibrillator **HeartSine®** Connected AED

Automated external defibrillator (AED) features

	LIFEPAK CR2 AED Wi-Fi® and Wi-Fi/Cellular	HeartSine Connected AED
Connectivity	Wi-Fi and Wi-Fi/Cellular	Wi-Fi
Fully automatic	Optional	Available with SAM 360P
Dual language	Yes, bilingual button	No
Child mode	Yes, Child Mode button	Yes, Pediatric-Pak™
CPR	• Early metronome • cprINSIGHT® • cprCOACH™ technology (feedback when no CPR detected) • Advanced prompting	• CPR coaching • CPR Advisor™ (CPR feedback on force and rate) on SAM 500P
Breathing prompts	Yes, configurable by customer	No
IP rating	55	56
Escalating energy	Four energy levels, user-configurable: • Adults: 150J to 360J • Children: 35J to 90J	• Adults: 150J, 150J, 200J (escalating) • Children: 50J, 50J, 50J
ClearVoice™ processing technology	Yes	No
Adaptive prompt volume	Yes	No
Waveform	ADAPTIV™ Biphasic	SCOPE™ Biphasic
Electrode life	4 years	4 years (Pad-Pak™)
Battery life	4 years	
Dimensions	Depth: 9.7 cm (3.8 in) Width: 22.6 cm (8.9 in) Height: 27.4 cm (10.8 in)	Depth: 4.8 cm (1.9 in) Width: 18.4 cm (7.25 in) Height: 23.4 cm (9.21 in)
Weight	2.0 kg (4.5 lb)	1.285 kg (2.83 lb)
Self-tests	Daily, weekly, monthly	Daily (HeartSine Gateway®), Weekly (AED)
Check-in	Monthly	Weekly
Setup requirements	Download configuration tool + USB cable	Download configuration tool
MAC address	Available from Account Support Representative	Label provided on HeartSine Gateway
Readiness indicator	LED, audible alert	LED, audible alert
Out of temperature range notification	No	Yes
Time to shock	Time to shock:[1] • At 360J after CPR with cprINSIGHT enabled (semi-automatic): < 7 seconds • At 360J after CPR without cprINSIGHT (semi-automatic): < 17 seconds • After CPR with cprINSIGHT enabled (fully automatic): 13 seconds	Time to shock delivery following CPR (typical):[2] • SAM 350P: 8 seconds • SAM 360P: 19 seconds • SAM 500P: 12 seconds
ETSO-certified (for use on aircraft)	No	Yes, with ETSO-certified Pad-Pak (Pad-Pak-07)

AED features (cont.)

	LIFEPAK CR2 AED	HeartSine Connected AED
Included in box	• AED • Battery • QUIK-STEP electrodes • Carry case or handle • USB cable • Operating Instructions and Getting Started Guide • Wireless Setup Guide • LIFELINKcentral™ AED program manager Basic license	• AED • HeartSine Gateway • Pad-Pak • Carry case • HeartSine Gateway batteries • Removal tool • Operating Instructions • Wireless Setup Guide • LIFELINKcentral AED program manager Basic license
Warranty	8 years	8 years (AED) 2 years (HeartSine Gateway)

LIFELINKcentral AED program manager features

	LIFEPAK CR2 AED	HeartSine Connected AED
Placed in LIFELINKcentral	Automatic upon shipment from factory	Manually by customer/distributor
Remotely monitors readiness information	Yes	Yes
Remote software updates and upgrades	Yes	No
Remote configuration	Yes	No
Tracking of battery and electrode expiration	Yes	Yes, manually entered into LIFELINKcentral AED program manager
Dashboard view of connected AEDs	Yes	Yes
View location on a map	Yes	Yes
Email notification if readiness changes	Yes	Yes
Email notification via Wi-Fi of device in use and/or pads placed, including location and time	Yes	No
Email notification of battery and electrodes or Pad-Pak expiring	Yes	Yes, if manually entered in LIFELINKcentral AED program manager
Email notification if device is moved from location	Yes (Cellular devices)	No
Wi-Fi distribution of emergent data to LIFENET® AED Event Viewer	Yes	No
Wireless distribution of AED post event reports to medical professional caregivers	Yes	No
Retrieval of event data	Yes, wirelessly via LIFENET AED Event Viewer or via USB cable	Yes, via USB cable

Note: Some features of LIFELINKcentral shown here are optional and not included with the Basic license provided with the devices.

Wi-Fi network requirements

	LIFEPAK CR2 AED	HeartSine Connected AED
Operating system	Windows	Windows 7 or above
Browser compatibility	Internet Explorer or Chrome	Internet Explorer or Chrome
Wireless network compatibility	2.4 GHz wireless network	2.4 GHz wireless network
Supported security protocols	• Open • WPA-Personal • WPA2-Personal • WPA-Enterprise • WPA2-Enterprise	• Open • WPA-Personal • WPA2-Personal
Limit on Wi-Fi password	33 characters	33 characters