

The firmware comes in two parts.

Firmware Version / Maintenance Version

e.g.

1.10.8.0 / 1.10.8.0

Firmware Update:

The left side (Firmware Version) is updated via the sysupgrade file.

This firmware contains the user interface, applications, operating system, SSH, etc.

The xxxx_firmware_1.10.x.0.sysupgrade file is used to update the firmware through the Upload Firmware menu option.

Instructions for updating are on the specific firmware download page.

<https://www.digital-loggers.com/afwup.html>

Maintenance Update:

The right-side firmware (.avr or .core) contains the hardware control system, LCD, keypad, GPIO, etc.

The right-side firmware is updated less frequently than the application/system firmware.

If the Maintenance Version is currently 1.7.26.0 or lower, there is a new boot loader, so we need to update using the core file.

Maintenance file naming convention:

.avr = Update AVR and maintenance files

.core = Update AVR and maintenance files, plus bootloader (last updated in 1.7.27.0)

update_x.x.x.x_forcereset.yyy = reset the AVR (causing power-cycle) after the update to force the changes to take effect.

Maintenance update complete instructions: https://www.digital-loggers.com/update_core.html

If the Maintenance Version (right side) firmware is 1.7.27.0 or higher, you can use one of the .avr files. update_x.x.x.x.avr should not reset the outlets, but there is a chance that the update may not show as successful.

update_x.x.x.x_forcereset.avr version WILL reset any ON outlets, but the update is assured.

If you try the non forcereset version, and after the update you don't see that the Maintenance Version has changed, logout and login again. Then recheck the right-side version.

It's possible that it may still be updated and will show the new version after a power cycle. Or, you may use the forcereset version to "force" the issue.

Either of the "forcereset" files WILL reset the outlets.

From the menu, select Support.

More complete instructions: https://www.digital-loggers.com/update_avr.html

If the settings are protected, reset the protection.

Press the reset button near the RJ-45 Ethernet connector and wait about 5 seconds.

You will hear a beep and arrive at the reset menu. You can use the Up/Down arrows to select the kind of reset. The default is "Clear Lock Bits: Clear protection bits only", which is what you want. Press the cycle button.