Manuals+ — User Manuals Simplified.

ZOLL AED Plus Trainer 2 Automated External Defibrillator User Manual

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  - Start scenario (press again)
- CPR Metronome set up to beep or not beep
- (Real CPR Help® during CPR interval)

Training Controls

- Pads attached/not attached to the victim's bare chest (toggle-switch)

- NO SHOCK advised on the next heart analysis (manual mode only)

- PUSH HARDER prompt (only when the metronome is beeping)

- GOOD COMPRESSIONS prompt (only when the metronome is beeping)

- Pause (resume) current scenario

- End current scenario

ZOLL AED Plus Trainer

- Push to turn Trainer2 on
- Push again to start the current scenario (as defined using Remote Controller)
- Hold to turn Trainer2 off

 Greenlight remains on = Trainer2 is on and ready for use
Green light off = Trainer2 is turned off or has no battery power
Red Light steady = Last command from Remote Controller accepted
Red Light 3 flashes = Last command from Remote Controller is invalid

SETUP and TEST

Trainer2 unit: Action

- Install 4 "D" batteries in the AED Plus TTrainer 2

- Press the On/Off button to turn Trainer2 on.

- The green light turns on, indicating Trainer 2 is ready for use.

Remote Controller: Action

- Install 2 "AA" batteries inthe handheld remote.
- Turn the Remote Controller on by pushing the view/enter button.

Manual Scenario Mode
View/Enter Button
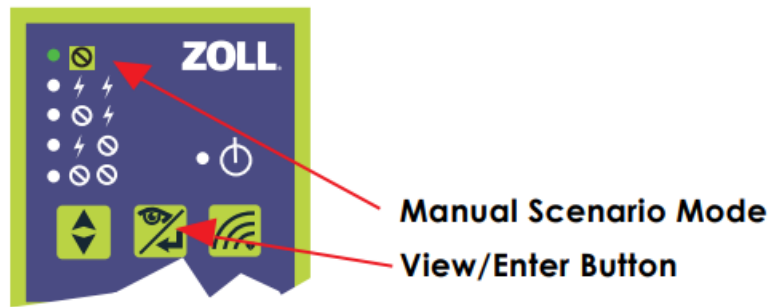
- Point the Remote Controller at the unit and press the view/enter button again.
- The green light on Remote
- The controller will show Manual Scenario Mode is selected.

Trainer2 unit: Action

 Turn the Trainer2 unit off (hold down the On/Off button).

- The setup test is now complete. The Trainer 2 unit and the Remote controller are ready for use.

NOTE
The Remote Controller lights indicate the current training settings while the Trainer2 simulates the actual AED Plus behavior.

SELECT SCENARIO SETTINGS

Trainer2 unit: Action

 Turn TTrainer2 on by pushing the On/Off button.

Remote Controller: Action

- Press the view/enter button once to turn on the Remote Controller.

- Use the move-up button to select the desired scenario.

- Use the CPR Metronome button to turn Real CPR Help (beeping) on or off for this scenario.

- Push the view/enter button once to enter the scenario for AED Plus Trainer2.

NOTE
The Remote Controller will turn itself off after 10 seconds.
The Trainer2 will remember the last scenario setting which will reappear the next time the view/enter button is pushed.

SCENARIO CONTROLS

Remote Controller: Action

Analysis – VF
VF (Ventricular Fibrillation-shock advised) is the default simulated heart rhythm in the Manual Scenario.

For the next analysis to result in NO Shock advised, push the NO Shock button.
NOTE Once the No Shock button has been pushed, the next simulated heart analysis will advise NO Shock. This setting cannot be reversed for the next analysis.

In all scenarios, the Pads button must be pressed once to proceed with analysis.
If pressed again, it will begin to prompt for attaching pads.

CPR PROMPTS

Remote Controller: Action

- The Remote Controller controls all prompts when Trainer 2 is beeping (during the CPR interval).

- Press the PUSH HARDER button during the CPR interval to force the unit to say "Push Harder".

- Press the GOOD COMPRESSIONS button during the

- CPR interval to force the unit to say "Good Compressions"

- **NOTE** Accurately imitating the AED Plus requires that instructors be familiar with the protocol currently followed by the AED Plus for PUSH HARDER and GOOD COMPRESSIONS prompts.

Trainer2 unit: Action

The PUSH HARDER and GOOD COMPRESSIONS buttons are only valid during the CPR interval. The red light on the Trainer2's status window emits one long flash if the prompt is currently valid.

If the PUSH HARDER or GOOD COMPRESSIONS buttons are pushed when the Trainer2 is not beeping, the unit's red light emits three quick flashes, indicating that the prompt is currently invalid.

3b PAUSE/STOP SCENARIO

Remote Controller: Action

In all scenarios (manual and automatic), the rescue can be paused by pushing the Pause/Resume button once. Push it a second time to resume the scenario.

In all scenarios (manual and automatic), the rescue can be ended by pushing the End button once.
NOTE For further information about the functioning of the clinical AED Plus, see the AED Plus Operator's Guide and Admin-instructor'ss Guide.

SCENARIOS

1 Simulated heart rhythm: Student Response:

VF 1	Shock
VF 2	CPR
VF 3	Shock
VF 4	CPR
Done	

2 Simulated heart rhythm: Student Response:

ASYSTOLE 1	No Shock
ASYSTOLE 2	CPR
VF 1	Shock
VF 2	CPR
Done	

3 Simulated heart rhythm: Student Response:

VF 1	Shock
VF 2	CPR
NSR 1	No Shock
NSR 2	CPR
Done	

4 Simulated heart rhythm: Student Response:

ASYSTOLE 1	No Shock
ASYSTOLE 2	CPR
ASYSTOLE 3	No Shock
ASYSTOLE 4	CPR
Done	

TROUBLESHOOTING

Trainer2 does not respond (green light in status window is not lit) when *On/Off* button is pushed	Replace all four "D" batteries in Trainer2 unit.
Remote Controller does not respond (scenario selection is not lit) when *view/enter* button is pushed	Replace both "AA" batteries in Remote Controller.
Trainer2 does not beep or react to Remote Controller during CPR interval.	Re-set scenario and make certain that CPR metronome light is on.
No prompt to "GIVE TWO BREATHS" after "CHECK BREATHING"	Unit is configured for ERC. Change to AHA configuration. (See Chaning AHA/ERC Configurations section of this Operator's Guide).
With new batteries in both, Trainer2 fails to respond to Remote Controller	Contact ZOLL Technical Service

MAINTENANCE

1. Keep Trainer 2 and Remote Controller clean, undamaged, and free of excessive wear.
2. Verify that there are no cracks or loose parts in Trainer 22 and Remote Controller.
3. Replace Training electrodes as necessary.

CLEANING

- Clean the Trainer2 unit and remote controller with a soft, damp cloth using soap and water, then wipe dry immediately.
- Do not immerse any parts in water.
- Do not clean with ketones (e.g., MEK, acetone).
- Avoid using abrasives on any surface.
- Do not sterilize the Trainer 2 or the Remote Controller.

WARNING
Product intended for indoor use only.

WARNING

This device is for training only. It will not deliver defibrillation energy.

WARNING

Do not attempt to plug the AED Plus or AED Pro simulator intothe connector of Trainer2.

WARNING

Do not attempt to take Trainer2 or Remote Controller apart. Remove and replace battery compartment doors only and replace them immediately.

CPR FEEDBACK OPERATION

The AED PLUS Trainer2 includes controls that allow instructors to simulate the voice prompts and text messages issued by the AED PLUS when rescuers perform CPR. These controls include:

Remote Controller: Description

CPR Metronome On/Off

This control activates the Trainer2's metronome which begins to beep at 60 compressions per minute (CPM)and then automatically accelerates to 100 CPM after a few seconds. Metronome beeps are independent of the student's actual compression rate and continue until the CPR interval times out or until the Metronome On/Off button is pressed again. The control and the metronome functions are only active during periods when Trainer 2 has prompted the rescuer to perform CPR.

PUSH HARDER Button

Pressing this control button causes the Trainer2 to emit a single "PUSH HARDER" voice prompt. Instructors should depress this button when the student's chest compressions are too shallow.

Good Compressions Control

Pressing this control button causes the Trainer2 to emit a "GOOD COMPRESSIONS" voice prompt. To simulate the operation of the AED PLUS defibrillator, instructors should use this control to provide students with positive feedback about improvements in chest compression depth when they respond to "PUSH HARDER" prompts.

SWITCHING AHA/ERC CONFIGURATION

- American Heart Association (AHA) configuration: Prompt to "GIVE TWO BREATHS" after "CHECK BREATHING".

- European Resuscitation Council (ERC) configuration: NO prompt to "GIVE TWO BREATHS" after "CHECK BREATHING".

- Prompt to "GIVE TWO BREATHS" can be configured into (AHA configuration), or out of (ERC configuration) the prompt sequence by doing the following:

- With the Trainer2 unit off, hold down the Shock Button. Press the On/Off Button once. The green light will illuminate the status window to indicate AHA configuration (prompt sequence will contain "GIVE TWO BREATHS").

- Press the On/Off Button again. The green light will turn off and the red light will illuminate at the status window to indicate ERC configuration (prompt sequence will NOT contain "GIVE TWO BREATHS").

- Press the On/Off Button again to revert to the AHA configuration (green light on and red light off).

- When configured as desired (green = AHA, red = ERC), hold down the On/Off button to turn the unit off and store the configuration.

NOTE
Extra and/or replacement Remote Controllers are available Contact your distributor or ZOLL Medical.

For technical support or repair
Technical Service Department

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269 Mill Road
Chelmsford, MA USA 01824-4105
978-421-9655 800-348-9011
Fax: **978-421-0010**

ZOLL Medical Corporation 2007
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References

- **User Manual**