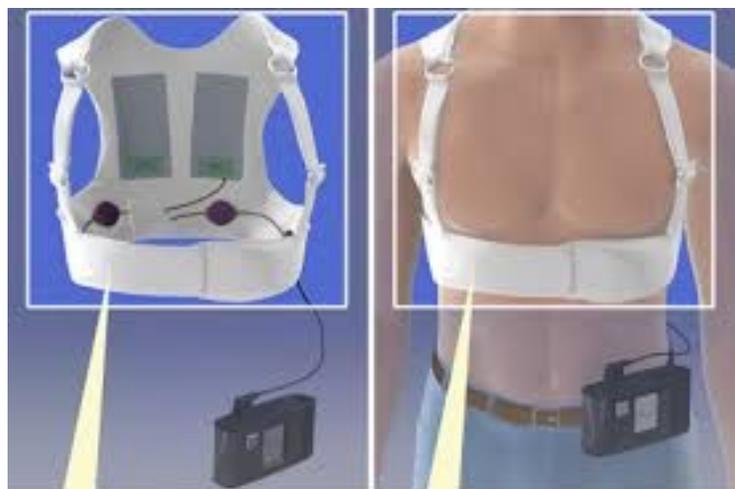

The ZOLL Monthly

The ZOLL LifeVest wearable defibrillator is a treatment option for sudden cardiac arrest that offers patients advanced protection and monitoring as well as improved quality of life.

The LifeVest is the first wearable defibrillator. Unlike an implantable cardioverter defibrillator (ICD), the LifeVest is worn outside the body rather than implanted in the chest. This device continuously monitors the patient's heart with dry, non-adhesive sensing electrodes to detect life-threatening abnormal heart rhythms. If a life-threatening rhythm is detected, the device alerts the patient prior to delivering a treatment shock, and thus allows a conscious patient to delay the treatment shock. If the patient becomes unconscious, the device releases a Blue™ gel over the therapy electrodes and delivers an electrical shock to restore normal rhythm.

Here is a YouTube video of how the device works to result in an astonishing 98% first shock efficacy rate and saving the life of at least one victim from cardiac arrest every single day worldwide!

https://youtu.be/O_qBkVhwly8



The ZOLL LifeVest is one of the fastest growing product categories in the ZOLL portfolio. With that being said, pre-hospital providers are encountering patients wearing the LifeVest at a higher frequency than ever before. On the next page, you will see our Emergency Patient Management guide as a reference on how to handle patient's wearing the LifeVest in the pre-hospital setting.

With the rise of Community Paramedicine programs and new LifeVest technology that will be introduced in 2016, ZOLL's goal is to make pre-hospital providers more aware of when a patient wearing a LifeVest is discharged into your community. Stay tuned for details on that initiative! For further clarification, please contact you local ZOLL representative.

LIFEVEST® WEARABLE DEFIBRILLATOR EMERGENCY PATIENT MANAGEMENT

What alert sounds and voice prompts are being broadcast?

<p>ALERT:</p> <ul style="list-style-type: none"> • Device Silent OR Gong Alert (SINGLE TONE) <p>VOICE:</p> <ul style="list-style-type: none"> • None — device silent • “Contact physician” • “Treatment has been given, call your doctor” <p>STATUS:</p> <ul style="list-style-type: none"> • Device is monitoring the patient • Device may be alerting the patient to follow instructions on the screen <p style="text-align: center; color: blue;">Proceed to Monitor Mode Instructions Below</p>	<p>ALERT:</p> <ul style="list-style-type: none"> • Siren Alert (TWO TONE) <p>VOICE:</p> <ul style="list-style-type: none"> • “If patient is not responsive, call for help, perform CPR” • “Device disabled, call ambulance” <p>STATUS:</p> <ul style="list-style-type: none"> • Device cannot detect EGG or the device has delivered the maximum number of treatments <p style="text-align: center; color: blue;">Proceed to Monitor Mode Instructions Below</p>	<p>ALERT:</p> <ul style="list-style-type: none"> • Siren Alert (TWO TONE) <p>VOICE:</p> <ul style="list-style-type: none"> • “Press response buttons to delay treatment” • “Electrical shock possible, DO NOT TOUCH PATIENT” • “Bystanders do not interfere” <p>STATUS:</p> <ul style="list-style-type: none"> • Device has detected a ventricular arrhythmia • Device is preparing to treat the patient • Shock likely • Stop CPR • Only the patient should press the response buttons (patient consciousness test) • Do not touch patient • Allow device to treat the patient <p style="color: white; font-size: small;">When siren alert stops or “If patient is not responsive, call for help, perform CPR” is broadcast:</p> <p style="text-align: center; color: white;">Proceed to Monitor Mode Instructions Below</p>
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Monitor Mode Instructions:

- Proceed with standard evaluation and treatment measures.
- CPR can be performed as long as the device is not broadcasting “press the response buttons,” “electrical shock possible, do not touch patient,” or “bystanders do not interfere.”
- If external defibrillation is available, a decision can be made to remove the LifeVest and monitor/treat the patient with the external equipment.
- To remove the LifeVest, first pull out the battery, then remove the garment from the patient.



Questions & Answers

- 1. What is a LifeVest?**
The LifeVest wearable defibrillator is worn by patients at risk for sudden cardiac arrest (SCA), providing protection during their changing condition and while permanent SCA risk has not been established.
- 2. What does the “Respond” message mean?**
Before delivering a treatment shock, the LifeVest tests to see if a patient is conscious by providing the patient an opportunity to press and hold the response buttons to prevent a treatment shock. It is important that only the patient press and hold the response buttons.
- 3. What if the patient has Blue™ gel on their skin?**
The LifeVest therapy pads release a Blue™ gel prior to a treatment shock to both improve shock conduction and mitigate burning. The gel should remain on the patient as long as the patient is wearing the LifeVest. In case additional treatment shocks are required, if you choose to remove the LifeVest from the patient and monitor the patient with external equipment, the gel can be removed with water.
- 4. How long does it take for the LifeVest to treat a ventricular arrhythmia?**
After the LifeVest detects a treatable arrhythmia, the time to treatment will be between 25 and 60 seconds depending on the type and rate of the arrhythmia and whether the patient presses the response buttons.
- 5. Can emergency personnel get shocked by the LifeVest?**
Yes. No one should touch the patient while a shock is delivered. The LifeVest will warn bystanders with both a siren alert and a voice command stating “electrical shock possible,” “do not touch patient,” or “bystanders do not interfere” before a shock is delivered.
- 6. Can emergency personnel use external defibrillation while the patient is wearing a LifeVest?**
The monitor should be disconnected from the electrode belt prior to delivering an external defibrillation shock. The garment and belt do not need to be removed.
- 7. What if the patient describes or feels a vibration coming from the garment?**
The vibrations, along with the siren alerts and voice prompts, are part of the LifeVest consciousness test, which requires the patient to press and hold the response buttons to avoid a shock. It is important that only the patient press and hold the response buttons.
- 8. What LifeVest items should the patient bring with them to the hospital?**
If possible, the patient should bring the LifeVest, modem, charger, and extra battery to the hospital. This will allow the patient to download any stored event data from the monitor and charge the battery as required.

24 hour technical support, please call: (800) 543-3267

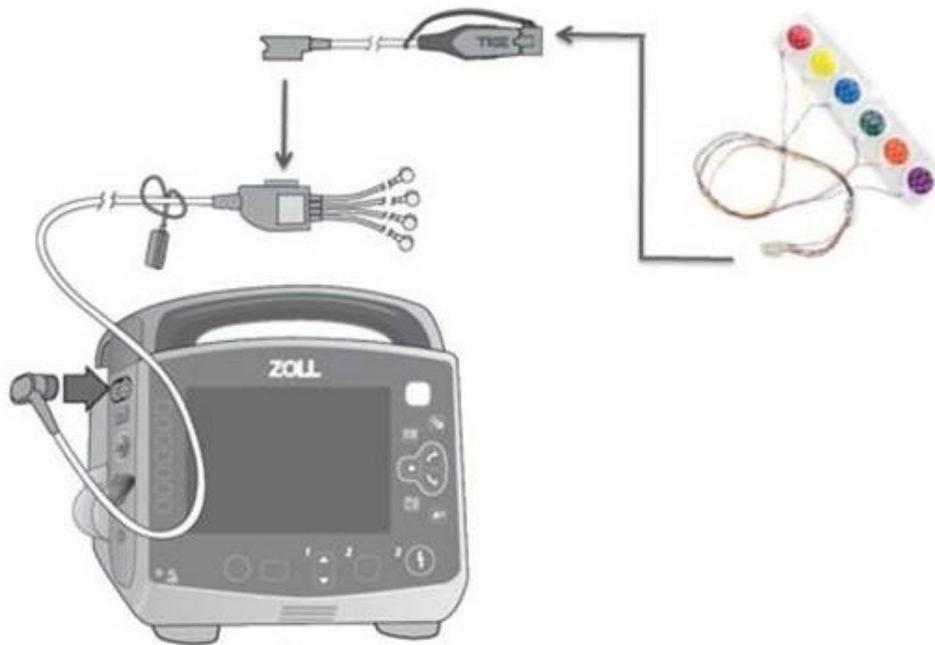


Tips and Tricks

For customers that have used the V-Pak electrodes with our monitors in the past, in order to keep their electrodes fresh and performing at their highest level, we now offer that product for the ZOLL X Series as well!

V-pak® Electrode Adapter for the X Series®

We are happy to announce the availability of the V-pak Adapter Cable for the X Series (REF 8300-000827-01). This cable connects an X Series 4-lead ECG cable to V-pak Electrodes (REF 8900-1300-01).



Part Number	Description	List Price (US\$)
8300-000827-01	V-pak Adapter Cable	US\$265



8900-1300-01 V-pak Preconnected V Lead Electrodes for 12 Lead (40 Pouches / Case) 40 pouches \$340