

Firmware install with Windows Vista

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

MIDNITE SOLAR

HOME WHERE TO BUY DOCUMENTS GALLERY PRODUCTS SCHEDULE **FIRMWARE** SUPPORT PRICE LIST FORUM

MidNite Solar's POWERTime With John and Joanne

Here at MidNite we've started producing product and installation videos. Below you will find a list of the videos just completed.

NEW VIDEO
NNPV8HV Disconnecting Combiner
NNPV4HV Disconnecting Combiner
Disconnecting PV Combiners
Arc Fault Test
Classic Shock Test
MidNite Milestones
SPD Comparison Test Video
SPD Installation Video
Classic Installation Video
Battery Enclosure Assembly
Hey Joe
Wind Curve Video

SOLAR POWER INTERNATIONAL 2011

(MidNite's booth at SPI 2011 pictured above)

October 17, 2011 – Dallas: MidNite Solar introduced nine new products (available the first quarter of 2012). Seven are new high voltage disconnecting PV combiners with remote disconnect capability. One of the new combiners incorporates a series and parallel arc fault protection system. Another product is the retro locking emergency shut off switch. The emergency shutoff switch is hardwired to a combiner via a MidNite 600V Cat 5 USE-2 cable. The final new product introduced is a 155A/600V disconnect switch. All new products are scheduled for release in the first

MidNite Solar's Disconnecting & Arc Fault PV Combiners

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See what people are saying TESTIMONIALS

COMPANY PROFILE
MidNite Solar designs, manufactures, and sells, advanced electronic devices, combiner boxes, disconnects and installation aids specific to the renewable energy industry. The all new Classic Charge Controller offers advanced features and built in Arc Fault Protection not available from any other manufacturer. Our new lightning/surge arrester is the first in our industry to offer real protection to power electronics, low cost rebuilds, all at competitive price.

With the ever changing electrical codes, our engineers stay ahead of the industry with new designs and solutions. All of our products are substantially made in America. We add new machines and jobs as needed to our production facility in Arlington, WA, which also serves as our company's headquarters. Our products are found in renewable energy systems, worldwide.

Firmware Download

- Firmware Installation Video
- Firmware Installation Doc
- Firmware Discussion
- Modbus Network Spec-Sheet
- Download the MidNite Solar Local Application

Classic Firmware version 007 Updated November 9, 2011

Download Firmware

MidNite Is The Start Of A New Day

For problems downloading or installing firmware contact:

Technical Support Manager:
ryan@midnitesolar.com
Ph: 360.403.7207 Ext. 151

Step 3. Read the Notes in red first and then Left Click on Download Firmware.

The screenshot shows the Midnite Solar website's 'Firmware Download' page. The page layout includes a header with the Midnite Solar logo and navigation links (HOME, WHERE TO BUY, DOCUMENTS, GALLERY, PRODUCTS, SCHEDULE, FIRMWARE, SUPPORT, PRICE LIST, FORUM). The main content area is divided into three columns. The left column contains a 'COMPANY PROFILE' section. The middle column is titled 'Firmware Download' and features a 'Classic Firmware version 807 Updated November 9, 2011'. Below this is a 'NOTE' in red text explaining a new set point called 'Maximum input amps'. Underneath the note is a 'Download Firmware' link, which is highlighted by a red arrow. To the right of the download link is contact information for the Technical Support Manager. The right column contains a 'Midnite Is The Start Of A New Day' section.

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Firmware Download
Classic Firmware version 807
Updated November 9, 2011

NOTE:
We have added a new set point called "Maximum input amps" on existing Classics this number comes up at different values the first time firmware is installed. To change this go to Main Menu --> Charge --> Limits and change the "Input" to the desired value (Typically 30amps). Please see the Classic "Just the Facts" manual for more info on this.

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Firmware Updates:
Here's new Classic code. Latest update, Nov 9, 2011

This Firmware version adds:

- Maximum input current limit adjustment added to the Limits menu
- Hydro MPPT Node now has a Minimum Input

Midnite Is The Start Of A New Day
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Step 4. Left Click on Save File. (Note these screen shots are done with Mozilla Firefox see alternate browsers.)

This screenshot is identical to the one above, but it includes a file dialog box overlaid on the page. The dialog box is titled 'Opening MidNiteSolarSetup_11-9-2011.exe' and contains the following text: 'You have chosen to open', 'MidNiteSolarSetup_11-9-2011.exe', 'which is a: Binary File (2.0 MB)', 'from: http://www.midnitesolar.com', and 'Would you like to save this file?'. At the bottom of the dialog box are two buttons: 'Save File' and 'Cancel'. A red arrow points directly to the 'Save File' button.

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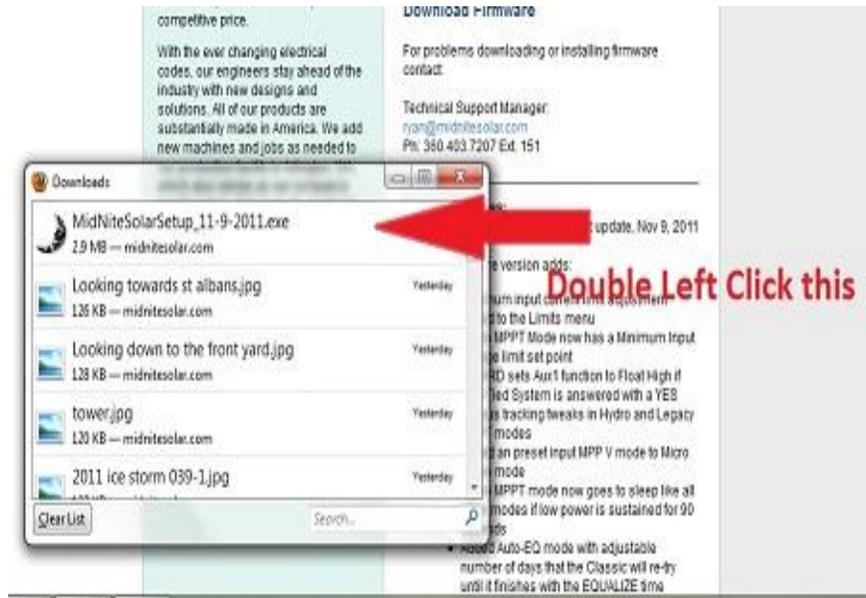
Firmware Updates:
Here's new Classic code. Latest update, Nov 9, 2011

This Firmware version adds:

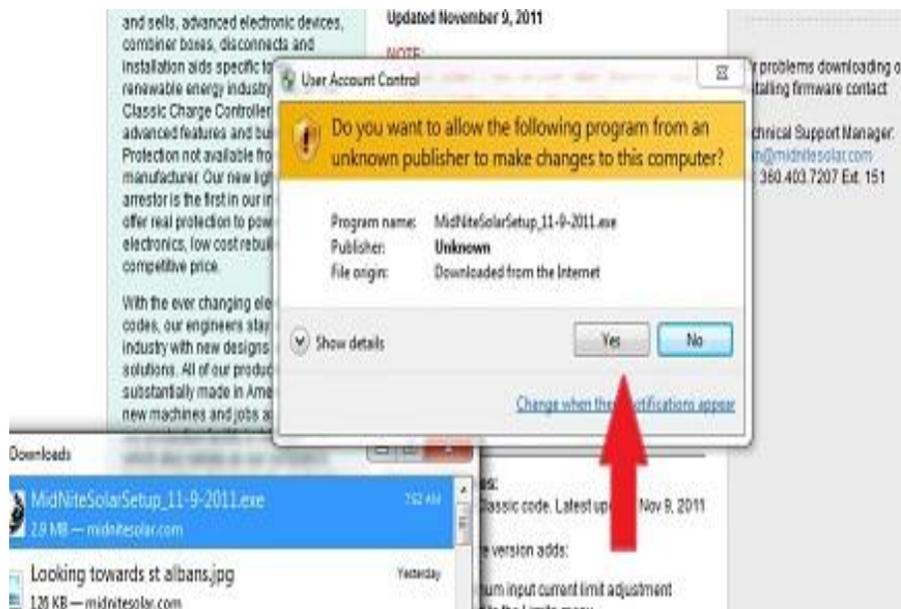
- Maximum input current limit adjustment

Midnite Is The Start Of A New Day
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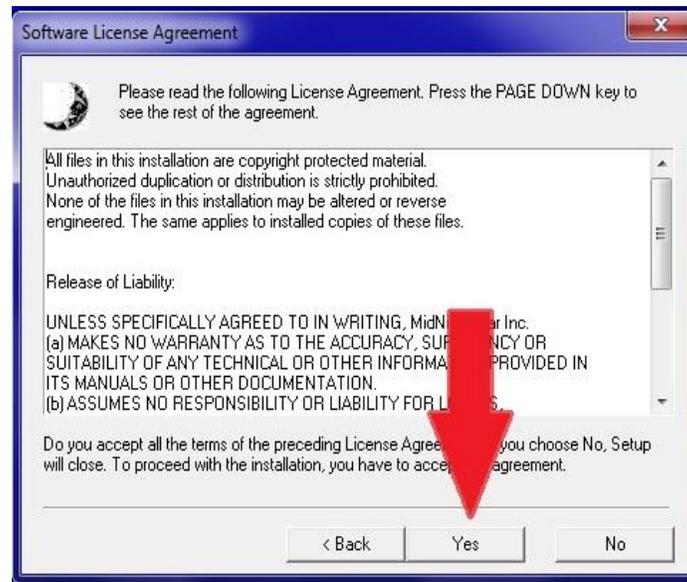
Step 5. After the Download, Windows 7 should leave a box like this. If not go to your Documents and Downloads and you will find it there. Double Left Click on the MidNite Solar file.



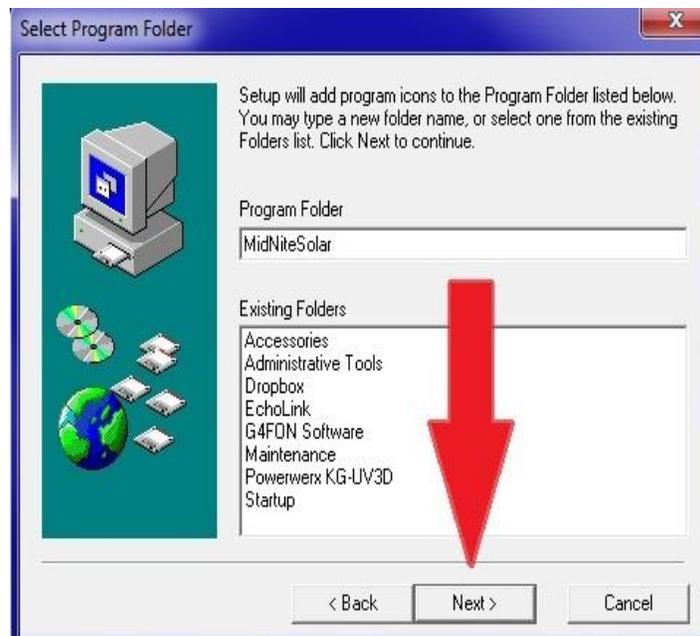
Step 6. You will be asked by windows if it is ok to download. You may also be asked by your antivirus if it is ok as well. Left Click Yes to continue.



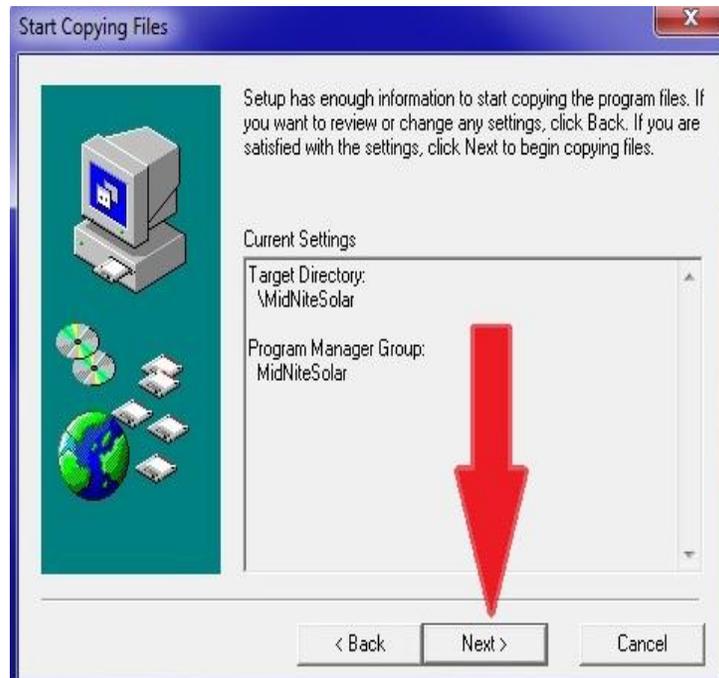
Step 7. After reading the License Agreement Left Click Yes.



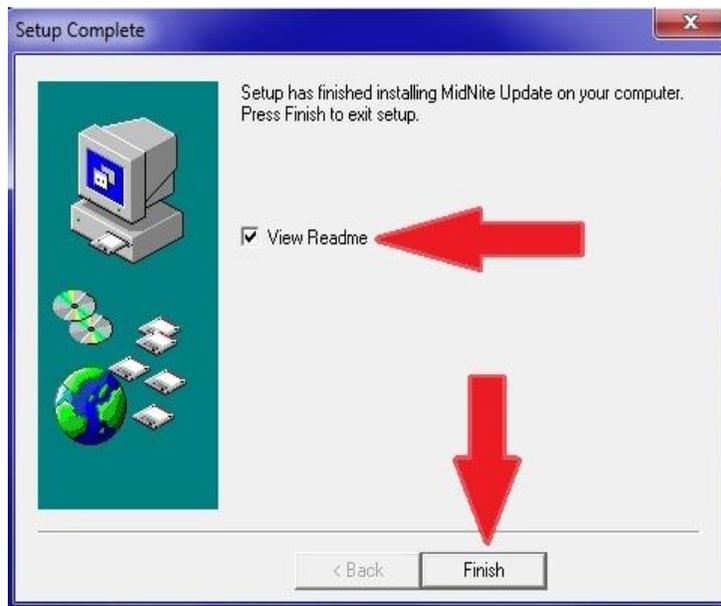
Step 8. Make sure the file is saving as shown below. Windows should select this for you. Left Click Next.



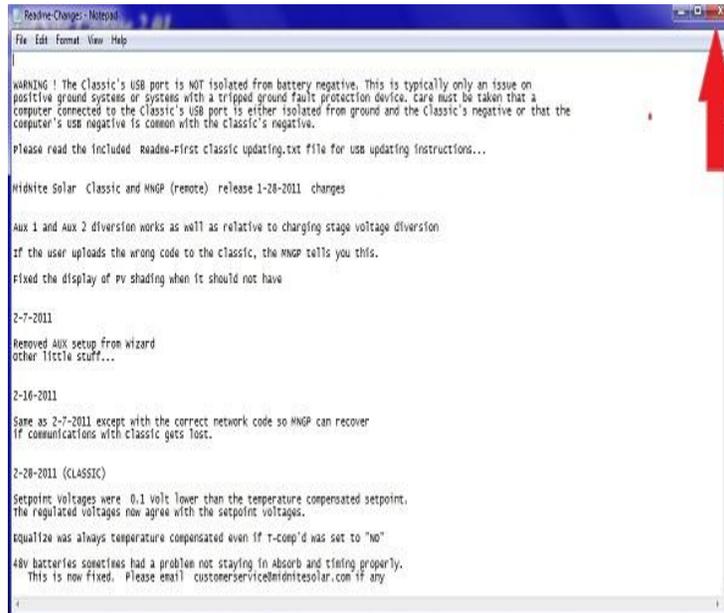
Step 9. Left Click Next



Step 10. View Read Me file should be checked and Left Click Finish



Step 11. The Read Me file will open and we encourage you to scroll down and see what changes have been made. After reading all the info simply Left Click the Red X.



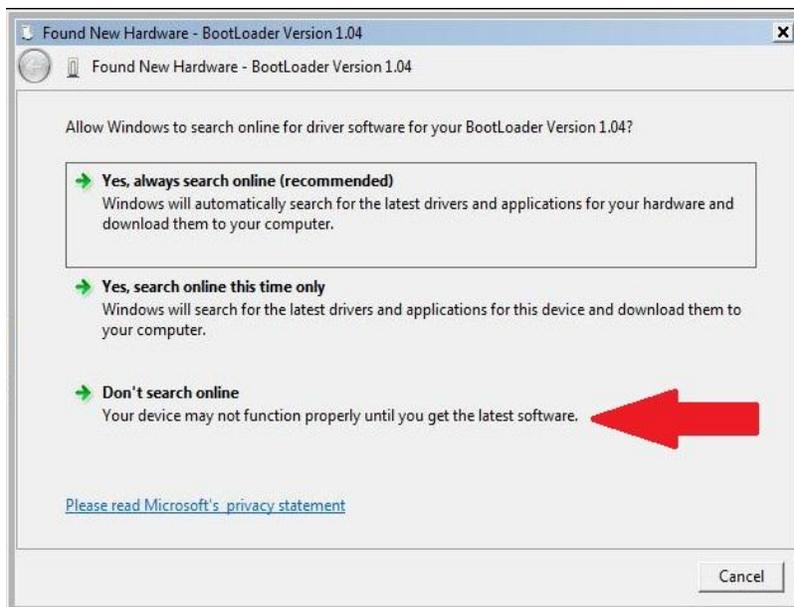
Step 12. You will now need to have the USB cable that came with the Classic and we will assume it is already plugged into the USB jack in the Classic. The jack is inside the Classic case beside the Ethernet jack and the Temperature sensor plug. If you need help with this stage please consult the owner's manual.



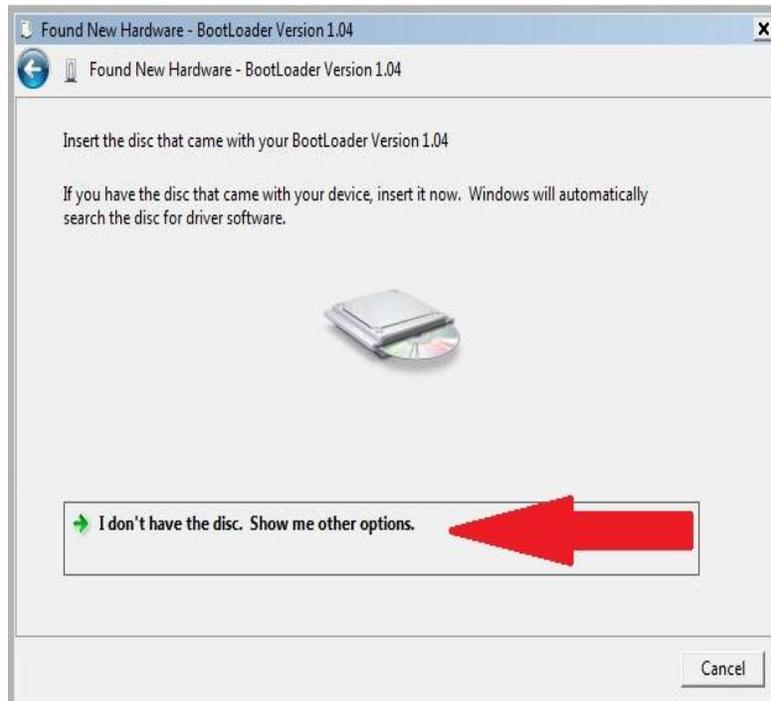
Step 13. With the power on to the Classic, plug the other end of the USB cable into the PC you are using to install firmware. The “Found new Hardware” window will open, Left Click on the Choice shown.



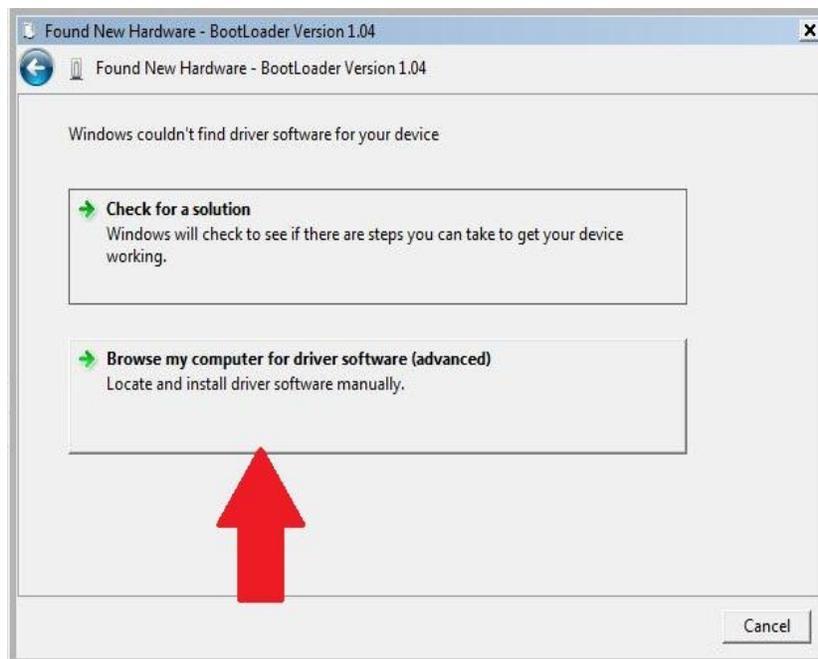
Step 14. Windows will ask if it is ok to search online for the driver Left Click “Don’t search online”.



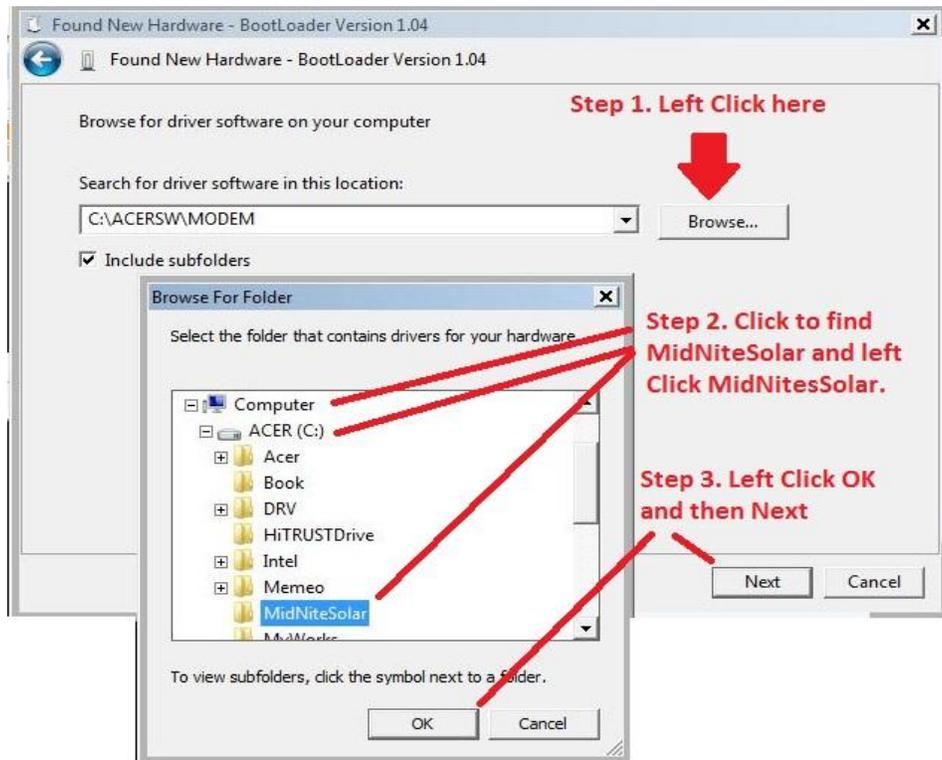
Step 15. Left Click the “I don’t have the disc” selection.



Step 16. Left Click the “Browse my computer” selection.



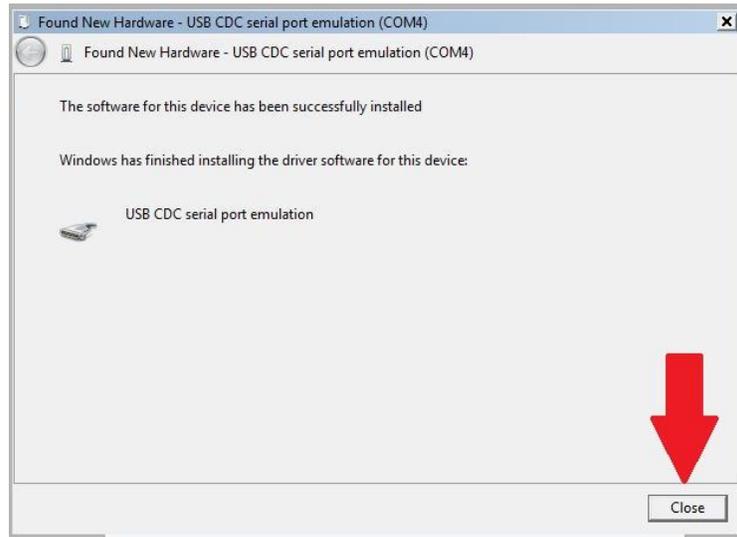
Step 17. Left Click “Browse”, Left Click “Computer”, Left Click “C” then Left Click “MidNiteSolar”.
Now Left Click OK and Next on the underlying window.



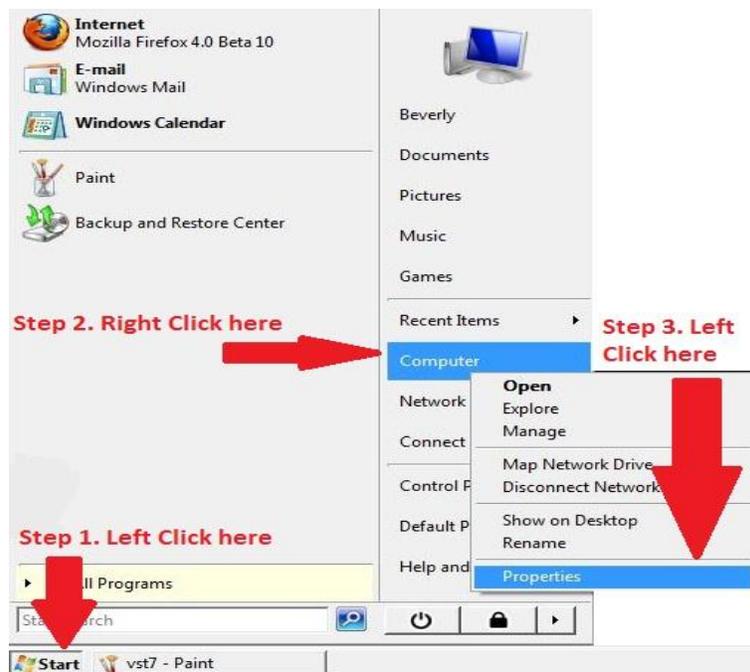
Step 18. Left Click on “Install this driver software anyway”.



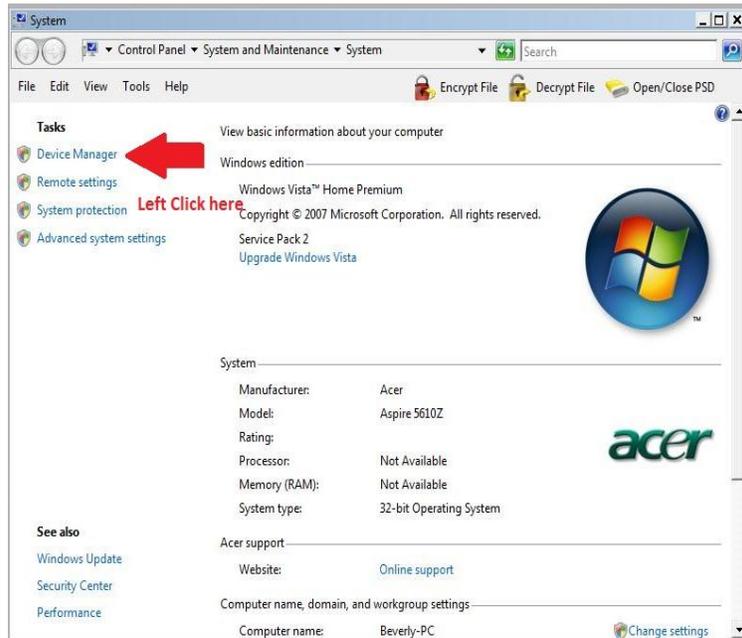
Step 19. Left Click Close.



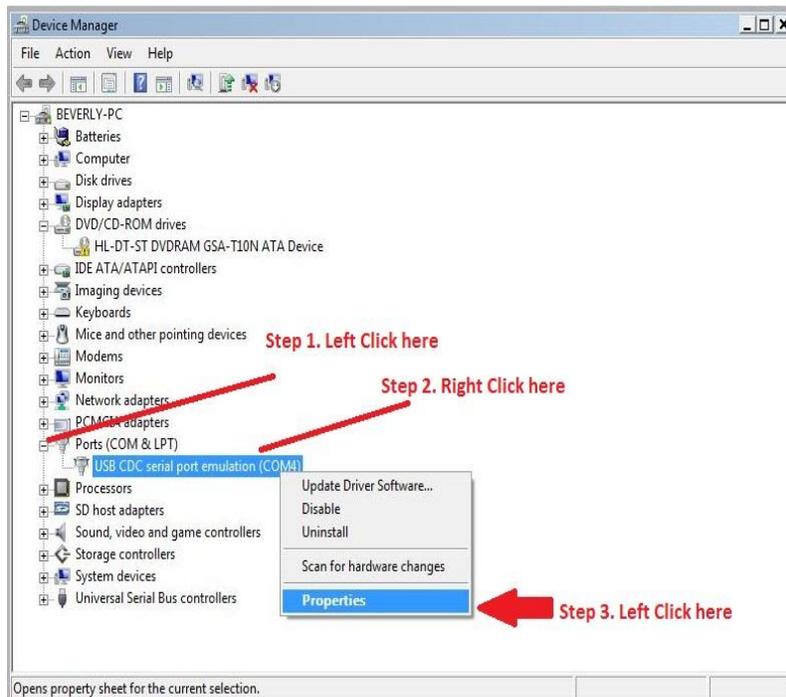
Step 20. Now we need to set the Com port to 8. Left Click on "Start", Right Click on "Computer" and Left Click on "Properties".



Step 21. Left Click on “Device Manager”



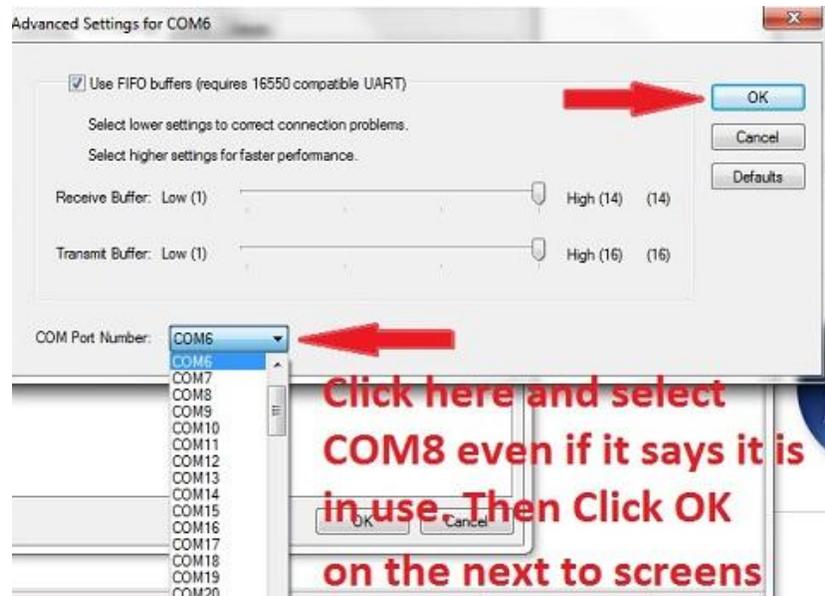
Step 22. Left Click on the little + sign to the Left of “Ports (COM & LPT)”. Right Click on “USB CDC Serial port emulation” and Left Click “Properties”.



Step 23. Left Click on the “port settings” tab as shown. Check the settings but they should be fine by default and then Left Click the Advanced button.



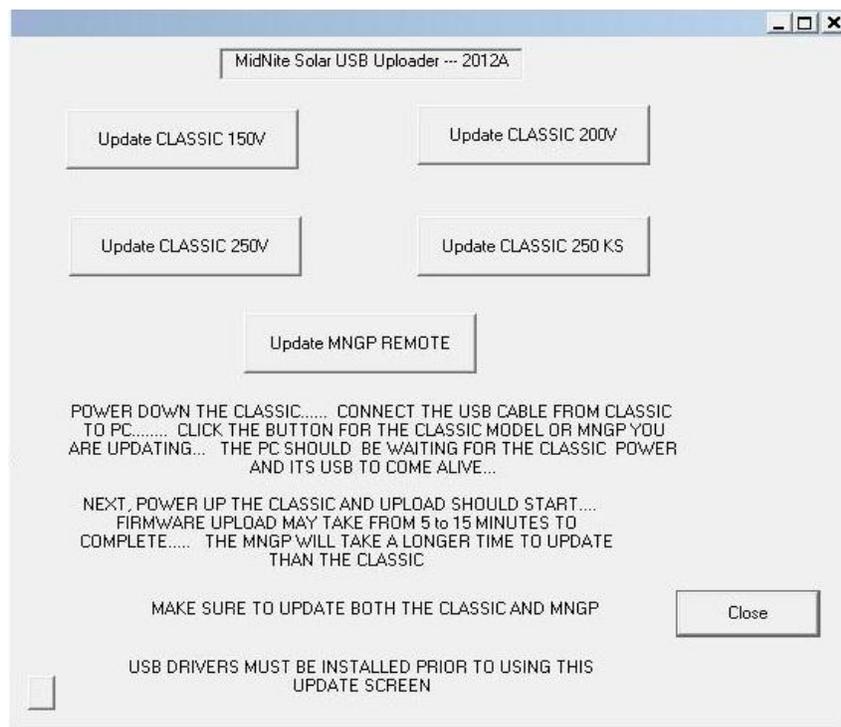
Step 24. Left Click on the drop down arrow beside Com port number. Left Click on COM8 even if it shows in use. Left Click OK. This concludes the port settings we can now close all open windows and prepare to update the firmware.



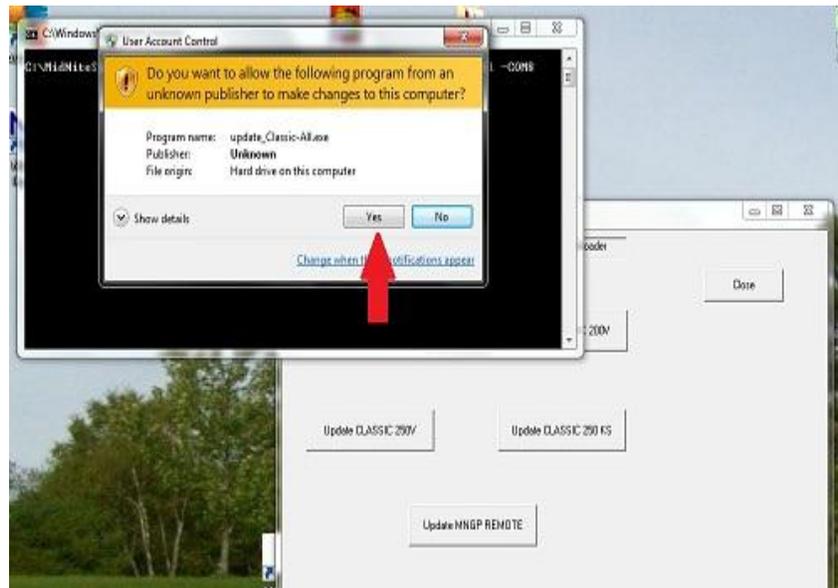
Step 25. Find the MidNite Icon and Double Left Click on it to open the program.



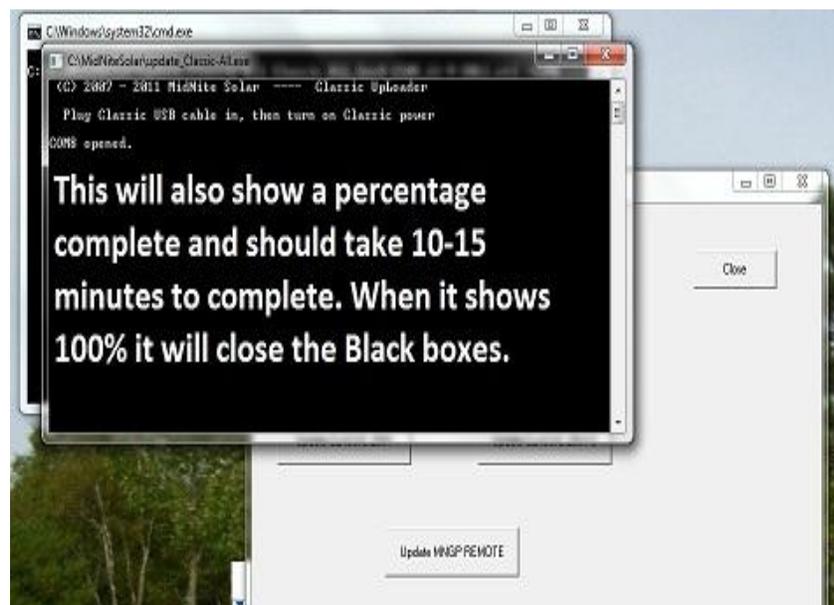
Step 26. With the Classic powered off and the USB cable plugged in you will need to select the Classic model you have. (150,200 etc)



Step 27. You will get the following windows security question Left Click Yes



Step 28. A second Black box will pop up at this time turn the power on to the Classic and the box should say Com8 Open and start counting up in percentage. (Note sometimes the Computer is slower than the Classic and this Com8 Opened will not pop up. In this case close the boxes and retry)



This process should take between 5-15 minutes and the box will go away when it is complete.

Step 29. At this point you need to power down the Classic and Left Click Update MNGP. You will get the same windows security question as before. Left Click Yes and when the second Black box pops up turn the power on to the Classic and Com8 Open should show and it will start slowly counting to 100% this will take around 15 minutes.

After the box goes away for the MNGP power off the Classic and power it back on and you should be all set. Please check all settings to ensure they did not change. None of your custom settings should change but we prefer to be safe here.

Alternate Browsers

Google Chrome

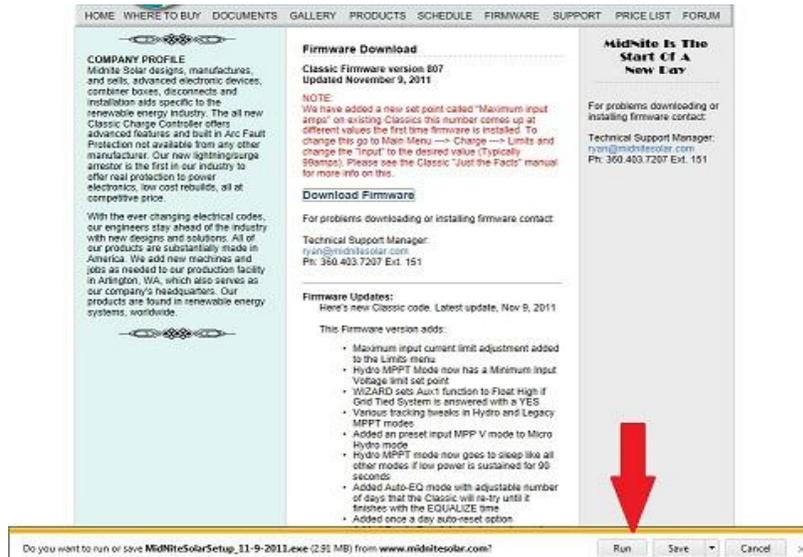
On Google Chrome when you click on download the file will show up in the bottom left of the browsers screen.



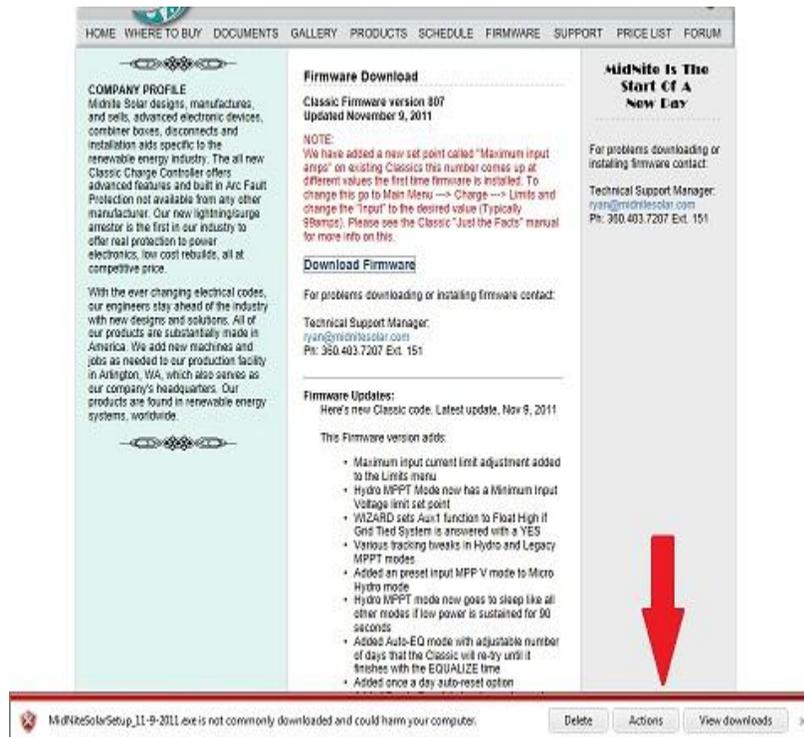
Internet Explorer 9

IE9 is a little different. It really does not want you to download stuff. Below you will find the appropriate screen shots.

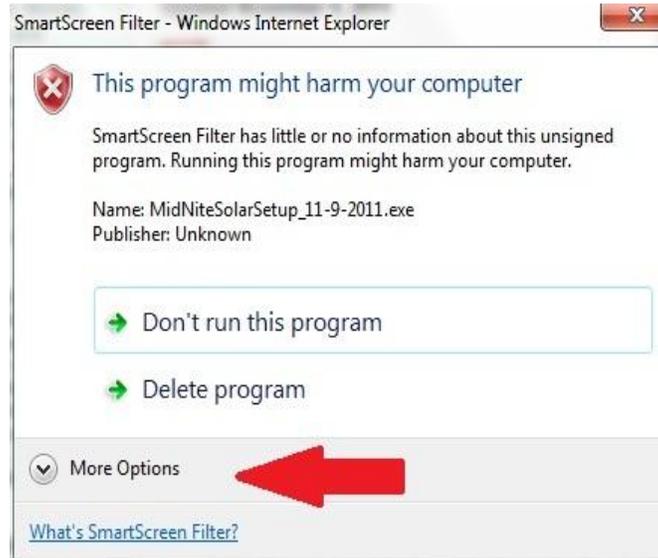
Left Click on Run



Left Click on Actions



Left Click on More Options



Left Click Run anyway. After this return to the main directions Step 6

