

Defibrillators save lives.  
**Every second counts.**

**FASTAID<sup>+</sup>**  
First Aid...for life

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# THE ISSUE:

## Sudden Cardiac Arrest (SCA)



**7 million people globally** suffer SCA every year



Using a defibrillator **increases survival chance from 6% to 74%**



Every minute that passes without defibrillation **reduces survival rate by 10%**

### What is Sudden Cardiac Arrest?

Sudden Cardiac Arrest (SCA) is when the heart rhythm becomes chaotic. It usually results from a disturbance in your heart that disrupts its pumping action, stopping the blood flow to your brain and the rest of your body.

It's a medical emergency that if not treated immediately, will result in death within a few minutes.

### Who can suffer from SCA?

Anyone, anywhere at anytime can be affected by SCA. However, there are risks that can increase the likelihood of them occurring.

### This includes:

- Having a family history of coronary artery disease or another form of heart disease / heart problems.
- Smoking
- High blood pressure and cholesterol
- Obesity and diabetes
- Having a predominantly sedentary lifestyle
- Drinking too much alcohol
- Age - SCA likelihood increases with age
- Being male - men are two to three times more likely to suffer from SCA than women
- Having had a heart attack before
- Using illegal drugs
- Nutritional imbalance such as low potassium or magnesium levels

### How serious are they?

- Worldwide, seven million people are impacted annually
- More than 25000 per year in Australia suffer from SCA out of hospital every year. (Heart Foundation)
- Every minute that passes without defibrillation reduced survival rate by 10%
- The average response time for emergency services is around eight to ten minutes
- Only 12% of people currently survive SCA
- Only 12% of SCA cases have a defibrillator available.

\*Source: Aus - Roc



# THE CHAIN OF SURVIVAL



The chain of survival is an internationally recognised process. If each link in the chain is completed to a high standard, the patient has the greatest chance of survival. FastAid support AEDs which contribute to more than one link in the chain of survival.

## Why is CPR so important?

CPR stands for cardiopulmonary resuscitation. It is a lifesaving procedure that is given to someone who is unresponsive and not breathing normally.

It helps to pump blood around the person's body when their heart can't. In addition, it helps prevent brain damage and limits cardiac and vital organ damage, whilst significantly increasing the chance of survival. It also buys time when professional help is on its way.





# CPR is the hard part.

## The RD500 Defib is the answer.

Patented CPR Advisor technology to assist with effective CPR.  
The RD500 is the only AED to provide CPR feedback based on clinical evaluation of the patient.

**“PUSH  
FASTER”**

**“GOOD  
COMPRESSIONS”**

**“PUSH  
SLOWER”**

**“PUSH  
HARDER”**



# CPR:

## An essential link in the chain of survival

70% of all bystander CPR is ineffectively performed and this includes both lay and trained rescuers. This is because the rescuer has no way to make clinical determinations as to whether their compressions are actually effective.

To make matters worse, there is a huge differential of force required from victim to victim depending on their build. We can't impart all of this during training because it introduced complexity, and simplicity is the key.



### Clinical feedback provided by a defibrillator during CPR is the solution



The RD500 takes clinical readings during CPR (as opposed to other AEDs that at best give feedback using superficial factors during CPR), and provides the rescuer with feedback based on cardiac output and other clinical factors. This is extremely important to give the rescuer confidence & reassurance.

# CHOOSING THE RIGHT DEFIBRILLATOR

## Quick Guide

Our recommendation!



|                                                                        | RD500 | RD350 | RD360 |
|------------------------------------------------------------------------|-------|-------|-------|
| Visual prompts                                                         | ✓     | ✓     | ✓     |
| Voice prompts                                                          | ✓     | ✓     | ✓     |
| Self checks & System Status Ready Indicator                            | ✓     | ✓     | ✓     |
| Compact (28-56% smaller footprint than other defibs)                   | ✓     | ✓     | ✓     |
| Shock proof carry case                                                 | ✓     | ✓     | ✓     |
| IP56 dust and water resistant for more protection than any other defib | ✓     | ✓     | ✓     |
| Lowest cost of ownership over 8 years warranty (PAD + battery)         | ✓     | ✓     | ✓     |
| 8 year warranty                                                        | ✓     | ✓     | ✓     |
| Single pad pack expiry date                                            | ✓     | ✓     | ✓     |
| 4 year PAD pack life span                                              | ✓     | ✓     | ✓     |
| Lightweight at 1.1kg                                                   | ✓     | ✓     | ✓     |
| Real time patented CPR feedback technology                             | ✓     |       |       |
| Semi Automatic (for faster administering of shock)                     | ✓     | ✓     |       |
| Fully Automatic (for people who prefer not to 'press the button')      |       |       | ✓     |



# CHOOSING THE RIGHT DEFIBRILLATOR



Our recommendation!

## THE RD500 DEFIB

Your best chance of an effective outcome



**CPR Advisory Technology**



**Provide rescuer confidence & reassurance**



**Always ready to go**

- A semi-automatic defibrillator that is operated by using two simple buttons.
- It features clear and simple voice prompts for users, and visual prompts to assist the rescuer in noisy or multi-lingual environments.
- The RD500 features unique patient specific CPR feedback which instructs the user to push harder, faster, slower to reassure you that you're doing it right.
- 8 year warranty with lowest cost of ownership over 8 years (PAD & battery).

Need help choosing the right defibrillator for your facility?

Call us today to discuss - 1800 13 12 11



## THE RD350 DEFIB



## THE RD360 DEFIB



**Simple to  
operate**



**Cost  
effective**



**Always ready  
to go**

- A defibrillator that provides audio prompts to users and metronome for CPR timing.
- Features visual representations of how to use the device.
- Available in semi-automatic (RD350) or fully automatic (RD360) versions.
- 8 year warranty with lowest cost of ownership over 8 years (PAD & battery).

# DEFIBRILLATOR ACCESSORIES



**STANDARD AED CABINET**  
**RDC100**

AED Wall Cabinet with ARC approved signage



**AED PREMIUM PREP KIT**  
**RDP900**

AED Premium Prep Kit in clear softpack. Incl. Universal Shears, Surgical razor, Hard-Shell CPR mask, 2 x pair Nitrile gloves, Towelette, Biohazard bag.



**ALARMED AED CABINET**  
**RDC150**

AED Wall Cabinet with Alarm, Strobe Light and ANZCOR approved signage.



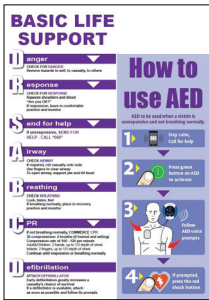
**AED BASIC PREP KIT**  
**RDP901**

AED Basic Prep Kit with Universal Shears, Surgical razor, CPR faceshield, pair Nitrile gloves, Towelette.



**OUTDOOR AED CABINET**  
**RDC250**

AED Cabinet to suit most AEDs. Made from rust-free polycarbonate, IP rated, alarmed. Wide range of add-on features also available on request.



**AED CPR WALL CHART**  
**RD5300**

ANZCOR approved DRSABCD flow chart & generic AED instructions



**AED CASE**  
**RDC200**

Waterproof, shock-resistant tough AED case. Complete with AED signage. Bright yellow for high visibility. IP67



**GENERIC WALL BRACKET**  
**RDC250**

AED Wall Bracket to suit most AEDs



# Make sure your defibrillator is ready to respond and is easily accessible.



## AED WALL SIGN

**RD5200**

AED Wall Sign Angle Bracket ARC approved 225 x 225mm (each face). Especially good for use in corridors.



## HEARTSINE ADULT PAD-PAK

**RDP200**

A simple, single-use cartridge incorporating battery and electrodes. For use on adults from 8 years of age (or 25kg) upwards. 4 year life.



## AED WALL SIGN

**RD5050**

AED Wall Sign 225mm x 300mm Poly.



## HEARTSINE PEDIATRIC PAD-PAK

**RDP100**

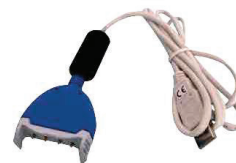
The same unique system as the Adult Pad Pack but for use on children from 1-8 years of age (under 25kg). Insertion of the Pad Pak will override CPR feedback due to a child's physique. 4 year life.



## AED WALL STICKER

**RD5100**

AED Wall Sign Sticker - ARC approved 297mm x 210mm.



## HEARTSINE DATA CABLE

**RDD100**

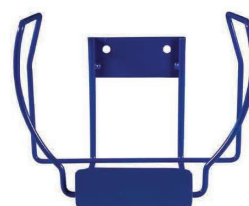
USB Data Cable to download event data using free Saver Evo software and for AED Trainer configuration.



## AED STICKER

**RD5101**

AED 'On Site' or 'In Vehicle' small window sticker 100 x 120mm External grade vinyl



## HEARTSINE WALL BRACKET

**RDC300**

AED Steel Wall Bracket to suit Samaritan PAD

# INSTALLING YOUR DEFIBRILLATOR

## Where should I install my Defibrillator?

In short, defibrillators should be available in just about every location imaginable, as you never know when someone is about to be struck by an SCA. Remember, it can happen to anyone, anywhere, at anytime. Similar to fire extinguishers and first aid kits, defibrillators should not be locked away in a cupboard, and should be easily accessible to everyone.

If you don't have a defibrillator, install one of the many AED location apps available to end users. A great example is the GoodSAM app which is active in Victoria. Being familiar with the locations of nearby AEDs will help you easily find an available AED in the event of an emergency.



**We recommend that defibrillators are as accessible as possible. This should be a maximum 90-second walk from any person on site.**

## How many Defibrillators do I need?

It is essential to consider the risks to your workforce and anyone else that visits your premises, to determine whether you should have a defibrillator (or multiple) on site. Factors to consider include;

- **An ageing population** - Age increases the likely hood of SCA occurring
- **Urban locations** - Increased difficulty for emergency responders to reach due to traffic, stairs, escalators etc
- **High rise buildings** - People living above floor 16 have a less than 1% chance of survival from SCA unless a defibrillator is present.
- **Remote locations** - Longer response times by emergency services.

## How should I store my Defibrillator?

Your defibrillator should be visible and easily accessible to everyone that may enter your premises, and in a location that is not obstructed. There are a wide variety of storage options available, including;

- Wall brackets
- Internal wall cabinets
- Alarmed cabinets
- External wall cabinets
- Monitored cabinets
- Backpacks

# 5 STEP GUIDE TO BEING PREPARED

**1**

## CHOOSE YOUR DEFIB

Choose your defibrillator from pages 7-9.

**2**

## CHOOSE YOUR CABINET

Choose your cabinet from our accessory guide on page 10.

**3**

## CHOOSE YOUR SIGNAGE

Choose your signage from our accessory guide on page 10.

**4**

## CHOOSE YOUR PREP KIT

Choose your prep kit from our accessory guide on page 10.

**5**

## BEGIN YOUR TRAINING

We've simplified this step for you!

Visit [www.fastaid.link/aedtraining](http://www.fastaid.link/aedtraining) for helpful video tutorials.

# CARE AND MAINTENANCE



## Defibrillator maintenance requirements

Whilst technologically advanced, defibrillators still need to be monitored to ensure they are fully functional and can work effectively when needed. Our defibrillators come with built-in technology that will give users warning signs of any issues, and we recommend that organisations check their devices weekly.

## Expiration dates

The batteries and pads in your defibrillator are the key functions that deliver the shock to the patient. Pads are single-use, and both the pads and batteries have expiration dates, so it is essential that you keep an eye on when they'll need replacing.

## FACT:

**Our defibs are the lowest cost defib to maintain over 8 years, with only ONE expiry date for both the PAD Pack and battery.**

**Now that's smart!**



**Need help deciding on a defibrillator or have questions?**

**We're here to help! Call 1800 13 12 11**





# HANDS ON HEARTS

## Giving back to the community

FastAid runs a program which enables individuals who have survived a SCA event as a result of an AED sold by us to save another's life by donating a HeartSine AED to the charity or organisation of their choice. To celebrate the life-saving event, the donation will be made in the survivors name, and in the distributor's name. Media attention is suggested to help spread the positive message throughout the community.

Sometimes a resuscitation attempt is unsuccessful due to pre-existing medical conditions, or any number of other factors. If a HeartSine AED is used in a SCA rescue and the patient does not survive, FastAid will provide a replacement battery & pad pack free of charge to return the unit to a working condition.

To find out more, please call 1800 13 12 11.

Conditions: All we ask is that the event data (anonymous) is downloaded from the AED and provided to us along with some basic patient information. We use this information to continually improve our products and further help us understand how to save lives.

# TECHNICAL SPECS

## RD500 Defibrillator

### Defibrillator

**Waveform:** Self-Compensating Output Pulse Envelope (SCOPE) optimised bi-phasic escalating waveform compensates energy, slope and duration for patient impedance

### Patient analysis system

**Method:** Evaluates patient's ECG, electrode contact integrity and patient impedance to determine if defibrillation is required

**Sensitivity/Specificity:** Meets IEC/EN 60601-2-4

**Impedance range:** 20-230 ohms

### Energy selection

#### **Pad-Pak**

Shock 1: 150J  
Shock 2: 150J  
Shock 3: 200J

#### **Pediatric-Pak:**

Shock 1: 50J  
Shock 2: 50J  
Shock 3: 50J

#### **Charge time (typical):**

150J in < 8 seconds,  
200J in < 12 seconds

### Environmental

**Operating/Standby temperature:** 0°C to 50°C (32°F to 122°F)

**Transportation temperature:** -10°C to 50°C (14°F to 122°F) for up to two days. If the device has been stored below 0°C (32°F), it should be returned to an ambient temperature of between 0°C to 50°C (32°F to 122°F) for at least 24 hours before use.

**Relative humidity:** 5% to 95% non-condensing

**Enclosure:** IEC/EN 60529 IP56

**Altitude:** 0 to 4 575 metres (0 to 15 000 feet)

**Shock:** MIL STD 810F Method 516.5, Procedure 1 (40 G's)

**Vibration:** MIL STD 810F Method 514.5, Procedure 1  
Category 4 Truck Transportation – US Highways

Category 7  
Aircraft – Jet 737 & General Aviation

**EMC:** IEC/EN 60601-1-2

**Radiated emissions:** IEC/EN 55011

**Electrostatic discharge:**  
IEC/EN 61000-4-2 (8 kV)

**RF immunity:**  
IEC/EN 61000-4-3 80MHz-2.5 GHz, (10 V/m)

**Magnetic field immunity:**  
IEC/EN 61000-4-8 (3 A/m)

**Aircraft:** RTCA/DO-160G, Section 21 (Category M)

RTCA/DO-227 (ETSO-C142a)

**Falling height:** 1 metre (3.3 feet)

### Physical characteristics

#### **With Pad-Pak inserted:**

**Size:** 20 cm x 18.4 cm x 4.8 cm  
(8.0 in x 7.25 in x 1.9 in)

**Weight:** 1.1 kg (2.4 lb)

### Accessories

#### **Pad-Pak Electrode and Battery Cartridge**

**Shelf life/Standby life:** See the expiration date on the Pad-Pak/Pediatric-Pak (4 years from manufacture date)

**Weight:** 0.2 kg (0.44 lb)

**Size:** 10 cm x 13.3 cm x 2.4 cm  
(3.93 in x 5.24 in x 0.94 in)

**Battery type:** Disposable single-use combined battery and defibrillation electrode cartridge (lithium manganese dioxide (LiMnO<sub>2</sub>) 18V)

**Battery capacity (new):**  
> 60 shocks at 200J or  
6 hours of continuous monitoring

**Electrodes:** Disposable defibrillation pads are supplied as standard with each device

**Electrode placement:** Anterior - lateral (Adult)

Anterior - posterior or Anterior - lateral (Pediatric)

**Electrode active area:** 100 cm<sup>2</sup>  
(15 in<sup>2</sup>)

**Electrode cable length:** 1 metre  
(3.3 feet)

**Aircraft safety test (ETSO-certified Pad-Pak):** RTCA/DO-227 (ETSO-C142a)

### Data storage

**Memory type:** Internal memory

**Memory storage:** 90 minutes of ECG (full disclosure) and event/incident recording

**Review:** Custom USB data cable (optional) directly connected to PC with Saver EVO™ Windows®-based data review software

### Materials used

**Defibrillator housing:** ABS, Santoprene

**Electrodes:** Hydrogel, Silver, Aluminium and Polyester

### Warranty

**AED:** 8-year limited warranty

# TECHNICAL SPECS

## RD350/RD360 Defibrillator

### Defibrillator

**Waveform:** Self-Compensating Output Pulse Envelope (SCOPE) optimised bi-phasic escalating waveform compensates energy, slope and duration for patient impedance

### Patient analysis system

**Method:** Evaluates patient's ECG, electrode contact integrity and patient impedance to determine if defibrillation is required

**Sensitivity/Specificity:** Meets IEC/EN 60601-2-4

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Shock 1: 150J  
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Shock 1: 50J  
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Using a defibrillator **increases**  
**survival chance from 6% to 74%**



Every minute that passes without  
defibrillation **reduces survival rate**  
**by 10%**

Every second counts.

You never know where, you never  
know when SCA will strike.

**Be prepared.**





# REACH OUT TO US!

For bulk deals or special requirements for your specific facility needs, please reach out to us!



**Call 1800 13 12 11**

or email **[sales@fastaid.com.au](mailto:sales@fastaid.com.au)**





**P.** 1800 13 12 11   **E.** [sales@fastaid.com.au](mailto:sales@fastaid.com.au)   **W.** [www.fastaid.com.au](http://www.fastaid.com.au)

