

Using the ZOLL AED 3 Defibrillator

Overview

Use the ZOLL AED 3 defibrillator when a suspected cardiac arrest victim has an apparent lack of circulation as indicated by ALL of the following symptoms:

- Unconsciousness
- Absence of normal breathing
- Absence of a pulse or signs of circulation

Call for help, retrieve the defibrillator, and bring it to the patient's side. Follow the basic steps on the following pages to treat the suspected cardiac arrest patient:

1. Press the On/Off button to turn on the defibrillator and follow the voice prompts.
2. Press the Child Selection button (**only** if the patient is a child and you are using CPR Uni-padz).
3. Place defibrillation pads on the patient (follow the defibrillator's voice prompts).
4. Shock patient, if instructed.
5. Start CPR.

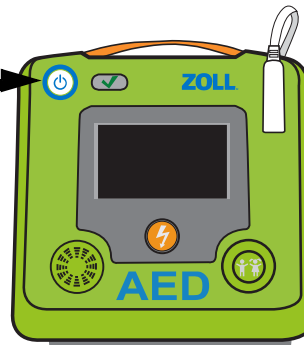
STEP 1 Turn on ZOLL AED 3 Defibrillator

Press the On/Off button in the upper left corner of the AED to turn it on.



On/Off button

On/Off button



STEP 2 Press Child Selection button (if needed)

If the patient does not meet the definition of a "Child" (*see below*), proceed to step 3.

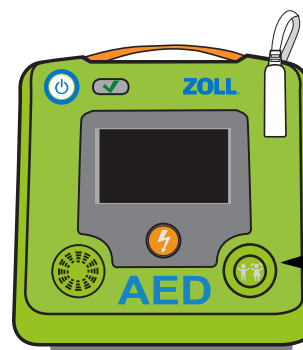


Child Selection button

Press the *Child Selection* button on the bottom right side of the defibrillator if you are using CPR Uni-padz and the *patient is less than 8 years old or weighs less than 55 pounds (25 kg)*. The Child Selection button lights up and the AED announces *CHILD PATIENT SELECTED*.

NOTE If you are using Pedi-padz II, the Child Selection button automatically lights up.

NOTE If you press the Child Selection button while in Child Mode (with CPR Uni-padz connected), the Child Selection button light turns off and the defibrillator announces *ADULT PATIENT SELECTED*.



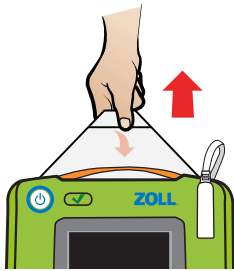
Child Selection button

STEP 3 Place defibrillation pads on patient

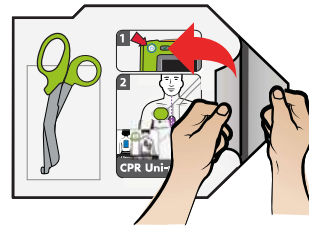
NOTE If the patient is a child and you are using CPR Uni-padz, press the Child Selection button before placing defibrillation pads on the patient.

The ZOLL AED 3 defibrillator instructs you to:

- Remove the pad package from the back of the defibrillator and open the package as shown in the illustrations below.



Remove pad package

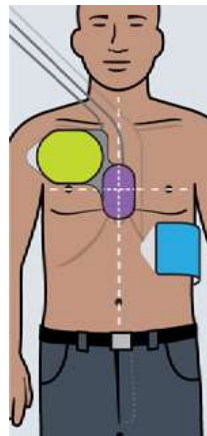


Open pad package

- Remove all clothing from the patient's chest. Use the scissors located on the defibrillation pads package to cut clothing, if needed.

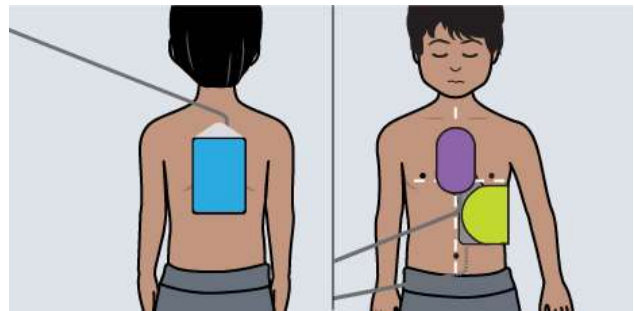
Ensure that the patient's chest is clean and dry. If the patient has excessive chest hair, clip or shave the chest hair.

- Remove the adhesive liner from the purple sensor and green pad and place them according to the illustrations on the package. Remove the adhesive liner from the blue defibrillation pad and follow the illustrations to place it in the correct location. The graphics on the display screen also illustrate pad placement.



Adult pad placement

OR



Child pad placement

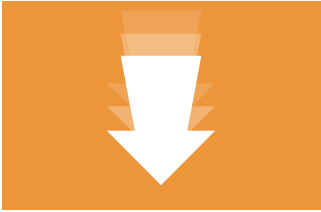




WARNING! Poor adherence or air pockets under the defibrillation pads can lead to arcing, skin burns, or reduced energy delivery. To minimize burning, apply freshly opened and undamaged defibrillation pads to clean and dry skin. Do not fold or wrinkle the defibrillation pad gel surface when applying defibrillation pads to the patient.

The AED issues the voice and text prompt, *DON'T TOUCH PATIENT, ANALYZING* and then begins ECG analysis.

STEP 4 Shock the Patient

WARNING! DO NOT touch defibrillation pad surfaces, the patient, or any conductive material touching the patient during ECG analysis or defibrillation.

When a Shock is Needed

ZOLL AED 3/ZOLL AED 3 BLS	ZOLL AED 3 Automatic
<p>You hear: Charge-ready tone <i>DON'T TOUCH PATIENT. PRESS FLASHING SHOCK BUTTON.</i></p>	<p>You hear: <i>DON'T TOUCH PATIENT. SHOCK WILL BE DELIVERED IN THREE, TWO, ONE.</i></p>
<p>You see:</p> 	<p>You see:</p> <p>First screen: </p> <p>Second screen: </p> <p>Third screen: </p>
<p>Do this: Press flashing shock button.</p>  <p>Shock button</p>	<p>Do this: Stand clear. (The AED automatically shocks the patient).</p>

AED announces *SHOCK DELIVERED*.

Once the shock has been delivered, the AED provides CPR guidance and continuing ECG analysis to determine if more shocks are needed.

When a Shock is Not Needed

If the AED determines that a shock is not needed, a voice prompt instructs you to start CPR for a period of time (configured by the AED Administrator), after which the AED automatically initiates a new ECG analysis. If a shock is needed at that time, refer to "When a Shock is Needed" on page 16.

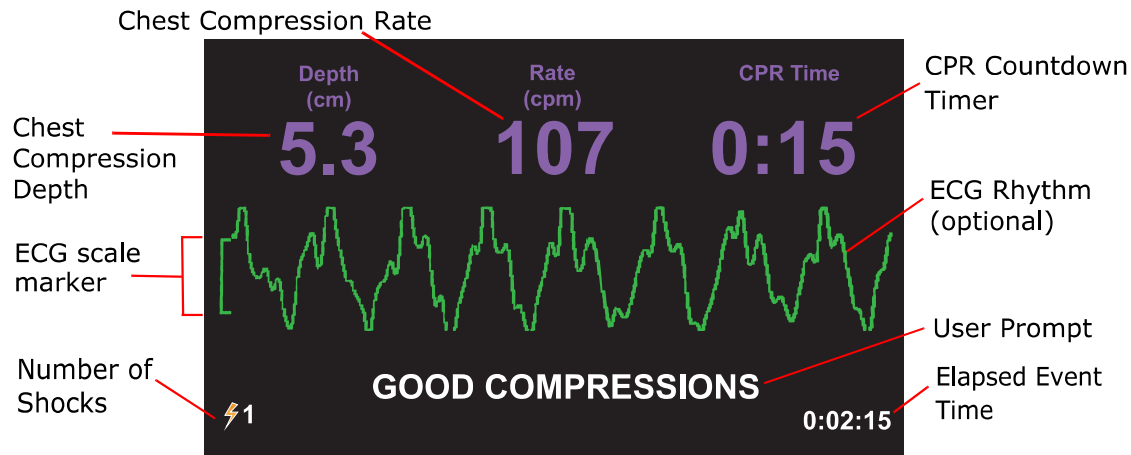
STEP 5 Start CPR

Place your hands on purple CPR compression sensor as shown on the display screen. Listen to the metronome and follow the AED's instructions. If the patient is an adult, follow the audio prompts that provide feedback on the depth and the metronome rate for CPR chest compressions. The CPR Countdown Timer displays the time left in the current CPR period. Continue to follow the AED's voice instructions until help arrives.

ECG/CPR Dashboard

If configured, the ZOLL AED 3 *BLS* model can display the CPR Dashboard, with or without the ECG waveform. The CPR Dashboard display shows the Chest Compression Rate, the Chest Compression Depth, and the CPR remaining time until the next ECG analysis starts.

NOTE When using CPR Uni-padz, all models of the ZOLL AED 3 defibrillator display the CPR Countdown Timer.



NOTE When using CPR Uni-padz in the Child placement position, the ECG rhythm will be inverted on the display. While this may be inconvenient for viewing the ECG, it does not reduce the performance of the defibrillator’s algorithm or the efficacy of the delivered energy in any way.

When Emergency Medical Services Arrive

When Emergency Medical Services (EMS) arrive, you can provide the following rescue information:

- Shock delivered count (bottom left of the display screen)
- Elapsed Event time (bottom right of the display screen)

You can transfer the patient event data to a USB flash drive if EMS personnel request the information. See “Exporting Patient Files” on page 28 for more information.

After Using the ZOLL AED 3

See “After Each Use” on page 19 for maintenance instructions to perform after each time the defibrillator is used.