

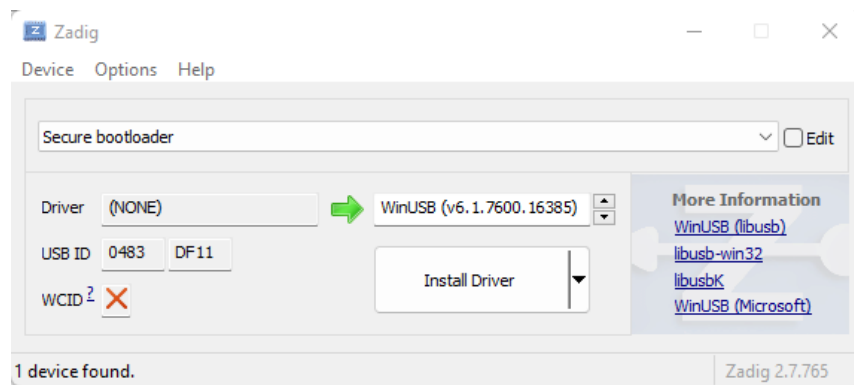
1. PMG-2 FIRMWARE UPDATE GUIDE FOR VERSIONS 4.XX

1.1. Starting the PMG-2 in firmware update mode

To start the PMG-2 in firmware update mode, power on the device, and immediately after power-on, press the button “3”. After a second or two, the device switches to an update mode. Then connect the USB cable to a PC, and the PMG-2 USB connection should be recognized by the Windows. However, Windows most probably does not recognize drivers for the PMG-2 in this state, and they need to be installed.

1.2. Driver installation

Drivers can be installed by the utility “zadig.” Before driver installation, the previous step must be done, and the PMG-2 must be connected to the PC. To install the Driver, please run the “zadig” utility program. Its window should look like this:



If the window looks like the above, press Install Driver, and after installation, close the program window.

If the drop-down menu under the options menu is void, please click in the Options menu and select List All Device. Then, in the drop-down menu, select “Secure bootloader.” Finally, if the big button shows Replace Driver, click on it to install the correct Driver; otherwise, you can close the Zadig application.

1.3. Firmware update

To start a firmware update, double click on the “update.bat” file to run it. This will start the firmware update. After a successful firmware update, the output window should look like this:

```
CA\WINDOWS\system32\cmd.exe

e:\Programs\FWUP>echo off
Starting device firmware update
dfu-util 0.10

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Warning: Invalid DFU suffix signature
A valid DFU suffix will be required in a future dfu-util release!!!
Match vendor ID from file: 0000
Match product ID from file: 0000
Opening DFU capable USB device...
ID 0483:df11
Run-time device DFU version 0110
Claiming USB DFU Interface...
Setting Alternate Setting #0 ...
Determining device status: state = dfuIDLE, status = 0
dfuIDLE, continuing
DFU mode device DFU version 0110
Device returned transfer size 128
Copying data from PC to DFU device
Download [=====] 100% 636432 bytes
Download done.
state(6) = dfuMANIFEST-SYNC, status(0) = No error condition is present
state(2) = dfuIDLE, status(0) = No error condition is present
Done!
dfu-util 0.10

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Opening DFU capable USB device...
ID 0483:df11
Run-time device DFU version 0110
Claiming USB DFU Interface...
Setting Alternate Setting #0 ...
Determining device status: state = dfuIDLE, status = 0
dfuIDLE, continuing
DFU mode device DFU version 0110
Device returned transfer size 128
End of firmware update done
Press any key to continue . . .
```

You can reconnect the USB cable and rerun the update.bat file if something goes wrong.

1.4. Troubleshooting

If something goes wrong, please send an e-mail to info@satisgeo.com with the screenshot of the updater output.