**TROUBLESHOOTING**

**AED Trainer problem / display:**
- Trainer2 does not respond (green light in status window is not lit) when On/Off button is pushed

- Remote Controller does not respond (scenario selection is not lit) when view/enter button is pushed

- Trainer2 does not beep or react to Remote Controller during CPR interval.

- No prompt to “GIVE TWO BREATHS” after “CHECK BREATHING”

- With new batteries in both, Trainer2 fails to respond to Remote Controller

**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.

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

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

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

**WARNING**

**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 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 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.
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

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:
- Push to turn Trainer 2 on
  Push again to start current scenario
  (as defined using Remote Controller)
  Hold to turn Trainer 2 off
  Green light remains on = Trainer 2 is on and ready for use
  Green light off = Trainer 2 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

   Press On/Off button to turn Trainer 2 on.
   Green light turns on, indicating Trainer 2 is ready for use.

   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.

SELECT SCENARIO SETTINGS

1. Trainer2 unit: Action: Turn Trainer 2 unit off (hold down On/Off button).
   Setup test is now complete. Trainer 2 unit and Remote Controller are ready for use.

NOTE: The Remote Controller lights indicate the current training settings while the Trainer 2 simulates the actual AED Plus behavior.

2. 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 Trainer 2.

NOTE: The Remote Controller will turn itself off after 10 seconds. The Trainer 2 will remember the last scenario setting which will re-appear the next time the view/enter button is pushed.

3. SCENARIO CONTROLS

Remote Controller: Action: 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 button must be pressed once to proceed with analysis. If pressed again, it will begin to prompt for attaching padds.

3a CPR PROMPTS

Remote Controller: Action: The Remote Controller controls all prompts when the 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.

Trainer 2 unit: Action: The PUSH HARDER and GOOD COMPRESSIONS buttons are only valid during the CPR interval. The red light on the Trainer 2’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 Trainer 2 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 a second time to resume the scenario.

NOTE: For further information about the functioning of the clinical AED Plus, see the AED Plus Operator’s Guide and Administrator’s Guide.

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: CPR
   - ASYSTOLE 4: CPR
   - Done