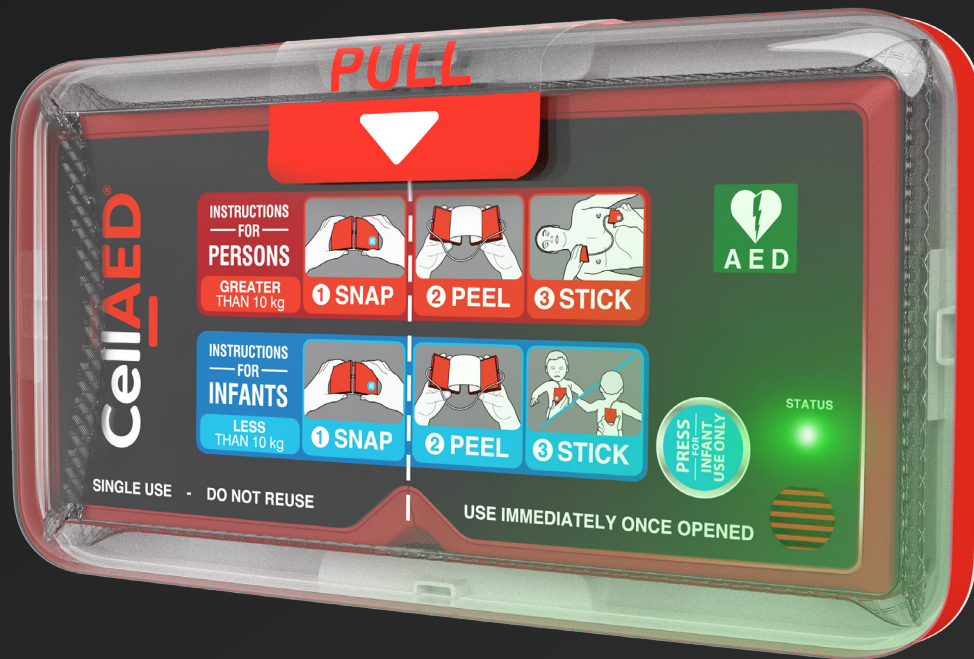


# CellAED®

*it's personal.™*



## Your handheld, smart, personal defibrillator

For every home, business  
and community.

CellAED® is designed to save lives from sudden cardiac arrest. An arrest can happen to anyone, anywhere, at any time.

When sudden cardiac arrest happens, your heart stops pumping blood. Within seconds, people experiencing cardiac arrest fall unconscious. At that point, you have only minutes for someone to save your life.

To save you, someone nearby needs to call emergency services, start CPR, and apply an automated external defibrillator (AED). An AED can coach people to provide CPR and provide a small electrical shock to the heart to start it beating normally again. With CellAED®, you can ensure there is always an AED nearby to help save your life, or the life of someone you love, when sudden cardiac arrest happens.

Visit [cellaed.io](https://cellaed.io)

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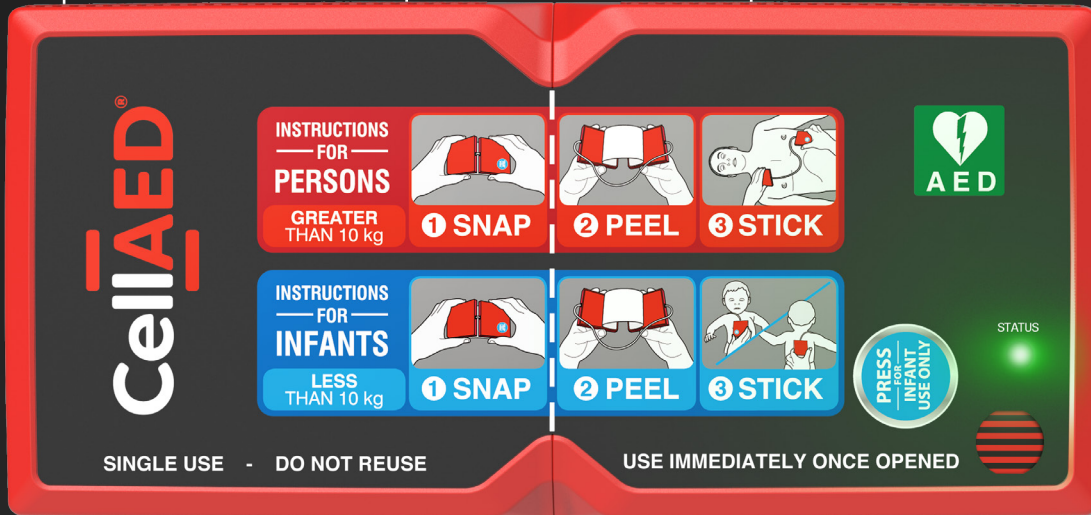


Be prepared and confident to act quickly to save a life. CellAED® can be applied in seconds.

Graphics show how to apply CellAED® on both adults and infants.

A perforated label marks the place for easy snap activation.

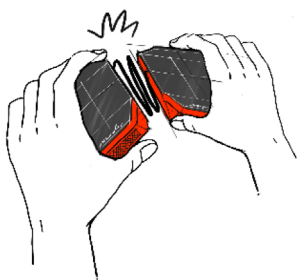
Audio speaker gives instruction on what to do, every step of the way.



Infant mode button for use on infants weighing less than 10 kg.

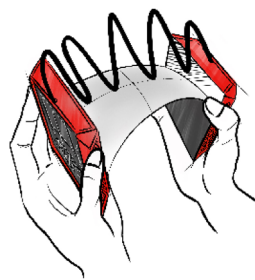
Length: 19.6 cm  
Width: 9.3 cm  
Depth: 1.7 cm  
Weight: Approx. 300g and 450g including protective case

LED indicator with periodic flashing showing the status of your CellAED®.



## SNAP

Power CellAED® by snapping in half along perforated centre line. This will automatically start the audio instructions guiding you on what to do, every step of the way.



## PEEL

Remove the protective liner under your CellAED® by continuing to separate the two halves. This will expose the integrated gel pads and extend the connecting cable.



## STICK

For adults, place each half of the CellAED® on the bare chest (as shown). For infants, place one half on the infant's chest and the other half on the infant's back.

# CellAED® Technical Specifications



## User Interface

Fully integrated CellAED® includes visual instructions for activation and pad placement, voice prompts and audible tones.

**Power on** Snap CellAED® in half along perforated centre line

**CellAED® status** LED colour indicator:

<b>Periodic flashing green*</b>	Ready for use if your CellAED® is within expiry date. If expired, your device will not function as intended.
<b>Periodic flashing amber*</b>	Indicates that the battery is low and your CellAED® should be replaced immediately. Until replacement arrives, your CellAED® should still be used in an emergency.
<b>Steady red</b>	Stand clear, shock about to be delivered.
<b>No LED</b>	Battery has expired. Replace CellAED® immediately.

\*Flashing approximately every 30 seconds

**Audio prompts** Step-by-step audio voice instructions with 16 unique guided messages (75 dBA)

**CPR coaching** 2-minute metronome (beep) guidance

**Infant mode** Button activation for infants weighing less than 10 kg

## Dimensions

Stored in a tamper-evident protective outer case until required to open for emergency use. CellAED® is then sealed inside a transparent bag to preserve the functionality of the electrode pads.†

Dimensions	CellAED®	CellAED® in protective case
Length	19.5 cm	21.2 cm
Width	9.3 cm	11.2 cm
Depth	1.7 cm	2.8 cm
Weight	Approx. 300g	Approx. 450g

## Defibrillator Performance

Patented automated external defibrillator (AED). Detecting shockable rhythms such as VF (ventricular fibrillation) and VT (ventricular tachycardia) and non-shockable rhythms.

**Waveform** Equal leading-edge biphasic exponential waveform

**Phase 1 Peak Current** Up to 45 Amps

**Phase 2 Peak Current** Up to 45 Amps

**Patient impedance range** 25 to 175 Ohms

**Time to shock** < 50 seconds from power on activation

**Maximum operating time** Up to 20 defibrillation cycles (approximately 45 minutes)

### ECG Analysis

System exceeding the requirements set by medical regulations including IEC 60601-2-4 and International Liaison Committee on Resuscitation (ILCOR)

## Battery

**Fully integrated pre-charged battery.**

**Type** Non-rechargeable Lithium

**Battery indicator** Flashing LED system (See CellAED® status)

## Electrode Pads

**Fully integrated electrode gel pads on the underside of CellAED®.**

**Material** Hydrogel†

**Dimensions** 8.86 x 9.34 cm

**Contact area** Total combined area 165.50 cm<sup>2</sup>

**Connection** 1 m electrical cable

## Environmental Specifications

All performance specifications assume your CellAED® has been stored within storage requirements.

**Operating temperature** 0 to 35°C

**Storage temperature** 15 to 35°C always store your CellAED® within this required temperature range

**Transport temperature** 0 to 35°C

**Altitude** -100 m to 4,000 m

**Atmospheric pressure** 60 kPa to 102 kPa

**Relative humidity** 0 to 95% relative humidity (non-condensing)

**Product Expiry** 2 years

**Ingress protection** IP 22

## Data Communication

Each CellAED® has a uniquely identified serial number. Through Internet of Things (IoT) capabilities, it can monitor the data from your CellAED® that is captured, stored, and transmitted.

**Type** Internal sim operating on cellular 2G or 3G network

**Monthly monitoring** Automatic monitoring CellAED® location, ambient temperature and battery voltage

**Event data capture** Heart rhythm analysis, number of defibrillation cycles and whether defibrillation was delivered

**Event data storage** Saved internally on CellAED® and uploaded to secure cloud location via cellular network upon deactivation. To deactivate, stick the pads together with the gel-sides touching until it says "device deactivated".

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2-6 Skinner Avenue  
Riverwood, NSW 2210  
Australia

†Product will not function as intended if past expiry date or transparent bag is open or removed.

UK 0086 CE 0297

Designed in Australia

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