

AED+PLUS[®]

The First and Only Full-Rescue AED

real **CPR** help[®]



AED Plus Major Features

- **Real CPR Help[®]** is real-time feedback for rate and depth of chest compressions during CPR. The AED Plus[®] is the **ONLY AED that can SEE what you're doing during CPR**. Verbal and audio prompts for PUSH HARDER and GOOD COMPRESSIONS and visible bar gauge on the display screen for each compression in real time. Real CPR Help is MORE than "CPR coaching." Other CPR coaches are BLIND, and cannot SEE your CPR.
- **It supports the AHA's Complete Chain of Survival**, starting with "CHECK RESPONSIVENESS" through performing CPR. Until electrodes are attached, the AED Plus prompts for all those things that should be done prior to the first heart analysis, including calling for help and performing the ABCs of the rescue.
- Once installed, the AED Plus has the **LOWEST Total Cost of Ownership**. There is nothing to replace or buy for five years because the **CPR-D•padz[®]** and batteries last **FIVE** years. In ten years you will replace pads and batteries only once for a total cost of \$244, an average annual cost of \$24.40. And the logistics are simple. Avoid the headache of tracking and replacing pads and batteries every other year.

AED Plus Minor Features

- **Powered by 10 Lithium batteries with redundant battery circuitry**. The Lithium 123A batteries can be purchased at any retail camera store, and are the very same ones found in AEDs from Philips, Welch Allyn, and Defibtech. These batteries are arranged in two separate, redundant power circuits with five batteries in each circuit. Should one circuit ever fail, the AED Plus automatically "changes batteries" in a split second by calling on the other circuit to provide the needed power.
- **Best Ingress Protection rating for dust and water**. The AED Plus has an ingress protection (IP) rating of IP55 for dust and water, which is the highest IP rating of any AED in the market today. This enables placement in ideal locations, allowing quick access to an AED for emergencies that may occur outdoors, near water and moisture, or in dusty environments full of small airborne particles.

Talking Points

*The major benefit of the AED Plus? The best possible support for a trained rescuer who is trying to save a life. The best AED is not one that is simple. It's the AED that provides the **best** support during the rescue.*

About CPR

- Research shows¹ that **HALF** of all rescues begin a heart analysis that tells the rescuer "NO SHOCK ADVISED." Once you hear this, **CPR is the only hope** for this victim. If you do high-quality CPR, you may get to push the shock button. Key Question: Will your AED help you do CPR? **Will it provide the best help for CPR?** If it's not from ZOLL, it's BLIND and cannot really help you.
- ZOLL believes that an AED that works needs to **PROVIDE A SHOCK and SUPPORT CPR**. AEDs that can't SEE your CPR, can't really help. They don't really support CPR, and they **WON'T WORK when it's time to do CPR**.
- When is high-quality CPR needed most? **Right after a shock has been delivered!** The most important thing CPR does is **deliver oxygenated blood to the HEART**. A heart that has just been shocked but is not receiving blood from CPR may not make it. Shocking without CPR is like trying to start a car with a good battery, but no gas in the tank. Once you turn the key, it needs GAS! In a rescue, once the shock is delivered, CPR provides the gas.
- The AHA's 2005 Guidelines (pg. IV 19) show that the chances of survival for a collapsed victim who gets no CPR decreases at 10% per minute. After 10 minutes, without CPR chances for survival are at zero. But with high-quality CPR (100 compressions per minute at 1 ½ to 2 inches of depth) chances of survival decrease at 4% per minute. After 10 minutes of high-quality CPR chances of survival are still 60%.

What CPR Does

1. **Increases Systolic pressure** (blood pressure) throughout the circulation system.
2. **Evacuates blood from a distended heart**. When a victim collapses, the arteries stop moving blood, but the veins continue delivering blood to the heart over the next 4 to 5 minutes and it becomes distended (filled with blood but not pumping). Even if the heart is in VF, it needs CPR to evacuate the blood it has filled up with before a shock can be effective.
3. **Moves oxygenated blood to the BRAIN**. Helps reduce brain damage, keeps victim alive longer, and leads to improved quality of life if victim survives.
4. **Moves oxygenated blood to the HEART**. (Most important part of CPR!) Resuscitation requires TWO THINGS: [1] shocking the heart and [2] delivering blood to the heart.

Questions?

Technical Support: Call 1-800-348-9011 and ask operator for "Technical Support".



¹ Hallstrom A et al. "Public-Access Defibrillation and Survival after Out-of-Hospital Cardiac Arrest", *New England Journal of Medicine*. 2004;351:637-46.