

Proteus PRO Firmware Upgrade Guide

Sensor settings

This document guides you to install a firmware patch or upgrade to your websensor unit.

System Requirements

- A windows or MAC Computer
- Firmware File (.bin)
- Bossac Programmer
- Micro USB Cable

Let's get started.

- Download the .bin file to your computer
- Download Bossac to your computer. For windows version, the file is called bossac.exe. For safety reasons, this file may have been sent to you with a different extension such as .fxe or .bin. If this is the case, please rename it to .exe extension. For MACs, the file just comes in as bossac
- Open a terminal and move to the directory where you have the above files downloaded using cd command
- Then issue the following firmware update command

For Windows:

```
bossac.exe -U false -e -w -b PRm.n.x-XXX-XXX.bin -R
```

For Mac:

```
./bossac -U false -e -w -b PRm.n.x-XXX-XXX.bin -R
```

Possible Issues

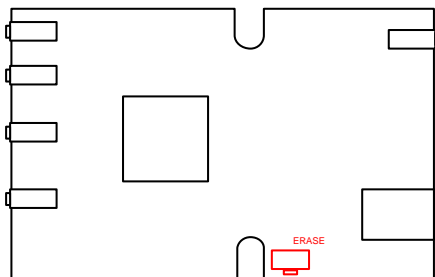
- Device Not found?

IF you get an error message that says device not found, please try unplugging the unit from power and plugging it back again

- Flash Locked?

In some cases, the upgrade fuse of the main processor may get locked and you might get an error message saying Flash is locked. If this is the case, you will need to perform a bit of a hack.

1. Remove the top cover of the unit by taking out the two screws on the bottom.
2. Locate a push button that says "Erase" as shown below.
3. Press this button while the unit is powered up.
4. Unplug power, and after few seconds, power it back up.
5. Now issue the firmware update command.



- Sensors not showing?

In some cases, after the update you may find that some sensors do not appear on the web interface. If this happens, please go to <http://ip-address/factory.htm> page and you can enable those sensors there.

Further Assistance

If the update command did not work, please contact support for further assistance.

After the update

After the update, your sensor boots up in factory default mode and your settings will likely be lost. Please make sure to reconfigure the unit with the required settings updates using the web interface.

Additional Documentation

<https://proteussensor.com/downloads.html>