

AED Plus[®] Upgrade for ERC 2010 Guidelines

FREQUENTLY ASKED QUESTIONS

How can I upgrade my old AED Plus to comply with the ERC 2010 Guidelines?

The simplest way to upgrade your AED Plus is to download the latest version of ZOLL Administrative Software (ZAS v6.24) at www.zoll.com/AEDPlusUpgrade. This download will deliver a zipped folder to your PC. Open it and run the application called "AEDPlusSoftwareUpgradeSetup." This will install ZAS v6.24 on your PC and will then put an icon called "ZAS Upgrade Wizard" on your desktop. Opening this icon will run the "Upgrade Wizard" which will take control of ZAS v6.24 and use it to upgrade your AED Plus.

Do I need to supply any information to download ZAS from the web?

Yes. You will have to register your name, address, email, etc. And you will have to supply a valid serial number from an AED Plus you intend to upgrade.

Is there another way to install ZAS v6.24 on my PC?

Yes. If you wish, you can purchase a CD version of ZAS v6.24 by ordering ZOLL part number 7771-000013-01 from ZOLL Customer Service. Price: \$10US plus a \$7.00 shipping charge for US orders.

Can the web page accept orders from outside the United States, and if so, what are the shipping charges?

Yes, international orders are accepted and the shipping rates are as follows:

- Canada – \$15.00
- Europe/Asia (zone 401) – \$35.00
- Mexico (zone 484) – \$40.00
- Central/South America (zone 406) – \$40.00

Is there a difference between the downloaded version of ZAS 6.24 and the CD version?

Not really. Using the CD version may be easier in your PC environment – particularly if you have a high security system that prevents complete installation of ZAS v6.24. In most cases, if you have this problem, running the Upgrade Wizard and ZAS directly from your CD drive will allow you to proceed without violating your systems security. In general, you should only buy the CD version if you experience difficulty with the downloaded version.

Other than upgrading the software on my AED Plus, is there anything else I need to do to my AED Plus?

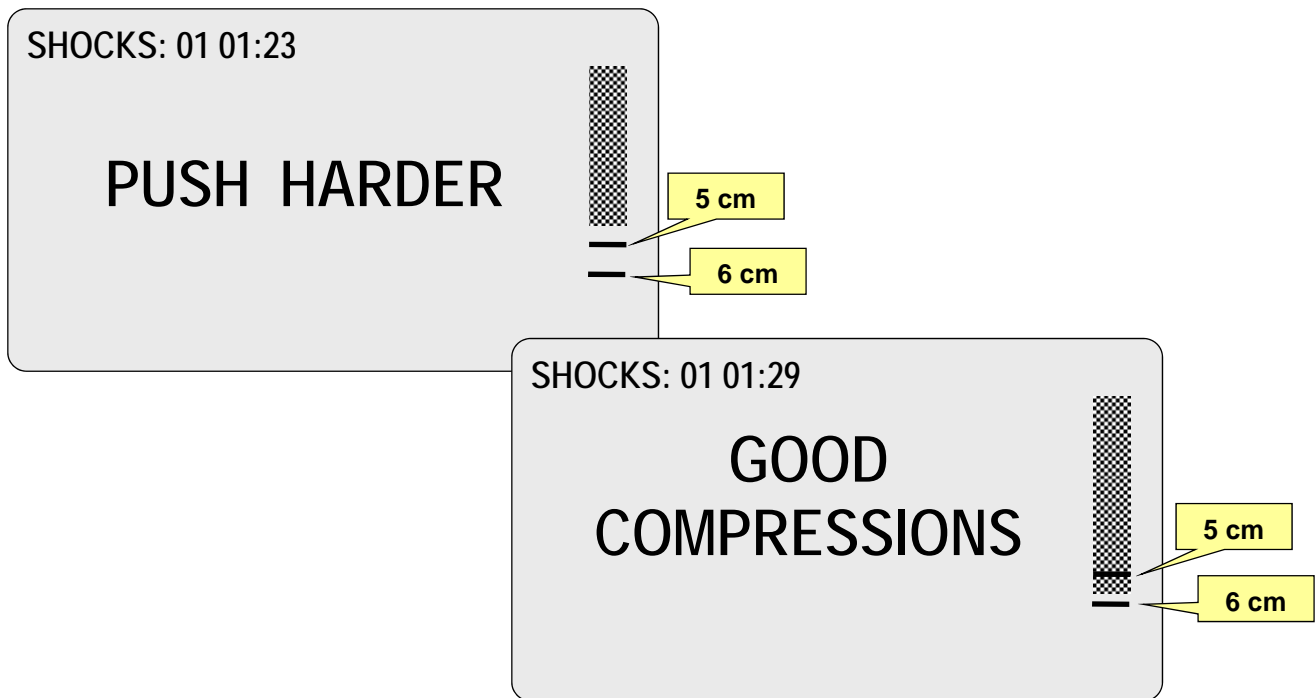
Not for an AED Plus you want to be compatible with ERC 2010 Guidelines. The prompts and the icons used prior to the first heart analysis did not change for the ERC. Once your software is upgraded, you have completed the upgrade process. (This is not so, however, for the AHA 2010 Guidelines, where the OPEN AIRWAY and CHECK BREATHING prompts and icon are no longer used prior to the first heart analysis.)

Are more detailed instructions available with ZAS v6.24 and the ZAS Upgrade Wizard?

Yes. Instructions for how to install ZAS v6.24 and how to use it to upgrade an AED Plus are available as documents in the folder you download from the web. The same documentation for how to perform an upgrade is also available on the CD version of ZAS v6.24.

What changes will the ZAS Upgrade Wizard install on my AED Plus?

The most important change introduced in 6.24 is the change to deeper compressions. The CPR “bar gauge” and the prompting for PUSH HARDER and GOOD COMPRESSIONS have been changed so that a good compression must now be at least a full 5 cm deep, and no longer 4 to 5 cm. (See display screens below. Note the new half-tone patterned bar that does not obscure the indicator lines.)



According to the 2010 ERC Guidelines, high-quality CPR calls for chest compressions that are at least 5 cm deep, but then goes on to say, “There is no direct evidence that damage from chest compression is related to compression depth, nor has an upper limit of compression depth been established in studies. Nevertheless, it is recommended that, even in large adults, chest compression depth should not exceed 6 cm.” [Resuscitation 81(2010) pg. 1283.]

The upper indicator line on the bar gauge represents 5 cm and the lower indicator line represents 6 cm. A good compression, according to the ERC, would fall between the two indicator lines.

Will ZAS v6.24 make any other changes to my AED Plus?

Yes. Three other things will change.

[1] The “lay prompts” that are given prior to detecting any patient impedance from the electrodes (“STAY CALM, CHECK RESPONSIVENESS, CALL FOR HELP”) will only be stated once. All previous versions of the AED Plus gave these prompts twice.

[2] To improve the help provided by Real CPR Help[®] over the full two-minute interval of CPR, the possible repetition of the PUSH HARDER and GOOD COMPRESSIONS prompts will re-set every 30 seconds. This means that Real CPR Help is no longer limited to saying “PUSH HARDER, PUSH HARDER, GOOD COMPRESSIONS” only once during the two minute interval. These same prompts can now be given every 15 seconds. It is still the case, however, that if all compressions are good, no prompts will be given.

[3] Because the AHA 2010 Guidelines recommend that interruptions be minimal, the prompts to “START CPR” and “CONTINUE CPR” are now repeated every 10 seconds rather than every 15 seconds.

Can I also order an infrared (IrDA) port from ZOLL?

Yes. IrDA ports can be ordered from the web page (www.zoll.com/AEDPlusUpgrade) with a credit card, and are also available to customers with a registered ZOLL customer number from Customer Service. Order ZOLL P/N 8000-1200.

Does it matter how old my AED Plus is? Or how long it has been since its software was upgraded?

No. ZAS v6.24 is capable of upgrading even the first AED Plus software we ever sold, and every one sold since.

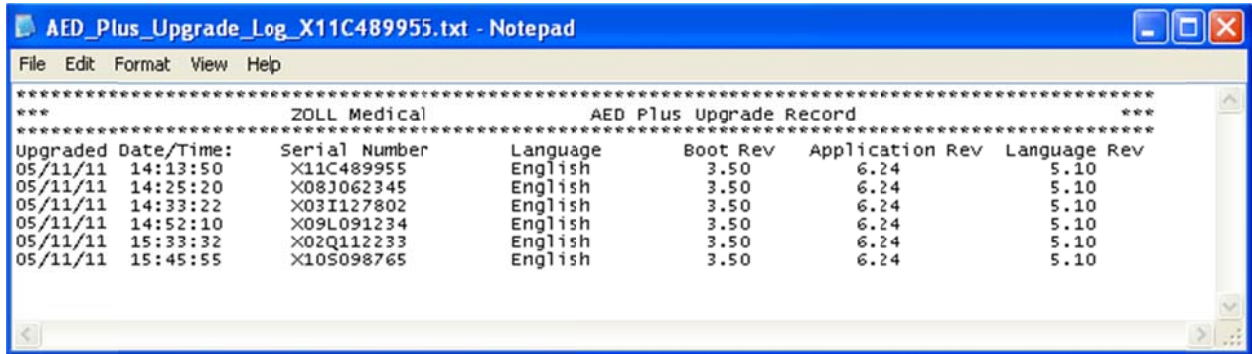
How can I tell what level of software is running on my AED Plus?

Run a manual self-test by holding down the on-off button for more than 7 seconds. When the test is complete, the display screen will present a series of numbers. The number that follows the letter “P” indicates the current level of software. If the “P” number is “6.24” then your AED Plus has been upgraded to comply with the 2010 AHA Guidelines.

Should I register my upgrade with ZOLL once it is complete?

Yes. When you have updated all of your AEDs, you can use the log file left on your desktop by ZAS 6.24 to submit your upgrade information to ZOLL confirming the device upgrades. This log contains basic information, including serial numbers, of all AED Plus units you have upgraded.

Here is an example:



When your upgrade(s) is completed, you should:

- Submit the serial number information online at: www.zoll.com/upgrade
- Or attach the log to an email and send it to: upgrades@zoll.com.
- Or Fax a copy to: 978-421-0010.

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