

<b>Алматы</b> (7273)495-231	<b>Иваново</b> (4932)77-34-06	<b>Магнитогорск</b> (3519)55-03-13	<b>Пермь</b> (342)205-81-47	<b>Тверь</b> (4822)63-31-35
<b>Ангарск</b> (3955)60-70-56	<b>Ижевск</b> (3412)26-03-58	<b>Москва</b> (495)268-04-70	<b>Ростов-на-Дону</b> (863)308-18-15	<b>Тольятти</b> (8482)63-91-07
<b>Архангельск</b> (8182)63-90-72	<b>Иркутск</b> (395)279-98-46	<b>Мурманск</b> (8152)59-64-93	<b>Рязань</b> (4912)46-61-64	<b>Томск</b> (3822)98-41-53
<b>Астрахань</b> (8512)99-46-04	<b>Казань</b> (843)206-01-48	<b>Набережные Челны</b> (8552)20-53-41	<b>Самара</b> (846)206-03-16	<b>Тула</b> (4872)33-79-87
<b>Барнаул</b> (3852)73-04-60	<b>Калининград</b> (4012)72-03-81	<b>Нижний Новгород</b> (831)429-08-12	<b>Саранск</b> (8342)22-96-24	<b>Тюмень</b> (3452)66-21-18
<b>Белгород</b> (4722)40-23-64	<b>Калуга</b> (4842)92-23-67	<b>Новокузнецк</b> (3843)20-46-81	<b>Санкт-Петербург</b> (812)309-46-40	<b>Ульяновск</b> (8422)24-23-59
<b>Благовещенск</b> (4162)22-76-07	<b>Кемерово</b> (3842)65-04-62	<b>Ноябрьск</b> (3496)41-32-12	<b>Саратов</b> (845)249-38-78	<b>Улан-Удэ</b> (3012)59-97-51
<b>Брянск</b> (4832)59-03-52	<b>Киров</b> (8332)68-02-04	<b>Новосибирск</b> (383)227-86-73	<b>Севастополь</b> (8692)22-31-93	<b>Уфа</b> (347)229-48-12
<b>Владивосток</b> (423)249-28-31	<b>Коломна</b> (4966)23-41-49	<b>Омск</b> (3812)21-46-40	<b>Симферополь</b> (3652)67-13-56	<b>Хабаровск</b> (4212)92-98-04
<b>Владикавказ</b> (8672)28-90-48	<b>Кострома</b> (4942)77-07-48	<b>Орел</b> (4862)44-53-42	<b>Смоленск</b> (4812)29-41-54	<b>Чебоксары</b> (8352)28-53-07
<b>Владимир</b> (4922)49-43-18	<b>Краснодар</b> (861)203-40-90	<b>Оренбург</b> (3532)37-68-04	<b>Сочи</b> (862)225-72-31	<b>Челябинск</b> (351)202-03-61
<b>Волгоград</b> (844)278-03-48	<b>Красноярск</b> (391)204-63-61	<b>Пенза</b> (8412)22-31-16	<b>Ставрополь</b> (8652)20-65-13	<b>Череповец</b> (8202)49-02-64
<b>Вологда</b> (8172)26-41-59	<b>Курск</b> (4712)77-13-04	<b>Петрозаводск</b> (8142)55-98-37	<b>Сургут</b> (3462)77-98-35	<b>Чита</b> (3022)38-34-83
<b>Воронеж</b> (473)204-51-73	<b>Курган</b> (3522)50-90-47	<b>Псков</b> (8112)59-10-37	<b>Сыктывкар</b> (8212)25-95-17	<b>Якутск</b> (4112)23-90-97
<b>Екатеринбург</b> (343)384-55-89	<b>Липецк</b> (4742)52-20-81		<b>Тамбов</b> (4752)50-40-97	<b>Ярославль</b> (4852)69-52-93

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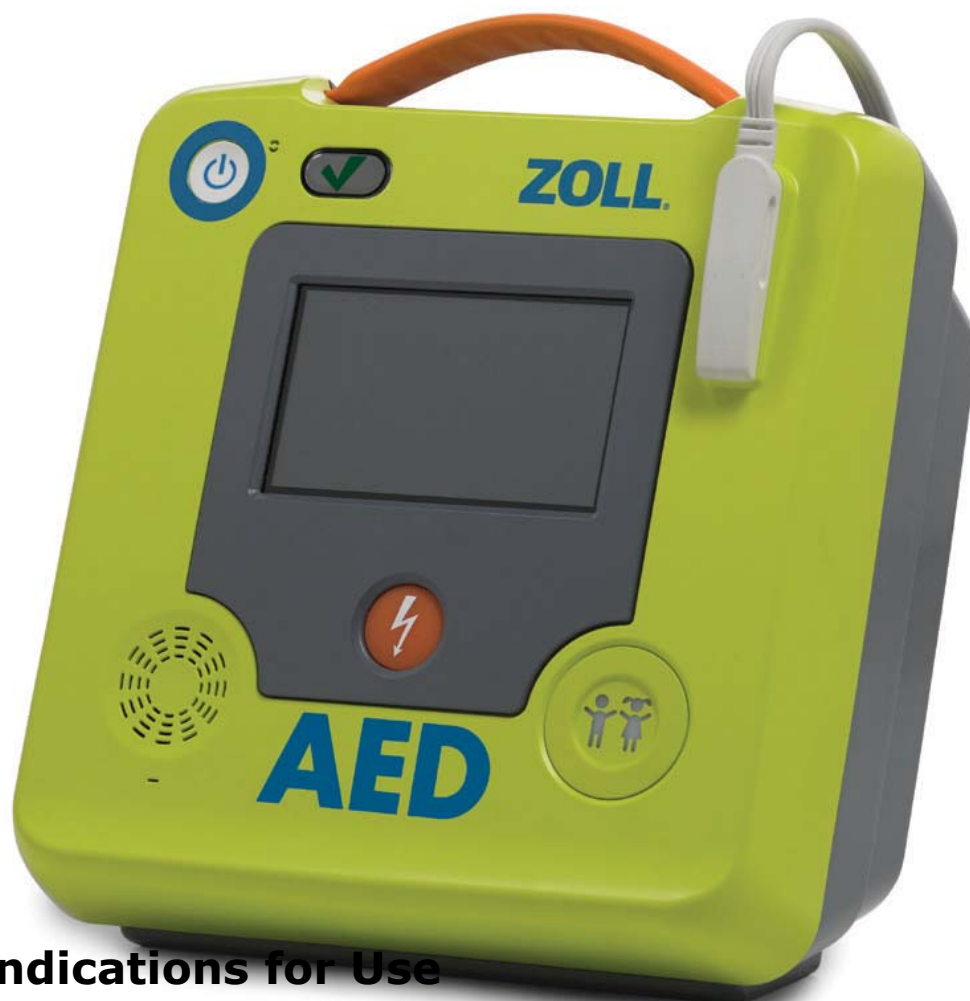
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Киргизия +996(312)96-26-47

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# Технические характеристики на автоматические наружные дефибрилляторы AED 3, AED 3 Trainer компании **ZOLL**

# ZOLL AED 3™



## Indications for Use

The ZOLL AED 3 system is indicated for use when a suspected cardiac arrest victim has an apparent lack of circulation as indicated by:

- Unconsciousness
- Absence of breathing, and
- Absence of pulse and other signs of circulation.

The AED 3 system is indicated for adult and pediatric patients.

## Contraindications for Use

Never use the unit for defibrillation when the patient

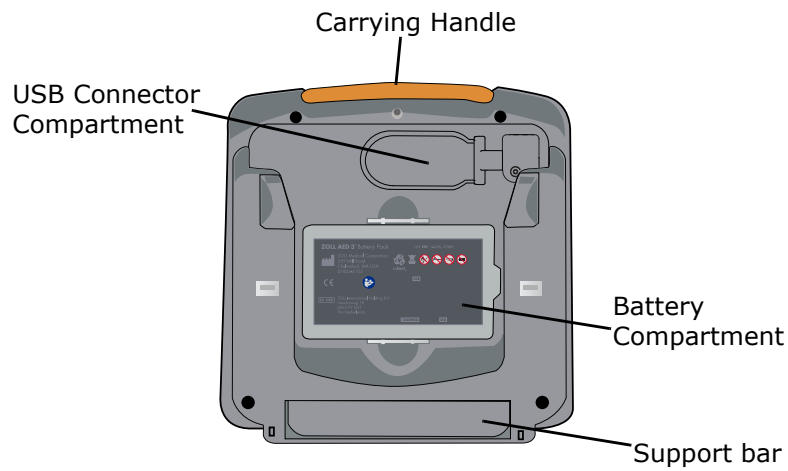
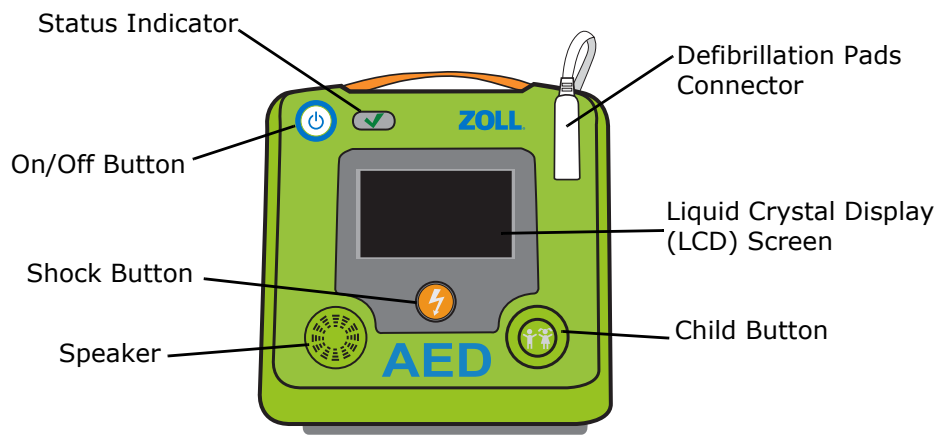
- Is conscious
- Is breathing, or
- Has a detectable pulse or other sign of circulation.

## General Information



Federal (U.S.A.) law restricts this defibrillator to sale by or on the order of a physician.

## ZOLL AED 3™ Controls and Indicators

See “ZOLL AED 3 Control Functions” on the following page for a description of each of these controls.



**Table 1: ZOLL AED 3 Control Functions**

Control/Indicator	Function
Status Indicator  AED Passed Self Test  AED Failed Self Test	A green check indicates that the ZOLL AED 3 defibrillator passed its last self test and is ready for use. No green check indicates that the AED has not passed its last self test or a battery has not been installed—see note on page 11 for more information.
On/Off Button	Press to turn power ON or OFF.
Shock Button	Illuminates when the AED is charged and ready to deliver a shock to the patient. When pressed, it causes the AED to discharge its energy into the patient. <b>Note:</b> In <i>Automatic</i> models, the shock button does not illuminate.
Speaker	Provides audio prompts and metronome beeps to guide rescuers during a rescue; also provides audio prompts to indicate when service is required.
Defibrillation Pads Connector	This connector is used to attach the defibrillation pads to the ZOLL AED 3 defibrillator.
Liquid Crystal Display (LCD) Screen	A 2.1 x 3.7 inch touch screen for display and user input. During a rescue, it displays graphics to guide the rescuer.
Child Button	Illuminated button indicates the ZOLL AED 3 is in Child Mode in preparation for rescuing a pediatric patient. Automatically lights up while using Pedi-padz II.
Carrying Handle	The strap designed to make it easy to carry the AED.
USB Connector Compartment	The area used to connect a USB flash drive when importing/exporting files to or from the ZOLL AED 3 defibrillator.
Battery Compartment	Holds the battery pack used to power the AED.
Support Bar	Opens to hold the AED in an upright position.

# Appendix B

## Specifications

This section describes the following product specifications for the ZOLL AED 3 defibrillator.

**Table 6: General Specifications**

<b>Device</b>	
Size (H x W x D)	5.0" x 9.3" x 9.7" (12.7 cm x 23.6 cm x 24.7 cm)
Weight	5.5 lbs.; 2.5 kg
<b>Environment</b>	
Operating Temperature	32° to 122° F; 0° to 50° C
Storage Temperature	-22° to 158° F; -30° to 70° C
Humidity	10 to 95% relative humidity, non-condensing
Vibration	IEC 60068-2-64, Random, Spectrum A.4, Table A.8, Cat. 3b; RTCA/DO-160G, Fixed Wing Aircraft, Section 8.6, Test Cat. H, Aircraft Zone 1 and 2; EN1789, Sweep per EN 60068-2-6 Test Fc
Shock	IEC 60068-2-27; 100G
Altitude	-1,250 to 15,000 ft.; -381 m to 4573 m
Particle and Water Ingress	IP55
Drop	3.28 ft.; 1 m
<b>Defibrillator</b>	
Waveform	Rectilinear Biphasic™  Refer to the <i>ZOLL AED 3 Administrator's Guide</i> for the Rectilinear Biphasic Waveform Characteristics and the Clinical Trial Results for the M Series Biphasic Waveform.
Defibrillator Charge Hold Time	ZOLL AED 3/ ZOLL AED 3 <i>BLS</i> models: 30 seconds ZOLL AED 3 <i>Automatic</i> model: 3 seconds prior to automatic shock delivery

<b>Defibrillator (cont'd)</b>	
Energy Selection	Automatic pre-programmed selection (Adult mode: 120J, 150J, 200J; Child mode: 50J, 70J, 85J delivered into a 50 ohm patient)
Patient Safety	All patient connections are electrically isolated.
Charge Time	Less than 10 seconds with new battery pack. With a depleted battery pack, the charge time is longer.
Time from first rhythm analysis to AED charged and ready to shock	With new battery pack: 8 seconds With battery pack depleted by 15 200J discharges: 9 seconds
Maximum time from power on to AED charged and ready to shock at 200J	36 seconds
Defibrillation pads	CPR-D padz, CPR Stat-padz, Stat-padz II, or Pedi-padz II
Built in Defibrillator Self Test	Included (verifies proper charging and discharging of the defibrillator)
Defibrillation Advisory	Evaluates defibrillation pad connection and patient ECG to determine if defibrillation is required.
Shockable Rhythms	Ventricular fibrillation with average amplitude >100 microvolts and wide complex ventricular tachycardia (with QRS duration > 120 msec) with rates greater than 150 BPM (adult mode) and 200 BPM (child mode).  Refer to the ECG Analysis Algorithm Accuracy Section in the <i>ZOLL AED 3 Administrator's Guide</i> for sensitivity and specificity performance.
Defibrillation Pad Patient Impedance Measurement Range	10 to 300 ohms
Defibrillation Pad ECG Circuitry	Protected
<b>ECG</b>	
ECG Bandwidth	.67-20Hz
Implanted Pacemaker Pulses Detected	The ZOLL AED 3 does not reject implanted pacemaker pulses.

<b>Display</b>	
Display type	High resolution liquid crystal display with capacitive touch panel
Viewable area (height • width)	2.12 in • 3.74 in 5.39 cm • 9.5 cm
Sweep Speed	25 mm/sec
Viewing time	3.84 seconds
<b>Battery</b>	
<b>Standby Life (years)</b> When using a battery stored for up to 2 years at 23° C (73° F) and placed in a ZOLL AED 3 defibrillator.	<b>Auto Self-Test Report OFF</b> <b>Self-Test Interval (7 days)</b> 5 <b>Self-Test Interval (1 day)</b> 3  <b>Auto Self-Test Report ON</b> <b>Self-Test Interval (7 days)</b> 3*
*Battery standby life will be shorter in areas with low Wi-Fi signal strength and/or more complex Wi-Fi authentication protocols.	
<b>CPR Monitoring</b>	
CPR	Metronome Rate: 105 ±2 CPM
Compression Depth Range	0.75 to 4 in ±0.25 in 1.9 to 10.2 cm ±0.6 cm
Compression Rate Range	50 to 150 compressions per minute

# ZOLL AED 3<sup>®</sup>

## TRAINER



## Operator’s Guide



**ZOLL Medical Corporation**  
269 Mill Road  
Chelmsford, MA USA  
01824-4105

Attn: Technical Service Department

Tel: 978-421-9655      800-348-9011  
Fax: 978-421-0001



**ZOLL International Holding B.V.**  
Newtonweg 18  
6662 PV ELST  
The Netherlands

Tel: +31 (0) 481 366410  
Fax: +31 (0) 481 366411

International Service: Contact your local distributor.



The ZOLL AED 3<sup>®</sup> Trainer is used to demonstrate and practice complete Sudden Cardiac Arrest rescue simulations, including delivering shocks and performing CPR.

The following items are included in the shipping box:

- Qty 1: ZOLL AED 3 Trainer
- Qty 1: ZOLL AED 3 Trainer CPR Uni-padz<sup>®</sup> Electrode Training Harness, Electrode Pads, and Liners
- Qty 4: D-cell Batteries
- Qty 1: ZOLL AED 3 Trainer Operator's Guide

## Features of the ZOLL AED 3 Trainer

- Integrated Real CPR Help<sup>®</sup>: The ZOLL AED 3 Trainer incorporates real-time compression feedback (rate and depth) during compressions when using the ZOLL AED 3 Trainer CPR Uni-padz.
- "Pads On" manikin detection: The ZOLL AED 3 Trainer moves to the "analysis" state once the trainee places the CPR Uni-padz on the manikin.
- Active LCD Display: The full color display mimics the ZOLL AED 3 and displays rescue images along with the real-time compression bar when the trainee is performing compressions.
- Easy Configuration: Configuration is performed directly on the trainer. There is no need for a remote control. Available options include:
  - Training scenario
  - Operating mode (SEMI-AUTOMATIC or FULLY AUTOMATIC)
  - Lay Rescuer Prompts (ON/OFF)
  - Check Breathing Prompts (ON/OFF)
  - Real CPR Help Prompts (ON/OFF)
  - Volume
  - Language (select models only)
- Adult/Child Operation
- Semi-Automatic/Fully Automatic: One trainer for both types of devices. The ZOLL AED 3 Trainer can easily convert from a Semi-Automatic mode to a Fully Automatic mode.
- Long lasting training pad: The electrode pads are designed to last for a minimum of 50 training cycles. The electrode harness is designed to last for a minimum of 100 training cycles. A training cycle is defined as two minutes of manikin compressions, performed at a depth of 2" and a rate of 100 per minute. Each cycle also includes one pad-to-manikin application and removal, and one

pad-to-liner application and removal. Sternum and Apex pads should remain adhered to the manikin.

- USB Software Updates: The trainer’s software is easily updated using a USB flash drive with preloaded software.
  - **NOTE:** Leaving a USB flash drive installed in the USB Connector during training will reduce the battery life and impact the performance of the ZOLL AED 3 Trainer.

### Proper Use and Care of Electrode Pads

- Before use, remove the electrode pads from the plastic liners by grasping each pad at the black arrow and carefully peeling away from its liner at a 90° angle.
- When not in use during the training session, place the electrode pads back on the plastic liners and store in the plastic bag in the rear pocket of the ZOLL AED 3 Trainer.
- The adhesive gel surface of the electrode pads should be applied only to the clean and dry surface of the plastic liner, or directly to the dry skin surface of a CPR training manikin that has been appropriately cleaned of any residual oils, dirt or debris.
- When training is complete, carefully remove the electrode pads from the CPR training manikin by grasping the pads at the black arrow and carefully peeling away from the manikin at a 90° angle.
- Carefully reapply the electrode pads to the plastic liners ensuring each pad is completely flat and fully adhered to its liner.

# ZOLL AED 3<sup>®</sup>

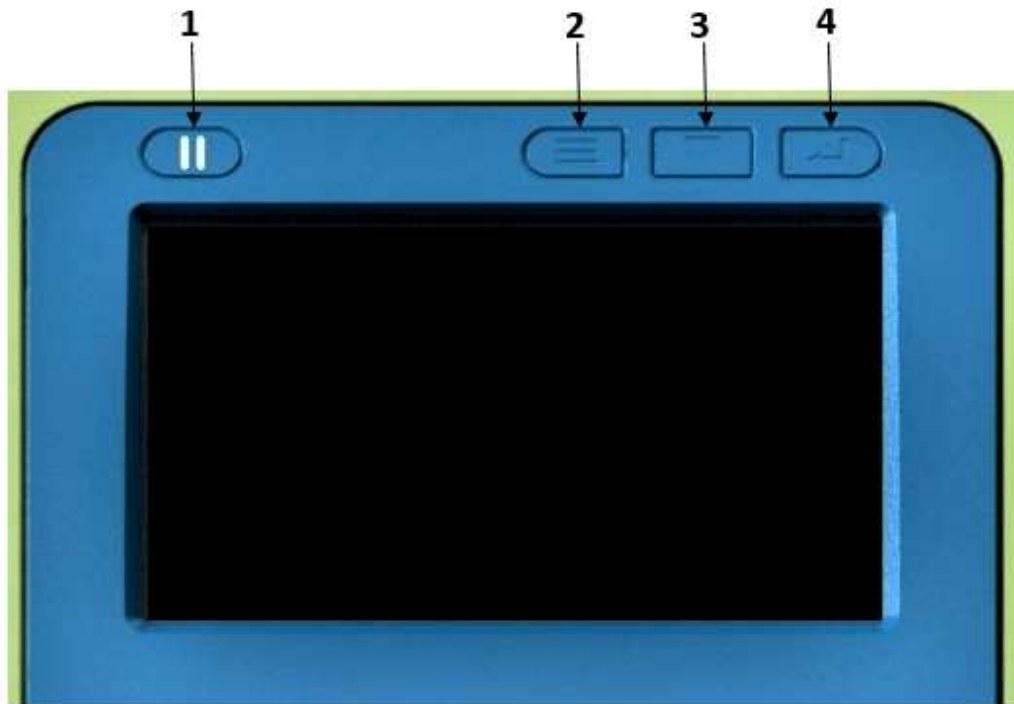
## TRAINER



## ZOLL AED 3 Trainer

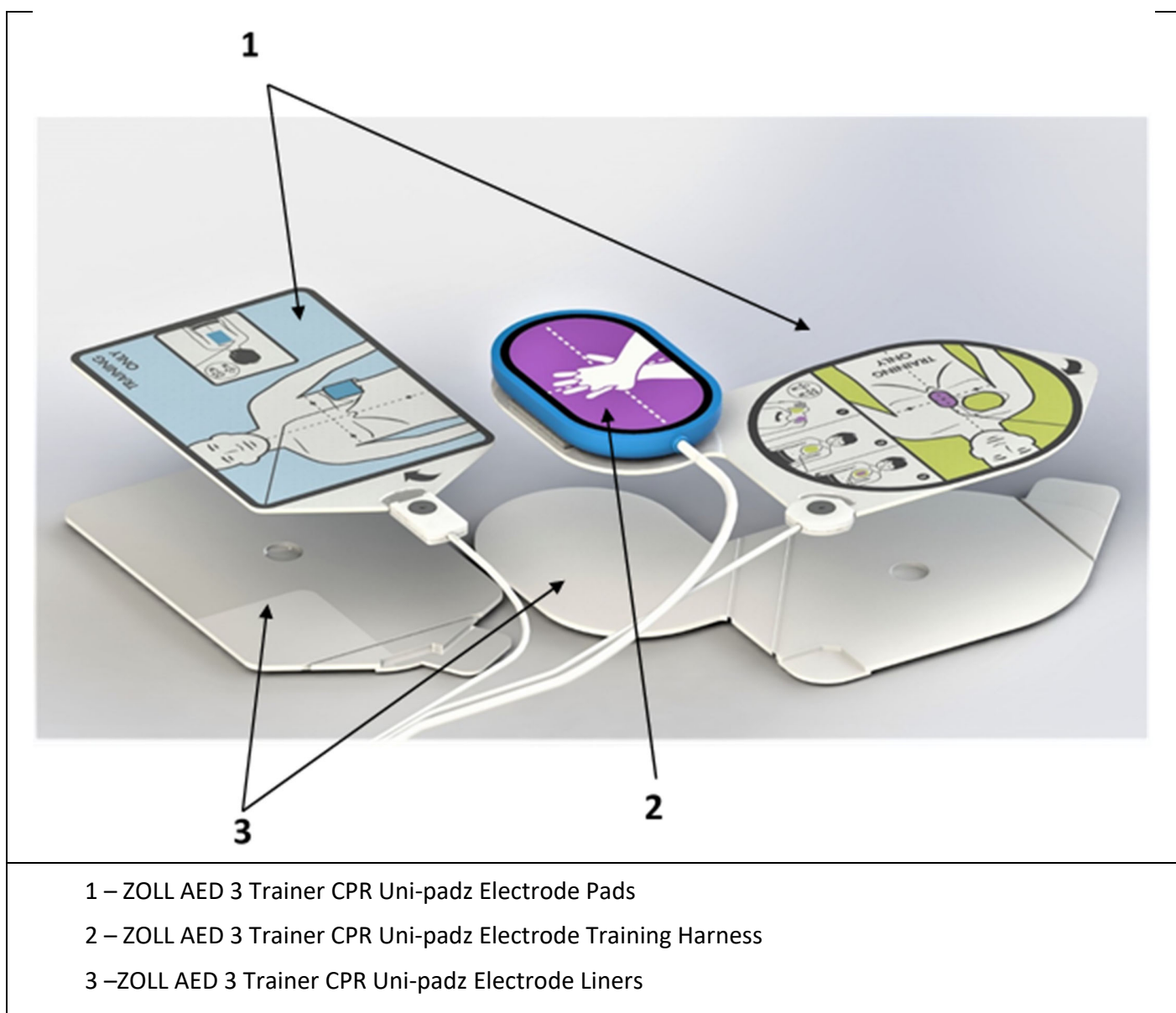
 <p>The image shows the front view of the ZOLL AED 3 Trainer. It is a green and blue device with a central screen and several buttons. Callout 1 points to a power button in the top left. Callout 2 points to a green checkmark indicator. Callout 3 points to a blue connector on the right side. Callout 4 points to a lightning bolt shock button. Callout 5 points to a child button with a child icon. Callout 6 points to a speaker grille on the bottom left.</p>	<p>Front of ZOLL AED 3 Trainer</p> <ul style="list-style-type: none"><li>1 – ON/OFF Button</li><li>2 – Replicated Status Indicator</li><li>3 – Training Electrode Connector</li><li>4 – Shock Button</li><li>5 – Child Button</li><li>6 – Speaker</li></ul>
 <p>The image shows the rear view of the ZOLL AED 3 Trainer. It is a grey and green device. Callout 1 points to a USB connector. Callout 2 points to a device identification label. Callout 3 points to a device serial number label. Callout 4 points to a battery compartment door. Callout 5 points to a support kick-stand at the bottom.</p>	<p>Rear of ZOLL AED 3 Trainer</p> <ul style="list-style-type: none"><li>1 – USB Connector</li><li>2 – Device Identification Label</li><li>3 – Device Serial Number Label</li><li>4 – Battery Compartment Door</li><li>5 – Support Kick-stand</li></ul>

## ZOLL AED 3 Trainer Operational Buttons




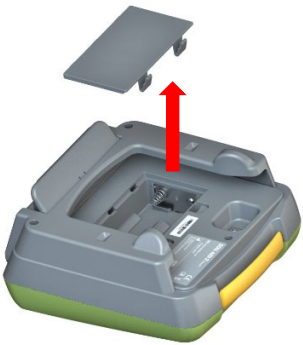


- 1 – Training Scenario Pause Button
- 2 – Device Configuration Menu Selection Button
- 3 – Device Configuration Menu Scroll Button
- 4 – Device Configuration Option Selection Button

## ZOLL AED 3 Trainer CPR Uni-padz Training Electrodes



When you receive your ZOLL AED 3 Trainer the training electrodes will need to be assembled. Please refer to the ZOLL AED 3 Trainer Electrode Attachment Guide (P/N 9650-000864-40) for assembly instructions.

## Setting up your ZOLL AED 3 Trainer

Installing Batteries	
(1)	 The image shows the ZOLL AED 3 Trainer with its battery cover closed. The device is grey with a green base and a yellow handle on the right side.
(2)	 The image shows the battery cover being lifted off the device. A red arrow points upwards from the cover, indicating the direction of removal.
(3)	 The image shows two AA batteries being inserted into the battery compartment. The batteries are oriented with their positive (+) and negative (-) terminals facing the correct direction.
(4)	 The image shows the battery cover being pushed back onto the device. A red arrow points downwards from the cover, indicating the direction of installation.

**Insert CPR Uni-padz Electrodes into Training Electrode Connector**

(1)



(2)



(3)





## Configuring the ZOLL AED 3 Trainer













Enter the Setup/Configuration menu by pressing the Device Configuration Menu Selection Button.




Navigation Instructions:

- (1) Use the “Device Configuration Menu Scroll Button” button to progress from option to option.
- (2) Use the “Device Configuration Option Selection Button” button to adjust a configuration option.
- (3) When setup is complete press the “Device Configuration Menu Selection Button” to turn the trainer off.

Configurable options:

- (1) Select your Training Scenario from the four options (  =Shock Icon,  =No Shock Icon)

a. Shock / Shock / Shock	 /  / 
b. No Shock / Shock / Shock	 /  / 
c. Shock / No Shock / No Shock	 /  / 
d. No Shock / No Shock / No Shock	 /  / 

- (2) Device Operation / Shock Type:
  - a. SEMI-AUTOMATIC
  - b. FULLY AUTOMATIC
- (3) Lay Rescuer Prompts (“CHECK RESPONSIVENESS” / “CALL FOR HELP”)
  - a. ON
  - b. OFF
- (4) Check Breathing Prompts (“OPEN AIRWAY” / “CHECK BREATHING”):
  - a. ON
  - b. OFF
- (5) Real CPR Help Prompts ( “PUSH HARDER” / “GOOD COMPRESSIONS”):
  - a. ON
  - b. OFF
- (6) Volume (Low, Medium, High -- indicated by Icon):
  - a.  - Low
  - b.  - Medium
  - c.  - High
- (7) Language (specified by model)



## Troubleshooting

Real CPR Help prompts and Software Updates will not function in low battery conditions. The prompt “CHANGE BATTERY” will be displayed in the setup menu when the battery is low.

## Maintenance

The ZOLL AED 3 Trainer should be kept clean, undamaged, and free of excessive wear.

Verify that there are no cracks or loose parts in ZOLL AED 3 Trainer.

The ZOLL AED 3 Trainer CPR Uni-padz Electrode Training Harness should be replaced as necessary.

The ZOLL AED 3 Trainer CPR Uni-padz Electrode Pads should be replaced as necessary.

The ZOLL AED 3 Trainer CPR Uni-padz Electrodes Liners should be replaced as necessary.

## Cleaning

The ZOLL AED 3 Trainer may be cleaned with a soft, damp cloth using soap and water, then wiped dry immediately.

DO NOT:

- Immerse any part of the trainer in water.
- Use ketones (e.g., MEK, acetone) to clean the trainer
- Use abrasives on any surface.
- Sterilize the ZOLL AED 3 Trainer.

## Accessories

The following ZOLL AED 3 Trainer accessories may be ordered from the ZOLL Customer Service Department or your local distributor:

8028-000010: ZOLL AED 3 Trainer CPR Uni-padz Electrode Training Harness

8028-000014: ZOLL AED 3 Trainer CPR Uni-padz Electrode Pads, Qty 5

8028-000013: ZOLL AED 3 Trainer CPR Uni-padz Electrode Replacement Liners, Qty 1

## Warnings

The ZOLL AED 3 Trainer is intended for indoor use only.

The ZOLL AED 3 Trainer is intended for training purposes only. It will not deliver defibrillation energy.

Do not attempt to plug the AED Simulator into the connector of ZOLL AED 3 Trainer.

Do not attempt to take the ZOLL AED 3 Trainer apart.

Remove battery compartment doors only to replace batteries.

Алматы (7273)495-231  
Ангарск (3955)60-70-56  
Архангельск (8182)63-90-72  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Благовещенск (4162)22-76-07  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Владикавказ (8672)28-90-48  
Владимир (4922)49-43-18  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Коломна (4966)23-41-49  
Кострома (4942)77-07-48  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Курган (3522)50-90-47  
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Ноябрьск (3496)41-32-12  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Петрозаводск (8142)55-98-37  
Псков (8112)59-10-37

Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Саранск (8342)22-96-24  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
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Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Сургут (3462)77-98-35  
Сыктывкар (8212)25-95-17  
Тамбов (4752)50-40-97

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Тольятти (8482)63-91-07  
Томск (3822)98-41-53  
Тула (4872)33-79-87  
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Ульяновск (8422)24-23-59  
Улан-Удэ (3012)59-97-51  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Чебоксары (8352)28-53-07  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
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Якутск (4112)23-90-97  
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