

Which programming Mode to use.

HARDWARE and SOFTWARE Modes: There are two ways to upgrade your firmware. They are called HARDWARE mode and SOFTWARE mode. All gauges can be upgraded using HARDWARE mode, however, this requires removing the bottom endcap and using a 0.1 inch jumper plug. The SOFTWARE mode upgrade can be done without the jumper or removing the endcap, but this approach requires that the firmware currently in your gauge have this capability. In other words, if your firmware version is before a certain version, you will have to upgrade using the HARDWARE mode. Once you have upgraded, further upgrades can be performed using SOFTWARE mode.

The easiest way to tell if your firmware version supports SOFTWARE mode is to hold down the MENU key and press the power button. If the gauge displays the message, "UPGRADING FIRMWARE" when you do this, you can use the SOFTWARE programming mode. (Note, it's OK to turn off the power while this screen is displayed, as long as you haven't started the upgrade procedure.) Please see the document [HowToFlashSoftware.pdf](#) for directions on the steps involved to upgrade using the SOFTWARE mode.

If the "UPGRADING FIRMWARE" screen does not appear and the gauge turns on normally, then you must use the HARDWARE mode. Please see the document [HowToFlashHardware.pdf](#) for directions on the steps involved to upgrade using the HARDWARE mode.