TROUBLESHOOTING

AED Trainer problem / display: *Action:*

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 Trainer2 and Remote Controller clean, undamaged, and free of excessive wear.

2.   Verify that there are no cracks or loose parts in Trainer2 and Remote Controller.

3.   Replace Training electrodes as necessary.

CLEANING

■   Clean the Trainer2 unit and remote controller with 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 Trainer2 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 AED Plus or AED Pro simulator into connector of Trainer2.

WARNING   Do not attempt to take Trainer2 or Remote Controller apart. Remove and replace battery compartment doors only and replace 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) then automaticallyaccelerates 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 the Trainer2 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 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 On/Off Button once. Green light will illuminate at status window to indicate AHA configuration (prompt sequence will contain "GIVE TWO BREATHS").

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

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

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

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

AED+PLUS®

Trainer2

Automated External Defibrillator Trainer2

Operator's Guide

ZOLL®

Advancing Resuscitation. Today.™

CONTROLS / INDICATORS

Handheld Remote Controller:

Scenario Set-up Controls:

⊘ **Manual Scenario mode**

⊘⚡ **Scenario 1: SHOCK - SHOCK**

⊘⚡ **Scenario 2: NO SHOCK - SHOCK**

⚡⊘ **Scenario 3: SHOCK - NO SHOCK**

⊘⊘ **Scenario 4: NO SHOCK - NO SHOCK**

⬍ **Move Up** to next scenario.

👁/↵ **View/Enter** scenario
Show current scenario selection (press once)
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 victim's bare chest
(toggle-switch)

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

PUSH HARDER prompt
(only when metronome is beeping)

GOOD COMPRESSIONS prompt
(only when metronome is beeping)

Pause (resume) current scenario

End current scenario

ZOLL AED Plus Trainer:

On/Off — Push to turn Trainer2 on
Push again to start current scenario
(as defined using Remote Controller)
Hold to turn Trainer2 off

Green light 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

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1 SETUP and TEST

Trainer2 unit: / **Action:**

Install 4 "D" batteries in the AED Plus Trainer2.

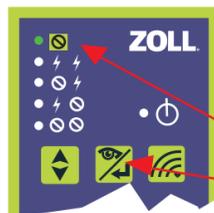On/Off — Press On/Off button to turn Trainer2 on.

Green light turns on, indicating Trainer2 is ready for use.

Remote Controller: / **Action:**

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

Point Remote Controller at unit and press view/enter button again. Green light on Remote Controller will show Manual Scenario Mode is selected.

→ **Manual Scenario Mode**
→ **View/Enter Button**

Trainer2 unit: / **Action:**

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

Setup test is now complete. Trainer2 unit and 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.

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2 SELECT SCENARIO SETTINGS

Trainer2 unit: / **Action:**

On/Off — Turn Trainer2 on by pushing the On/Off button.

Remote Controller: / **Action:**

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

Use move up button to select desired scenario.

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

Push view/enter button once to enter 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.

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3 SCENARIO CONTROLS

Remote Controller: / **Action:**

Analysis - VF

VF (Ventricular Fibrillation-shock advised) is the default simulated heart rhythm in 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 buttton must be pressed once to proceed with analysis. If pressed again, it will begin to prompt for attaching pads.

3a CPR PROMPTS

Remote Controller: / **Action:**

The Remote Controller controls all prompts when the Trainer2 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 Administrator's Guide.

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4 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	