

Zoll AED Pro with CPR Stat-Padz® & audio recording
OMD Approved AED Configuration for 9-1-1 Designated Responders
The Austin-Travis County EMS System

Effective March 16, 2015

Item to be Configured	Possible Selections
General Settings	
<p><i>Self-test Interval</i></p> <p>Sets the period of time between automated self-tests in standby state.</p>	<ul style="list-style-type: none"> • 1 day — default • 2 days • 3 days • 4 days • 5 days • 6 days • 7 days
<p><i>Line Frequency</i></p> <p>Selects the AC power frequency to be filtered during ECG monitoring.</p>	<ul style="list-style-type: none"> • 60 Hz — default • 50 Hz
<p><i>Power Down Delay</i></p> <p>Sets the time interval after which the unit powers off if no patient connection is detected.</p>	<ul style="list-style-type: none"> • 5 minutes • 10 minutes — default • 15 minutes • 20 minutes • 30 minutes
<p><i>Audio Volume</i></p> <p>Sets the volume level for voice messages and tones.</p>	<ul style="list-style-type: none"> • High — default • Medium • Low
<p><i>Number of Patient Records</i></p> <p>Sets the number of patients for whom information will be stored in nonvolatile flash memory.</p>	<ul style="list-style-type: none"> • 1 • 2 • 3 • 4 — default
<p><i>Audio Recording Enabled</i></p> <p>Enables the use of the Audio Recording Option (requires the installation of an internal microphone when the AED Pro unit is manufactured).</p> <p>Note: You must set the Number of Patient Records to 1 before you can enable the Audio Recording Option.</p>	<ul style="list-style-type: none"> • Disabled — default • Enabled NOTE: Requires immediate download or card swap
<p><i>Monthly Test</i></p> <p>When checked (On), the unit performs a monthly full-energy self-test (120 joules).</p>	<ul style="list-style-type: none"> • On — default • Off
<p><i>Daylight Savings</i></p> <p>Allows the AED Pro's 24-hour clock to automatically adjust for Daylight Savings Time.</p>	<ul style="list-style-type: none"> • Manual — default • US Pre-2007 • US • EU • EU Southern Hemisphere
<p><i>Number of Shocks</i></p> <p>Sets the number of shocks in the shock sequence to 1, 2, or 3 shocks.</p>	<ul style="list-style-type: none"> • 1 Shock — default • 2 Shocks • 3 Shocks

Shock Energy Level and Charging	
<p><i>Adult First Shock Energy</i></p> <p>Sets the energy level in joules for the first shock for an adult patient.</p>	<ul style="list-style-type: none"> • 120 J — default • 150 J • 200 J
<p><i>Adult Second Shock Energy</i></p> <p>Note: This value cannot be less than the value selected for the first adult shock.</p>	<ul style="list-style-type: none"> • 120 J • 150 J — default • 200 J
<p><i>Adult Third Shock Energy</i></p> <p>Note: This value cannot be less than the value selected for the second adult shock.</p>	<ul style="list-style-type: none"> • 120 J • 150 J • 200 J — default
<p><i>Pediatric First Shock Energy</i></p> <p>Sets the energy level in joules for the first shock for a pediatric patient.</p>	<ul style="list-style-type: none"> • 50 J — default • 70 J • 85 J
<p><i>Pediatric Second Shock Energy</i></p> <p>Note: This value cannot be less than the value selected for the first pediatric shock.</p>	<ul style="list-style-type: none"> • 50 J • 70 J — default • 85 J
<p><i>Pediatric Third Shock Energy</i></p> <p>Note: This value cannot be less than the value selected for the second pediatric shock.</p>	<ul style="list-style-type: none"> • 50 J • 70 J • 85 J — default
<p><i>Enable Lay Rescuer</i></p> <p>When this option is checked (On), the unit issues the following voice and text prompts after completion of the power-on self-test and entry into clinical mode:</p> <p style="text-align: center;"><i>STAY CALM CALL FOR HELP</i></p>	<ul style="list-style-type: none"> • Off — default • On
<p><i>Jump to Analysis</i></p> <p>When this option is checked (On), the unit immediately begins ECG analysis when pads are attached to the patient, except during CPR periods.</p> <p>Note: The Start with CPR option, if also checked (On), overrides this setting.</p>	<ul style="list-style-type: none"> • On — default • Off
<p><i>Unit OK</i></p> <p>When this option is checked (On), the unit issues the message <i>Unit OK</i> after a successful power-on self-test.</p>	<ul style="list-style-type: none"> • On • Off — default

Clinical Protocol Voice Prompts	
<p><i>Breathing</i></p> <p>Allows you to select a check breathing prompt, based on the guidelines you want to follow.</p> <p>When disabled (Off), these prompts are not issued.</p>	<ul style="list-style-type: none"> • OFF — default • Open Airway, Check Breathing, Give Two Breaths • Open Airway, Check Breathing • Give Two Breaths
<p><i>Breathing Prompt Delay</i></p> <p>Sets the period over which the unit issues the check breathing prompts.</p>	<ul style="list-style-type: none"> • 2 seconds • 4 seconds • 6 seconds — default • 9 seconds • 15 seconds • 20 seconds
<p><i>Responsiveness/Patient</i></p> <p>Selects the wording for this prompt.</p>	<ul style="list-style-type: none"> • OFF — default • Check Responsiveness • Check Patient
<p><i>Responsiveness/Patient Prompt Delay</i></p> <p>Sets the duration before the next prompt or disables this prompt.</p>	<ul style="list-style-type: none"> • 2 seconds • 4 seconds — default • 6 seconds • 8 seconds
<p><i>Circulation/Pulse</i></p> <p>Selects the wording for this and related prompts.</p>	<ul style="list-style-type: none"> • OFF — default • Check Circulation • Check Pulse
<p><i>Circulation/Pulse Prompt Delay</i></p> <p>Sets the duration before the next prompt or disables this prompt.</p>	<ul style="list-style-type: none"> • 2 seconds • 5 seconds • 7 seconds • 10 seconds — default • 15 seconds • 20 seconds
<p><i>Press Treatment/Shock</i></p> <p>Selects the wording for this and related prompts.</p>	<ul style="list-style-type: none"> • Press Flashing Treatment Button • Press Flashing Shock Button — default

CPR	
<p><i>CPR Monitoring</i></p> <p>When this option is checked (On) and CPR-D pads or CPR stat pads are attached, the unit performs CPR monitoring and prompts the rescuer.</p>	<ul style="list-style-type: none"> • On — default • Off
<p><i>No-Shock CPR Period</i></p> <p>Sets the duration of the CPR period following a no-shock result for the first analysis in a stack.</p> <p>When you select Extended, the device remains in the CPR state indefinitely and displays the ANALYZE softkey. You must press the ANALYZE softkey to move to analysis.</p>	<ul style="list-style-type: none"> • 30 seconds • 60 seconds • 90 seconds • 120 seconds — default • 150 seconds • 180 seconds • Extended
<p><i>Cycle through CPR</i></p> <p>When this option is checked (On) and pads are detached from the patient for more than one and one-half minutes, the unit prompts the rescuer to perform CPR.</p>	<ul style="list-style-type: none"> • On — default • Off
<p><i>Post-Shock CPR Period</i></p> <p>Sets the duration of the CPR period following the delivery of one or more shocks.</p> <p>When you select Extended, the device remains in the CPR state indefinitely and displays the ANALYZE softkey. You must press the ANALYZE softkey to move to analysis.</p>	<ul style="list-style-type: none"> • 30 seconds • 60 seconds • 90 seconds • 120 seconds — default • 150 seconds • 180 seconds • Extended
<p><i>Start with CPR (Semiautomatic Mode only)</i></p> <p>When this option is checked (On), before beginning ECG analysis, the unit prompts the rescuer to check the patient's pulse and perform a period of CPR if no pulse is detected.</p>	<ul style="list-style-type: none"> • On NOTE: This will officially take effect with new Pit Crew to be released in 2015. Acceptable for immediate implementation. • Off — default
<p><i>Start with CPR Period</i></p> <p>Sets the duration of the CPR period associated with the <i>Start with CPR</i> option.</p> <p>When you select Extended, the device remains in the CPR state indefinitely and displays the ANALYZE softkey. You must press the ANALYZE softkey to move to analysis</p>	<ul style="list-style-type: none"> • 30 seconds • 60 seconds • 90 seconds • 120 seconds — default • 150 seconds • 180 seconds • Extended
<p><i>Analyze Key</i></p> <p>Enables or disables the ANALYZE softkey during the Post Shock and Post No Shock CPR periods. If the ANALYZE softkey is enabled, it appears during both the Post Shock and Post No Shock CPR periods.</p>	<ul style="list-style-type: none"> • On • Off — default
<p><i>Fully Release</i></p> <p>When checked (On), this text prompt reminds the rescuer to lift the hands off the chest during CPR to allow full recoil.</p>	<ul style="list-style-type: none"> • On • Off — default

CPR Prompts	
<i>Start with CPR Period</i>	
<p><i>Start CPR</i></p> <p>At the beginning of the first CPR period, if Start with CPR Period is enabled, the AED Pro issues one of the voice and text prompts shown in the next column.</p>	<ul style="list-style-type: none"> • Open Airway, Check Breathing, Check Pulse, If no Pulse Start CPR • Open Airway, Check Breathing, Check Circulation, If No Circulation Start CPR • Start CPR - default • Start Compressions • If no Pulse, Start Compressions • If no Circulation, Start Compressions
<p><i>Continue CPR</i></p> <p>When you select one of the prompts in the Possible Values column, that prompt will be repeated once every 10 seconds (default) during the CPR period if compression stops while in the CPR state</p> <p>When this option is set to Off, no prompts will be issued.</p>	<ul style="list-style-type: none"> • OFF — default • If no Circulation, Continue CPR • If no Pulse, Continue CPR • Continue CPR • Continue Compressions • If no Pulse, Continue Compressions • If no Circulation, Continue Compressions
<i>Post Shock CPR Period</i>	
<p><i>Start CPR</i></p> <p>At the beginning of the CPR period, after the ECG analysis, the AED Pro issues one of the voice and text prompts shown in the Possible Values column.</p>	<ul style="list-style-type: none"> • Open Airway, Check Breathing, Check Pulse, If no Pulse Start CPR • Open Airway, Check Breathing, Check Circulation, If No Circulation Start CPR • Start CPR — default • Start Compressions • If no Pulse, Start Compressions • If no Circulation, Start Compressions
<p><i>Continue CPR</i></p> <p>When you select one of the prompts in the Possible Values column, that prompt will be repeated once every 10 seconds (default) during the CPR period if compression stops while in the CPR state.</p> <p>When this option is set to Off, no prompts will be issued.</p>	<ul style="list-style-type: none"> • OFF — default • If no Circulation, Continue CPR • If no Pulse, Continue CPR • Continue CPR • Continue Compressions • If no Pulse, Continue Compressions • If no Circulation, Continue Compressions
<i>Delays</i>	
<p><i>Continue CPR Delay</i></p> <p>Allows you to set the interval between <i>Continue CPR</i> prompts.</p>	<ul style="list-style-type: none"> • 5 seconds • 10 seconds — default • 15 seconds
<p><i>Push Harder Delay</i></p> <p>Allows you to set the interval between <i>Push Harder</i> prompts.</p>	<ul style="list-style-type: none"> • 15 seconds — default • 20 seconds • 30 seconds

Audio and Text Prompts	
<p><i>Start CPR</i></p> <p>Allows you to select whether you want to both hear and view the <i>START CPR</i> prompt , or view it only.</p>	<ul style="list-style-type: none"> • Audio and Text — default • Text only
<p><i>Push Harder</i></p> <p>Allows you to select whether you want to both hear and view the <i>Push Harder</i> prompt , or view it only.</p>	<ul style="list-style-type: none"> • Audio and Text — default • Text only • OFF
<p><i>Good Compressions</i></p> <p>Allows you to select whether you want to both hear and view the <i>Good Compressions</i> prompt , or view it only.</p>	<ul style="list-style-type: none"> • Audio and Text — default • Text only • OFF
<p><i>Continue CPR</i></p> <p>Allows you to select whether you want to both hear and view the <i>Continue CPR</i> prompt , or view it only.</p>	<ul style="list-style-type: none"> • Audio and Text — default • Text only
<p><i>Stop CPR</i></p> <p>Allows you to select whether you want to both hear and view the <i>Stop CPR</i> prompt , or view it only.</p>	<ul style="list-style-type: none"> • Audio and Text — default • Text only
ECG	
<p><i>Display ECG Waveform</i></p> <p>When this option is checked (On), the unit displays the patient's ECG rhythm.</p>	<ul style="list-style-type: none"> • On — default • Off
<p><i>Monitor BW Filter Cutoff</i></p> <p>Selects the bandwidth filter to be used during ECG monitoring.</p>	<ul style="list-style-type: none"> • 1.35 – 22 Hz — default • 0.7 – 30 Hz
<p><i>ECG Analysis During CPR</i></p> <p>When this option is checked (On), background ECG analysis begins after the start of a CPR period. If a shockable rhythm is detected during a 12-second period in which CPR is not performed, the unit prompts the rescuer to stop CPR and stand clear. It then initiates ECG analysis.</p> <p>When this option is not checked (Off), the unit does not perform ECG analysis during CPR periods.</p>	<ul style="list-style-type: none"> • Off — default • On
<p><i>Use Analysis After</i></p> <p>When the <i>ECG Analysis During CPR</i> option is checked (On), this option specifies the number of seconds to delay background ECG analysis after a no-shock or post-shock CPR period begins.</p>	<ul style="list-style-type: none"> • 0 seconds — default • 15 seconds • 30 seconds • 45 seconds • 60 seconds • 120 seconds • 180 seconds
<p><i>See-Thru CPR</i></p> <p>When this option is checked (On), See-Thru CPR is enabled for the AED Pro (see page 4-5 for information on using See-Thru CPR.).</p>	<ul style="list-style-type: none"> • On • Off — default
<p><i>Archive ECG AF Data</i></p> <p>When this option is checked (On), the See-Thru CPR adaptive filter information will be saved.</p>	<ul style="list-style-type: none"> • On • Off — default

Monitoring	
<p><i>ECG Monitoring Modes</i></p> <p>When this option is checked (On), the unit switches to ECG monitoring mode when an ECG cable is attached or when the left softkey is pressed and held for at least 5 seconds in semiautomatic mode.</p> <p>When this option is not checked (Off), the unit does not support ECG monitoring mode. If an ECG cable is attached, the unit prompts the rescuer to plug in a defibrillation cable.</p>	<ul style="list-style-type: none"> • On — default • Off
<p><i>Display Heart Rate</i></p> <p>When this option is checked (On), the unit displays the patient heart rate in manual mode.</p>	<ul style="list-style-type: none"> • On — default • Off
<p><i>Low Heart Rate Limit</i></p> <p>In manual or ECG monitoring mode, the unit issues the prompt <i>CHECK PATIENT</i> if the patient heart rate falls below this number of beats per minute.</p>	<ul style="list-style-type: none"> • 0 • 30 — default • 35 • 45 • 50 • 55 • 60 • 65 • 75 • 80 • 85 • 90 • 100
Patient Impedance	
<p><i>Archive Patient Impedance</i></p> <p>Enables or disables the archiving of patient impedance data.</p>	<ul style="list-style-type: none"> • On — default • Off

The configuration information contained in this document is based on the ZOLL AED Pro Operator's Guide, Rev. J, produced by ZOLL Medical Corporation.