

Firmware install with Windows 7

Step 1. Go to our website www.midnitesolar.com and Left Click on Software.

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MidNite Solar's POWERTime With John Educational/Training Videos

MidNite Solar Operations If you ever wondered about how things are made here at MidNite Solar, checkout this 1 hour video on what we do. Plant Operations

BoB Gurdgel

TESTIMONIALS See what people are saying. Check it out!

The MidNite Forums

Come check out Our MidNite Solar Forums. Talk about our new PowerTime videos. How about our Classic local app? Or any of our other popular products!

Discuss them here with other users and us, including Jim Parish, Roy Butler (Resident Wind guru), Raechel Clewley and Ryan Stankevitz, the moderator. Jim, Roy and Ryan are professional Solar and

Product Search Search.....

CUSTOMER SUPPORT TICKET SYSTEM

MIDNITE SUPPORT CENTER SUPPORT TICKET SYSTEM

MidNite is now putting in place a new Customer Support Ticket System. The Support Ticket application allows you to submit a ticket request and track the ticket through to resolution. To try our new system follow this link: <http://www.midnitehelp.com>

MIDNITE KID VS. MORNINGSTAR PROSTAR MPPT

We have recently learned from concerned dealers that Morningstar has released a comparison between their Morningstar ProStar MPPT and the MidNite KID. We took the time to read their comparison for ourselves and, like our customers, had some concerns regarding the comparison. While we understand that good competition encourages better products, we feel that there are some facts that were missed by Morningstar's comparison.

We have taken the time to do our own evaluation of the MidNite Kid and the Morningstar PS-MPPT. In Our Evaluation we have taken the specs and features line by line that Morningstar used as the basis of their comparison and given you our findings as well as additional information that without, seems to unduly skew the results of their comparison.

In the interest of fairness we wanted to have links to both Morningstar's Comparison and Our Evaluation below. Unfortunately when checking the link to Morningstar's Comparison, we have discovered that

Step 2. Left Click on "Classic, Classic SL & Classic Lite charge controllers"

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OMG!
You DIDN'T use a MidNite Solar Surge Protection Device?
I'm so sorry!
See all our models at www.midnitesolar.com and GET PROTECTED.

Firmware

Click the product below to download firmware.

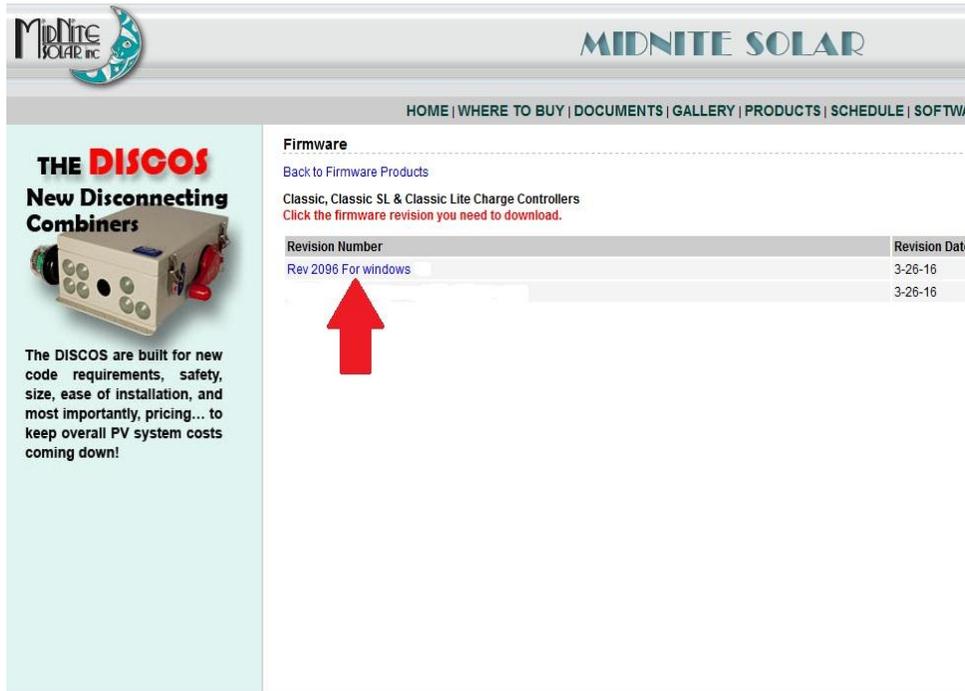
Product
Classic, Classic SL & Classic Lite Charge Controllers
Local Application Software
The "KID" charge controller
MidNite Solar MODBUS N...ications

Cloud based monitoring...
My MidNite is a free software application for monitoring your Classic(s) when you are away from home.

Monitoring and control software for Outback and Classic
We have some software that can be used by an individual who is not connected with MidNite. It basically allows you to monitor the status of your MidNite Classic Charge Controllers and the monitoring of two Conext XW Ir Status 4 Plus. Follow the link to download the software or learn more about it.
<http://www.n1gmn.com/Classics/Info.html>

NOTE: This third party software was developed using OutBack's information published as part of the AXS system. MidNite Solar makes no guarantee as to how it works in installations!

Step 3. Left click on the release you are looking for (Higher # is newer)



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THE DISCOS

New Disconnecting Combiners



The DISCOS are built for new code requirements, safety, size, ease of installation, and most importantly, pricing... to keep overall PV system costs coming down!

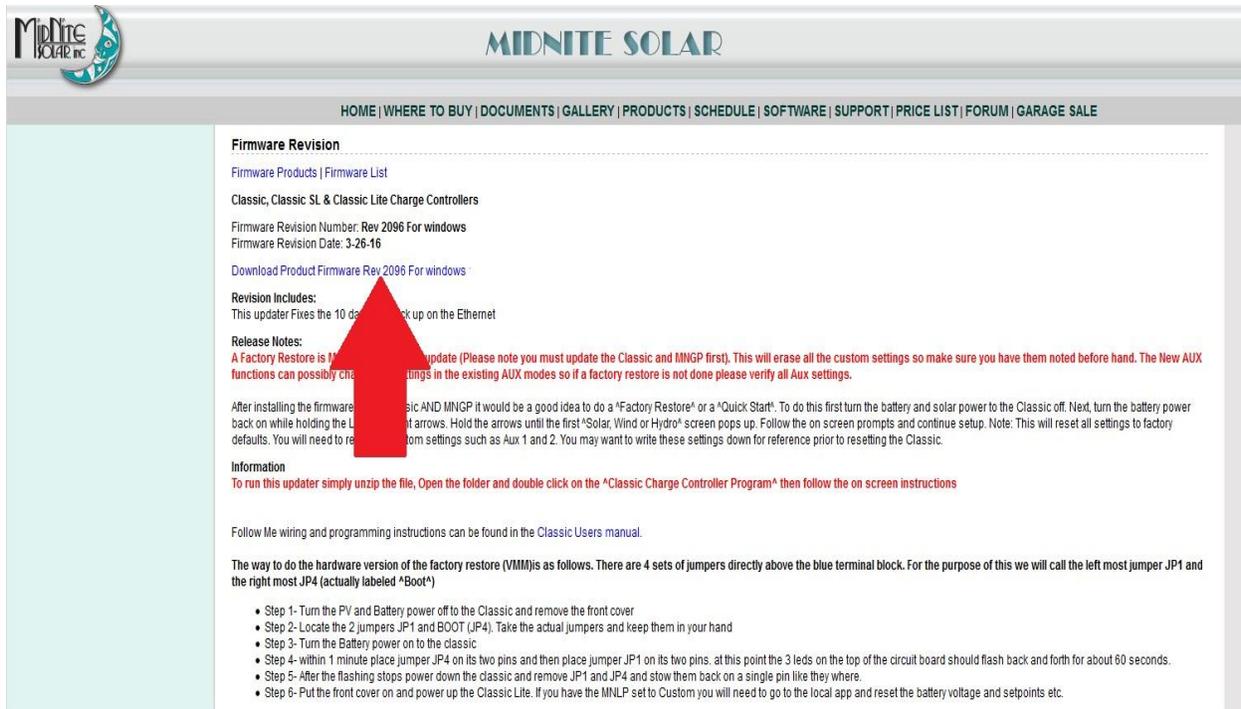
Firmware

[Back to Firmware Products](#)

Classic, Classic SL & Classic Lite Charge Controllers
Click the firmware revision you need to download.

Revision Number	Revision Date
Rev 2096 For windows	3-26-16
	3-26-16

Step 4. Left Click the download link



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Firmware Revision

[Firmware Products](#) | [Firmware List](#)

Classic, Classic SL & Classic Lite Charge Controllers

Firmware Revision Number: [Rev 2096 For windows](#)
Firmware Revision Date: 3-26-16

[Download Product Firmware Rev 2096 For windows](#)

Revision Includes:
This updater Fixes the 10 day lock up on the Ethernet

Release Notes:
A Factory Restore is required to update (Please note you must update the Classic and MNGP first). This will erase all the custom settings so make sure you have them noted before hand. The New AUX functions can possibly change settings in the existing AUX modes so if a factory restore is not done please verify all Aux settings.

After installing the firmware on the Classic AND MNGP it would be a good idea to do a "Factory Restore" or a "Quick Start". To do this first turn the battery and solar power to the Classic off. Next, turn the battery power back on while holding the L and R arrows. Hold the arrows until the first "Solar, Wind or Hydro" screen pops up. Follow the on screen prompts and continue setup. Note: This will reset all settings to factory defaults. You will need to re-enter custom settings such as Aux 1 and 2. You may want to write these settings down for reference prior to resetting the Classic.

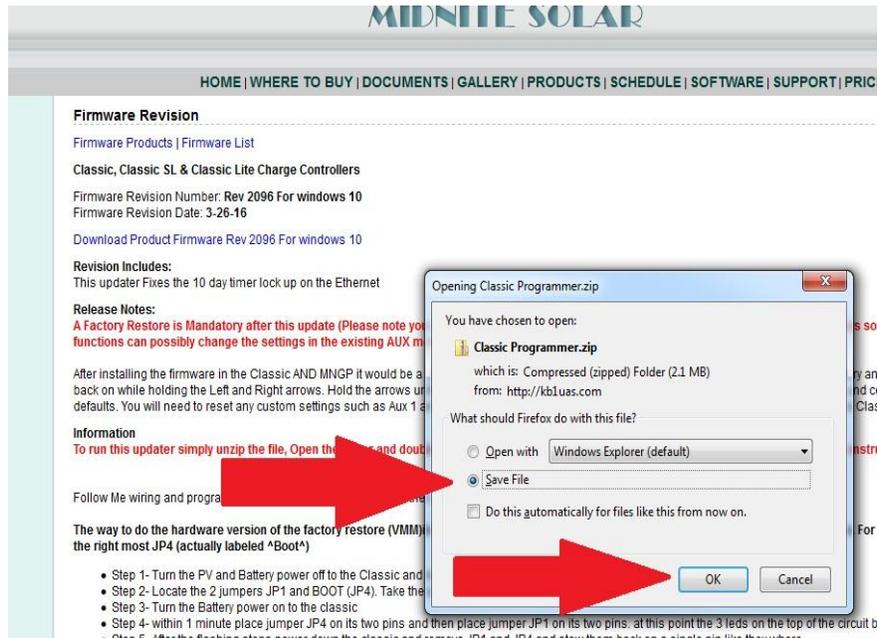
Information
To run this updater simply unzip the file, Open the folder and double click on the "Classic Charge Controller Program" then follow the on screen instructions

Follow Me wiring and programming instructions can be found in the Classic Users manual.

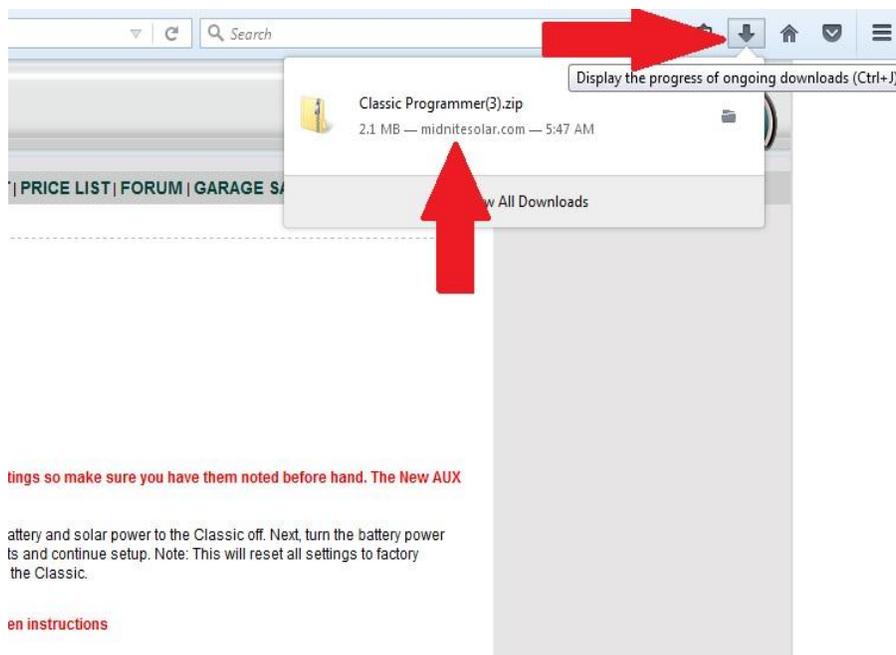
The way to do the hardware version of the factory restore (VMM) is as follows. There are 4 sets of jumpers directly above the blue terminal block. For the purpose of this we will call the left most jumper JP1 and the right most JP4 (actually labeled "Boot")

- Step 1- Turn the PV and Battery power off to the Classic and remove the front cover
- Step 2- Locate the 2 jumpers JP1 and BOOT (JP4). Take the actual jumpers and keep them in your hand
- Step 3- Turn the Battery power on to the classic
- Step 4- within 1 minute place jumper JP4 on its two pins and then place jumper JP1 on its two pins. at this point the 3 leds on the top of the circuit board should flash back and forth for about 60 seconds.
- Step 5- After the flashing stops power down the classic and remove JP1 and JP4 and stow them back on a single pin like they where.
- Step 6- Put the front cover on and power up the Classic Lite. If you have the MNL set to Custom you will need to go to the local app and reset the battery voltage and setpoints etc.

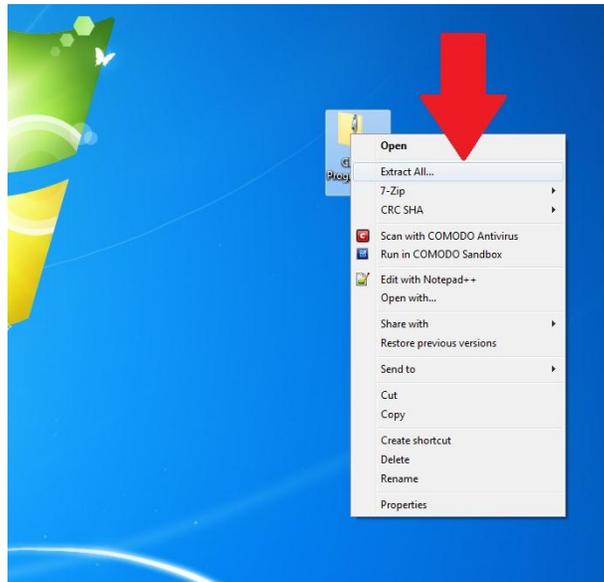
Step 5. Make sure "Save File" is selected and then click OK.



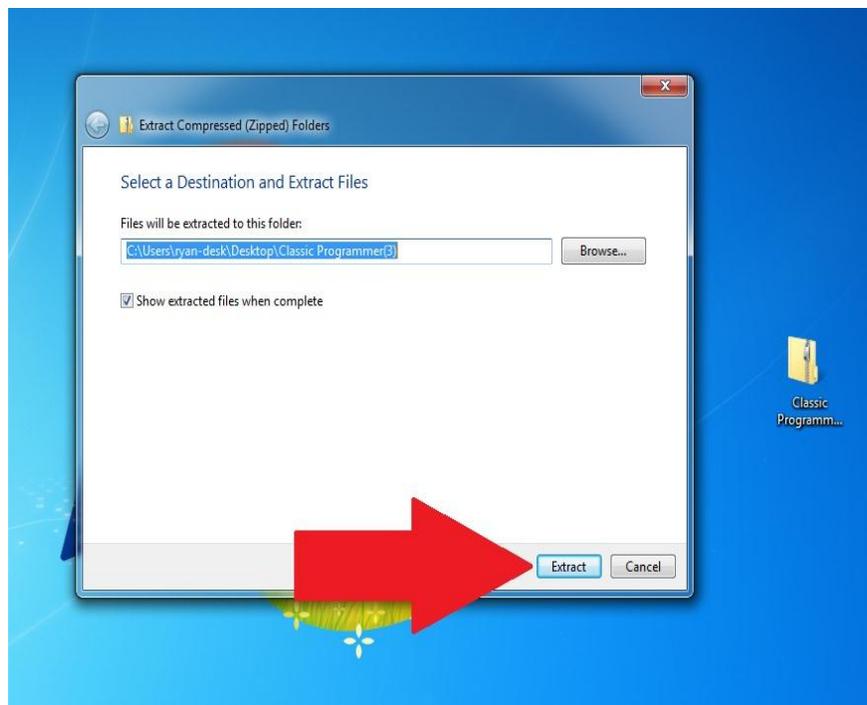
Step 6. Your browser may ask you where to save the file too, if it does save it to the desktop. Mozilla for example will save it to itself and will be accessible by clicking the download arrow then you can left click and drag the file to the desktop.



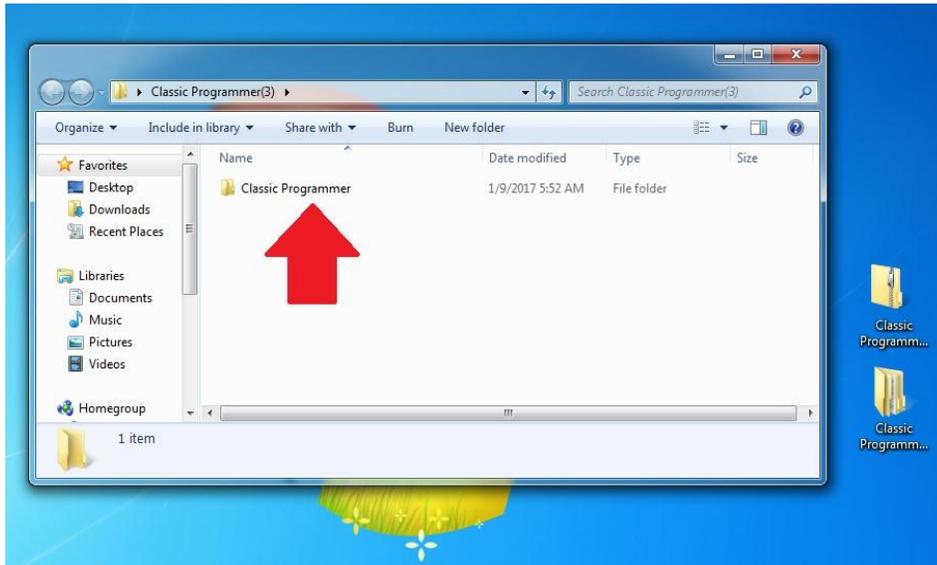
Step 7. Right click on the zipped file and left click on "Extract All"



Step 8. The path in the destination box should be fine by default it will save it to the desktop where the zipped file is. Left click "Extract"



Step 9. Double Left Click on “Classic programmer” when this window comes up



Step 10. We need to install the driver if this is the first time this PC has been used for updating . If this PC has been used for updating before skip to step xx now

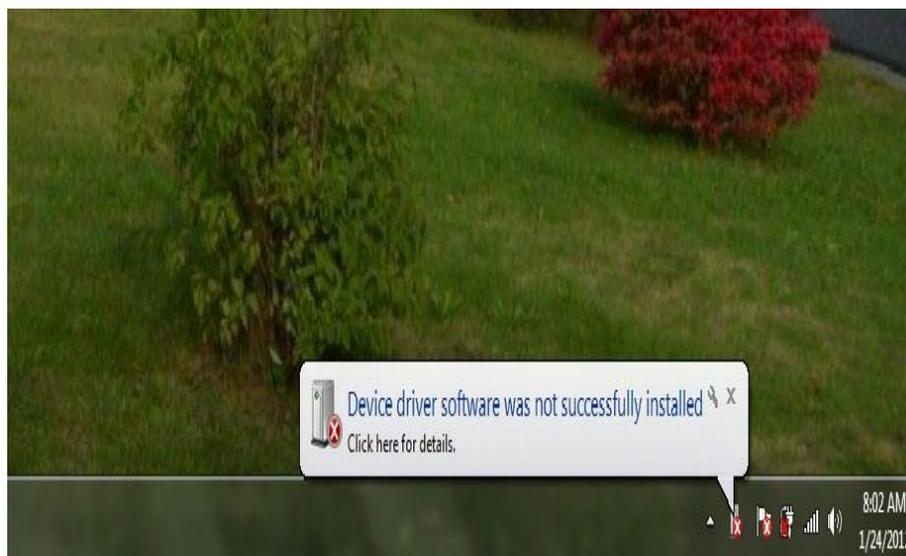
Step 11. You will now need to have the USB cable that came with the Classic and we will assume it is already plugged into the USB jack in the Classic. The jack is inside the Classic case beside the Ethernet jack and the Temperature sensor plug. If you need help with this stage please consult the owner’s manual. Please note the Display or MNGP "Front Cover" must stay plugged in. This can be accomplished by putting the cover back on with the top two screws only and gently snugging them down essentially pinching the USB cable between the two halves of the casting.



Step 12. With the power on to the Classic, plug the other end of the USB cable into the PC you are using to install firmware. This driver window will pop up telling you it is looking for the driver.



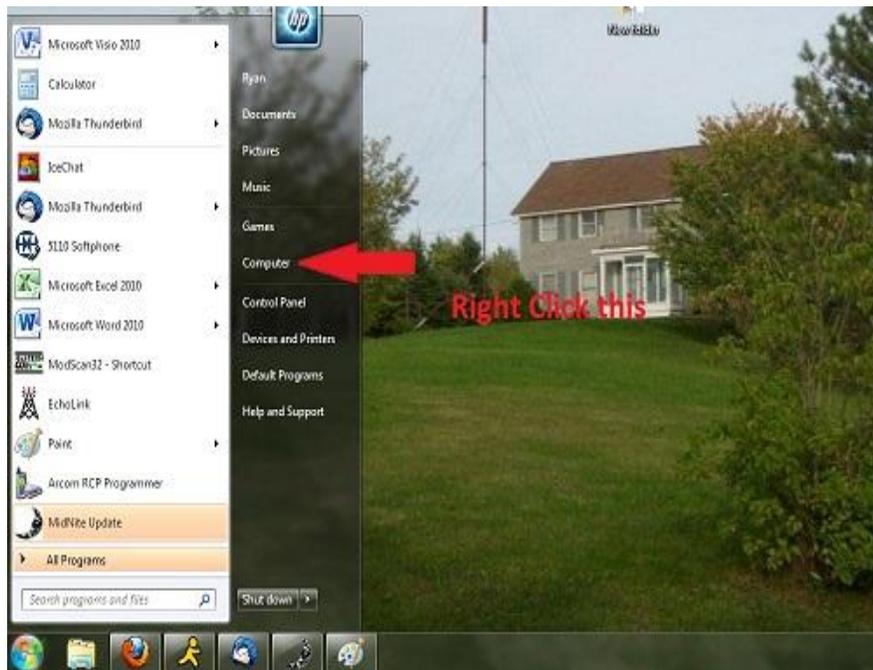
Step 13. Unfortunately Windows will not find it so wait for it to close and another warning will pop up saying the driver install failed.



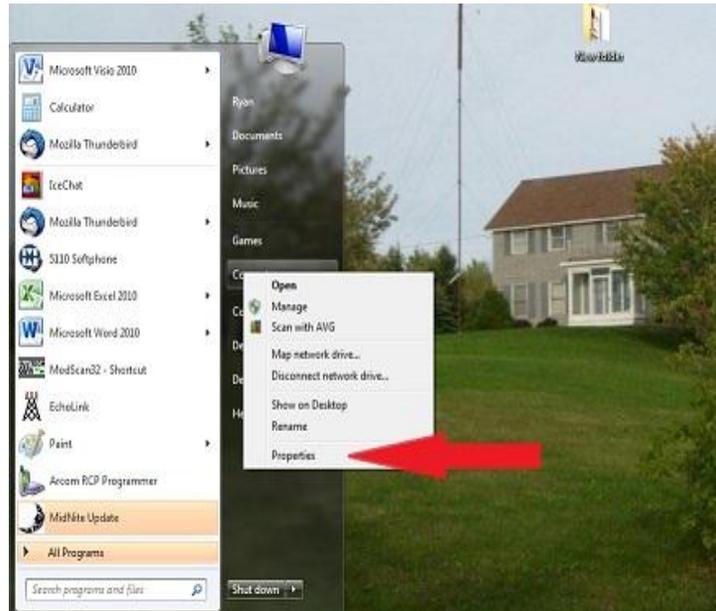
Step 14. We now need to go into the Device manager and install the driver . All of this is only required the very first time this PC is used for this. Left Click on the little Windows Start Menu Icon.



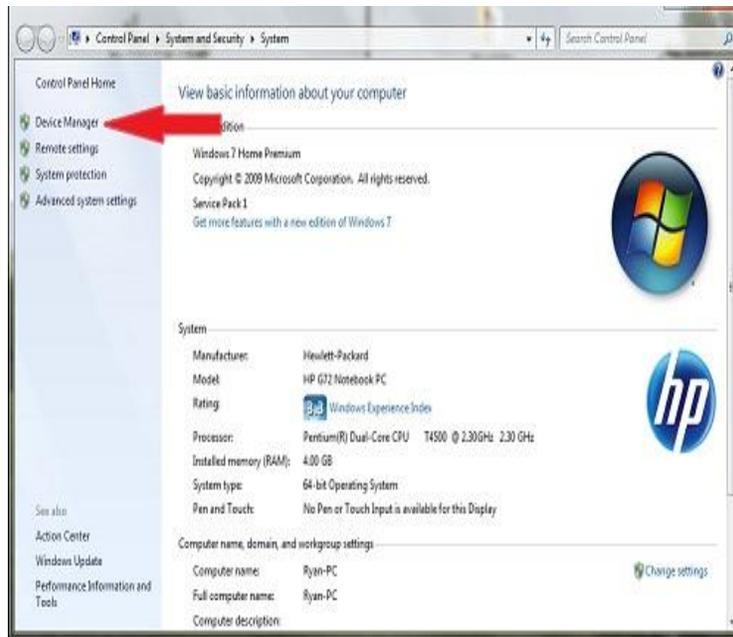
Step 15. Then Right Click on Computer.



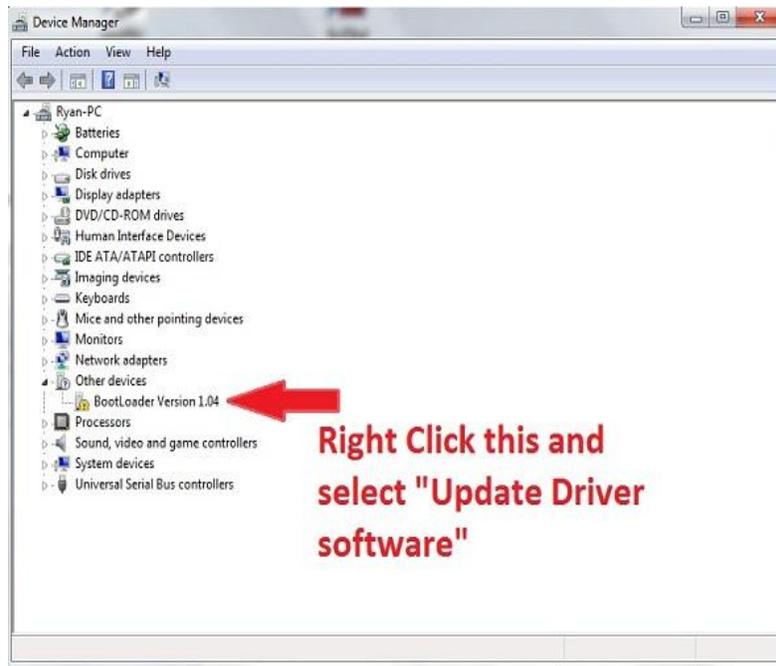
Step 16. Left Click on Properties.



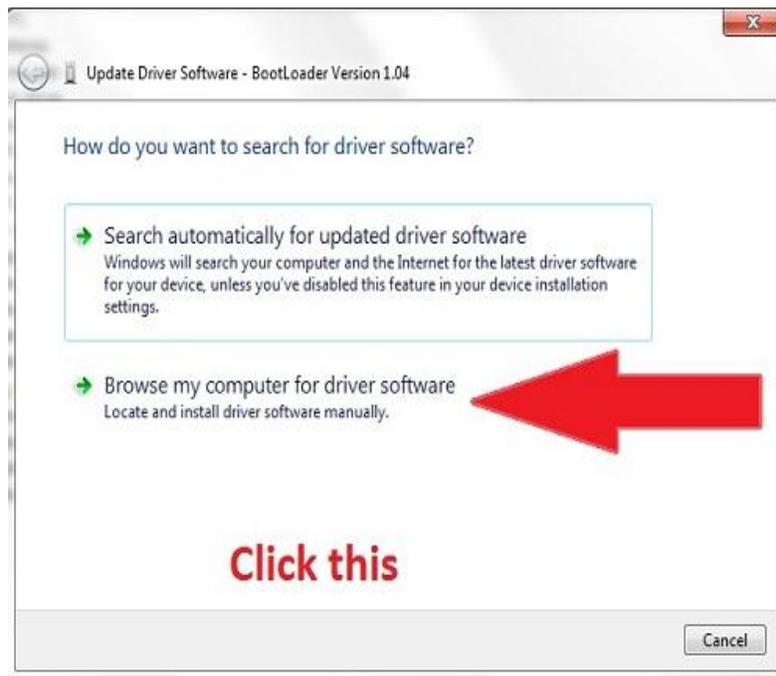
Step 17. Left Click on Device Manager.



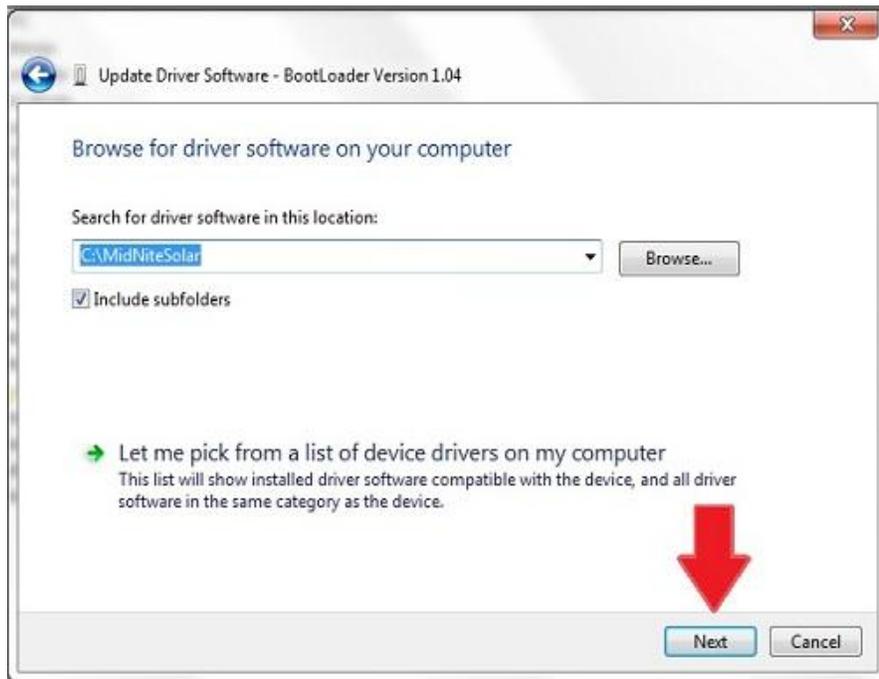
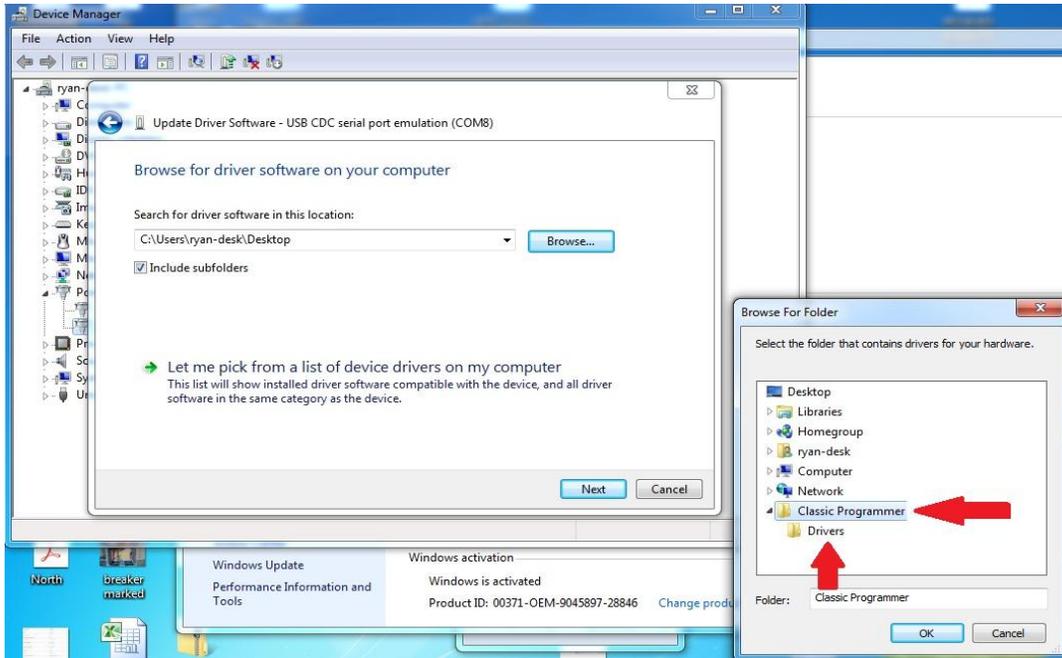
Step 18. We will need to find the Classic (BootLoader Version 1.04) in the device manager and Right Click on it and select Update Driver software.



Step 19. We will need to point it towards the "Classic Programmer" folder on the desktop.



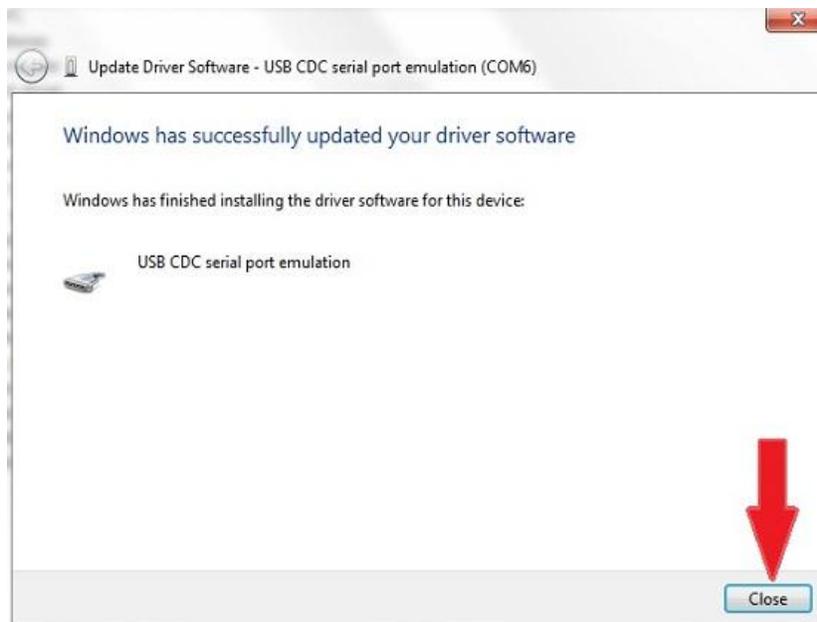
Step 20. Here we need to find the Classic Programmer Folder. Left Click on Browse. The Browse for Folder window will pop up. In this window Left Click “Desktop” then Left Click “Classic Programmer” and then Left Click “Drivers” once. Now Left Click OK on this window and select Next on the underlying window.



Step 21. We will most likely need to let Windows and possibly your Antivirus software know it is OK to continue.

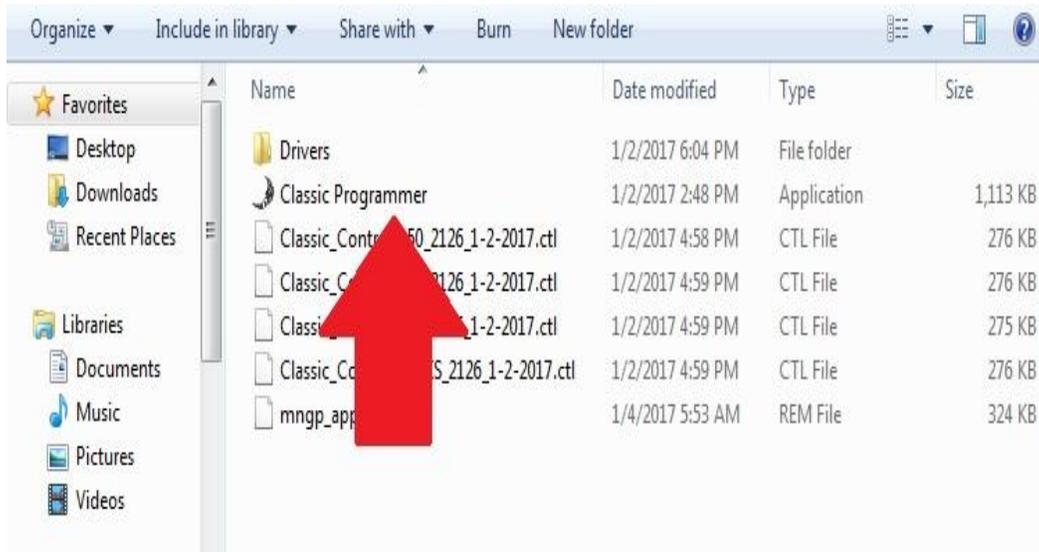


Step 22. When it is done Left Click Close.

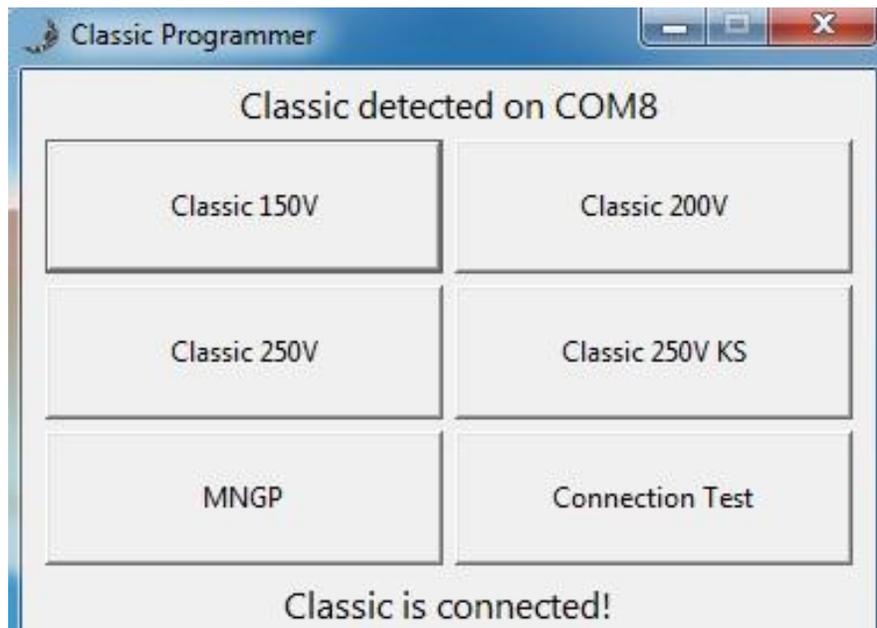


This concludes setting the PC up for the first time now we will go through the Firmware install.

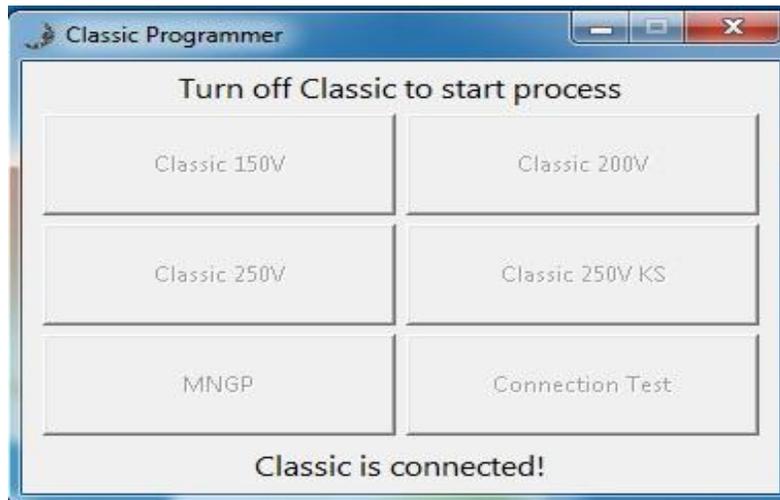
Step 23. Find the open folder from step 9 and double click on the “Classic Programmer” application



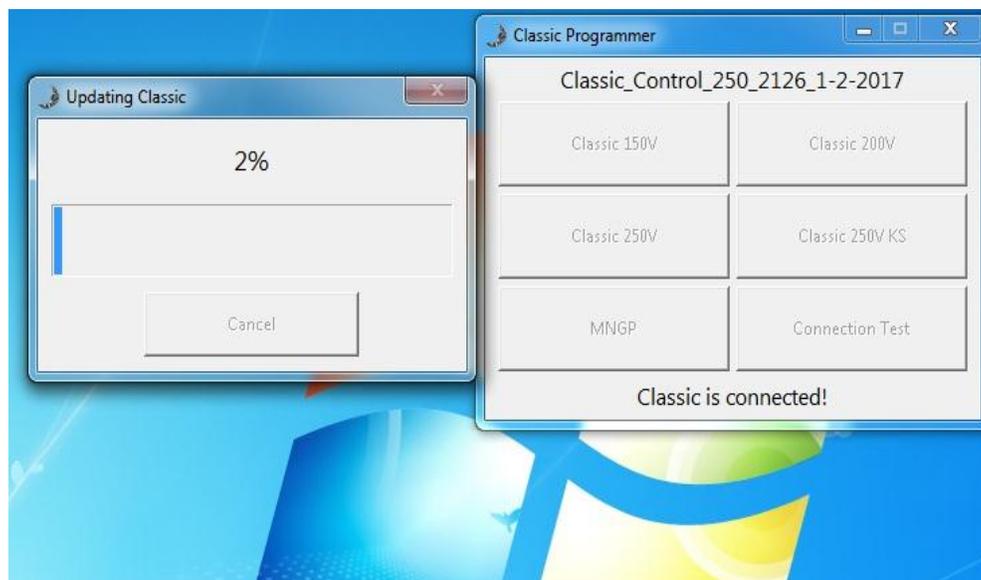
Step 24. With the Classic powered on and the USB cable plugged in you will need to select the Classic model you have. (150,200 etc)



Step 25. You will get message to turn off the classic to start, so turn the classic off at this point



Step 26. Now it will Ask you to turn the power back on and when you do it will start the update process as shown. This should take about 10 minutes. Wait for it to say it was completed and click OK and then move on to step 27)



Step 27. At this point you need to update the MNGP, This is the display or the front half of the black casting that has the screen and buttons. This must still be plugged in or we can not update it. (IF this is a Lite you are done) by clicking the box labeled MNGP and following similar steps as above for the Classic (This should take about 10 minutes)