



# Windows 8 and 8.1 Classic firmware instructions 6/10/14

## Step1

Go to [www.midnitesolar.com](http://www.midnitesolar.com) and click on the firmware tab.

HOME | WHERE TO BUY | DOCUMENTS | GALLERY | PRODUCTS | SCHEDULE | FIRMWARE | SUPPORT | PRICE LIST | FORUM | GARAGE SALE

**THE BEST YEAR IS HERE: 2013**

With 2012 the best ever, we're not ones to rest on our success, there are new products slated for 2013 with just a few listed below.

- The new SMA AC Coupled System
- Arc Fault and Smart Combiners
- Whiz Bang 1000 (secret project to be announced)
- My MidNite (Plug and play support for all MidNite Internet Capable Devices)
- Battery Sense Device, shunt based current sense module
- The Kid, a 30 amp MPPT charge controller
- Military 500 watt turbine and MPPT with built in solid state Clipping
- commercial version too.
- Yes MidNite is working on our own family of inverters!!!

We will keep you posted on their progress. Many Thanks to all for your support in the new year!

**NEW DISCONNECTING COMBINERS**

Nov. 14, 2012  
We here at MidNite Solar, America's leading combiner manufacturer, are proud to announce our new line of Disconnecting Combiners are now shipping! These combiners are all designed to meet and exceed the 2011 NEC Code 690.16 NEC requirements.....  
Read the rest of the story.

**TRAINING/WEBINARS SCHEDULE**

2013		
Feb		
04 - 04	SMA Battery Backup Solutions - Training	9:00 AM EST
07 - 07	SMA Battery Backup Solutions - Training	9:00 AM EST
08 - 08	SMA Battery Backup Solutions - Training	9:00 AM EST
10 - 13	6th Annual AEE Solar Dealer Training - Training	AM EST
11 - 11	SMA Battery Backup Solutions - Training	9:00 AM EST
21 - 22	Matrix Energy Dealer Training - Training	
Mar		
07 - 08	HES Training Seminars - Training	
12	Clean Energy Distribution Training - Training	
13	Conergy Training - Training	
14	CED Training - Training	
15	Soldist Training - Training	
28	Lunch in Learn - Training	

## Step2

Click on the "Download Production firmware" link

HOME | WHERE TO BUY | DOCUMENTS | GALLERY | PRODUCTS | SCHEDULE | FIRMWARE | SUPPORT | PRICE LIST | FORUM | GARAGE SALE

**Firmware Download**

Windows XP Firmware Install Video  
Windows XP Firmware Install Instructions  
Windows Vista Firmware Install Instructions  
Windows 7 Firmware Install Instructions  
Firmware Discussion  
Modbus Network Spec Sheet

**MidNite Solar Production Firmware Revision 1181**  
Release Date 12-11-2012  
[Download Production Firmware](#) **Click Here**

Follow Me PDF showing communication networking between Classics.  
<https://dl.dropbox.com/u/31975941/network%20wiring.pdf>

**RELEASE NOTES:**  
If you are using Classic Lites with serial # 5435 or lower, with standard Classics for "Follow Me", you will need to leave the MMLP (LED display) unplugged. Contact customer service for more information to remedy this issue.

**Revision 1181 includes:**

- "Follow Me", network communications to coordinate charge stage, EQ and ground fault as well as share battery temperature.
- Allows for addressing of individual classics on the network so they can all be viewed from a single display.
- Added amp hours to the Classic.
- Display now displays the units name given in the local app software.
- Added software password for the Classic.
- Added a Ground Fault mode for Aux 1 to remote trip our breakers.
- Added 2 functions to Aux2 input logic: High and Input logic low when active stops the controller from charging. Designed for battery management systems on Lithium Ion batteries.

After installing the firmware in the Classic or MINGP 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 Left and Right 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 reset any custom settings such as Aux 1 and 2. You may want to write these settings down for reference prior to resetting the Classic.

**MidNite Is The Start Of A New Day**

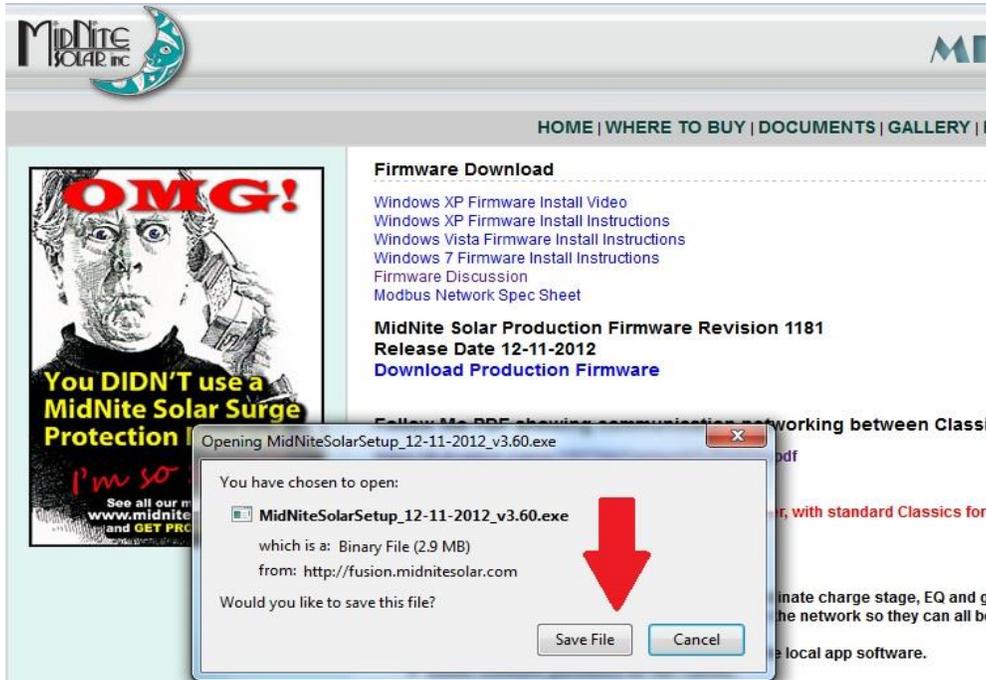
For problems downloading or installing firmware contact:

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

# Windows8 (continued)

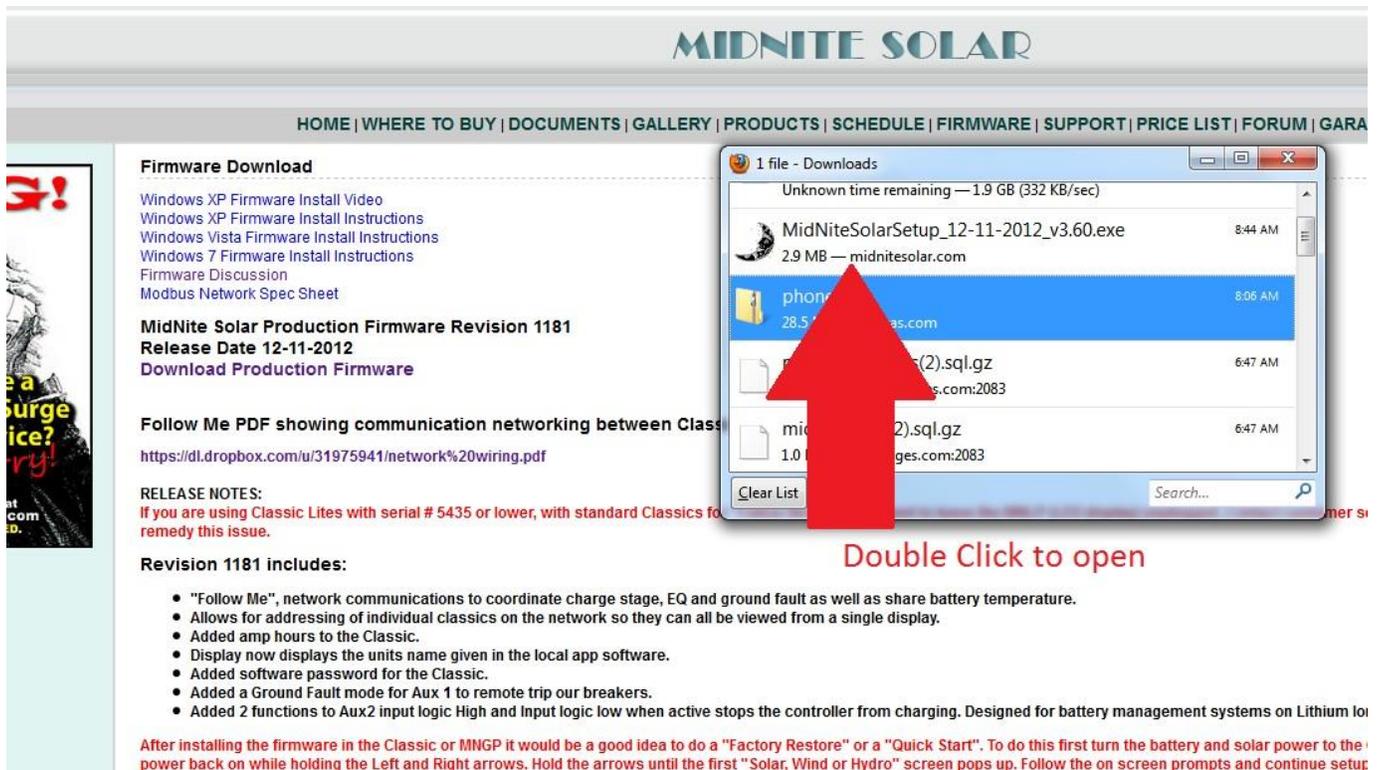
## Step3

Click on the "Save File" button.



## Step4

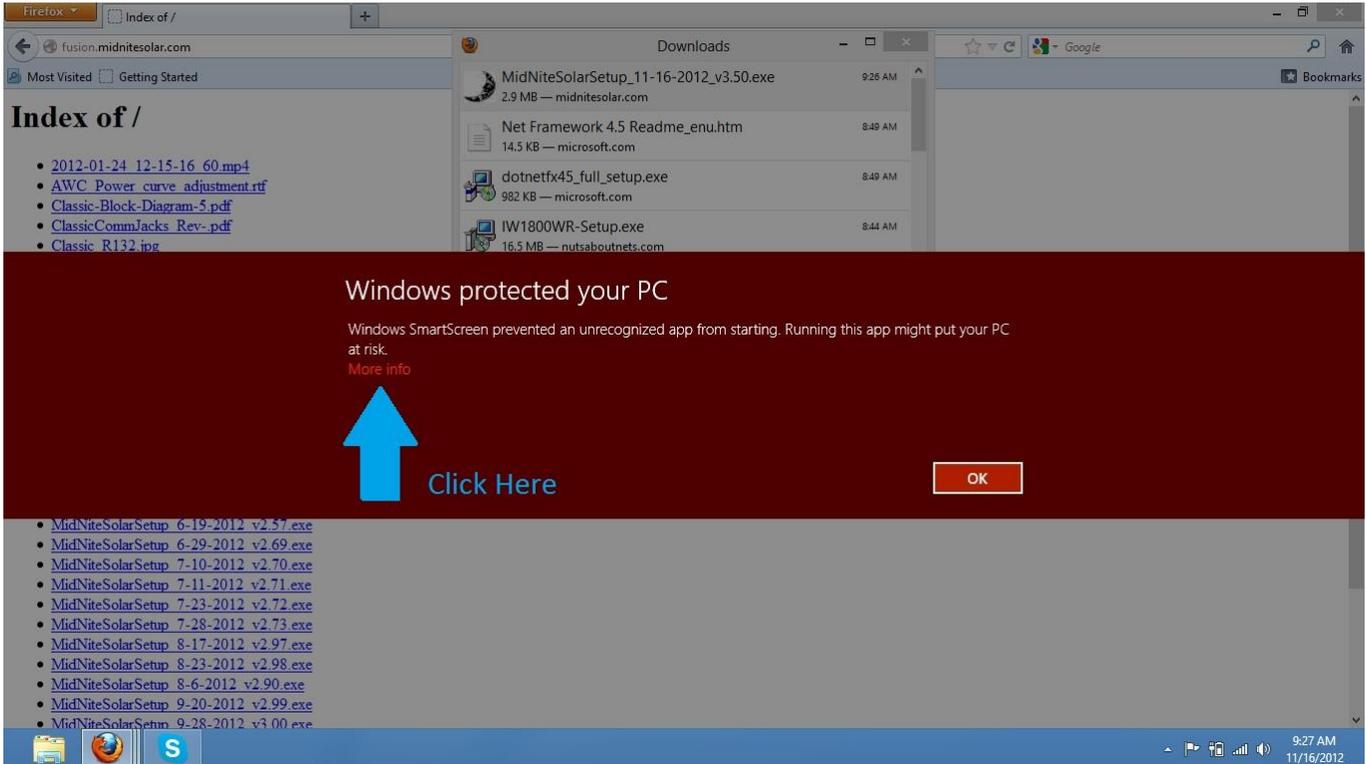
Double click on the Midnite Solar .exe in the Download manager.



# Windows8 (continued)

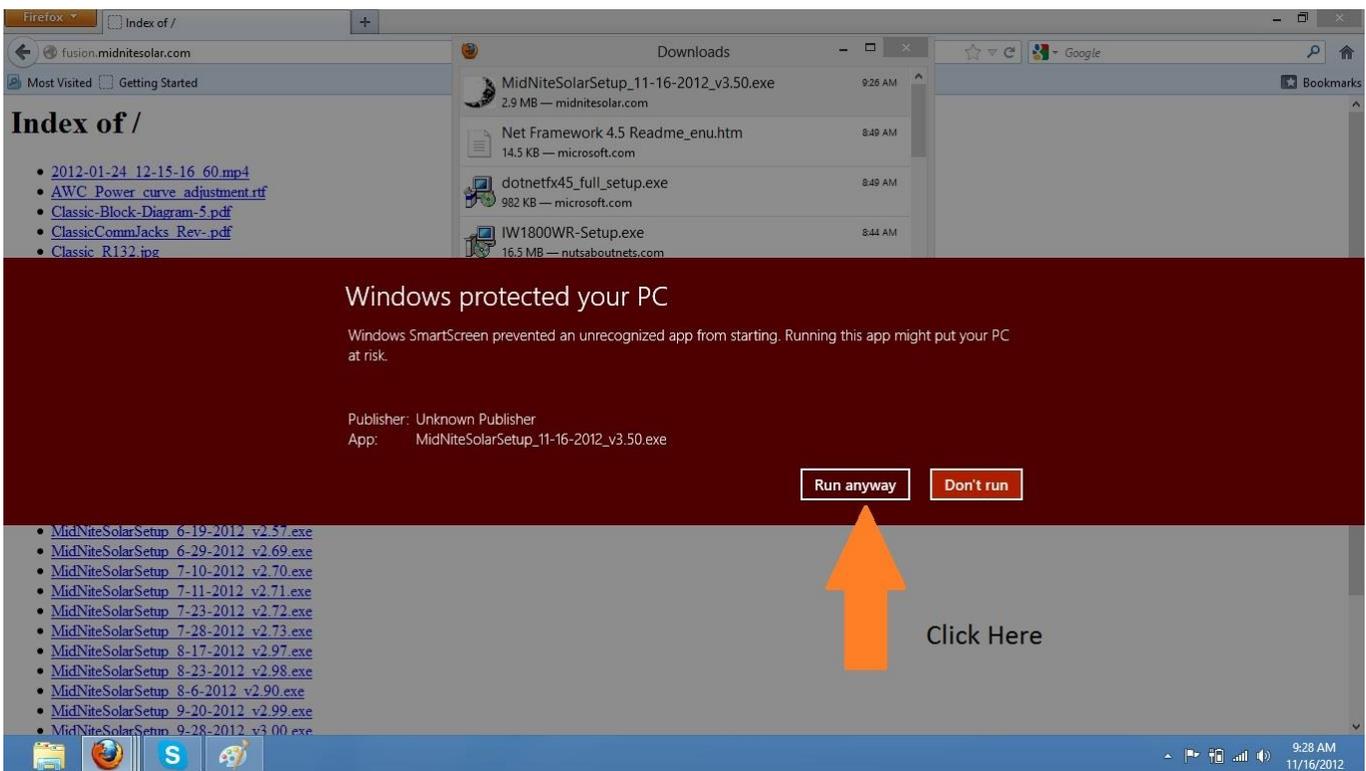
## Step5

Click on "More Info"



## Step6

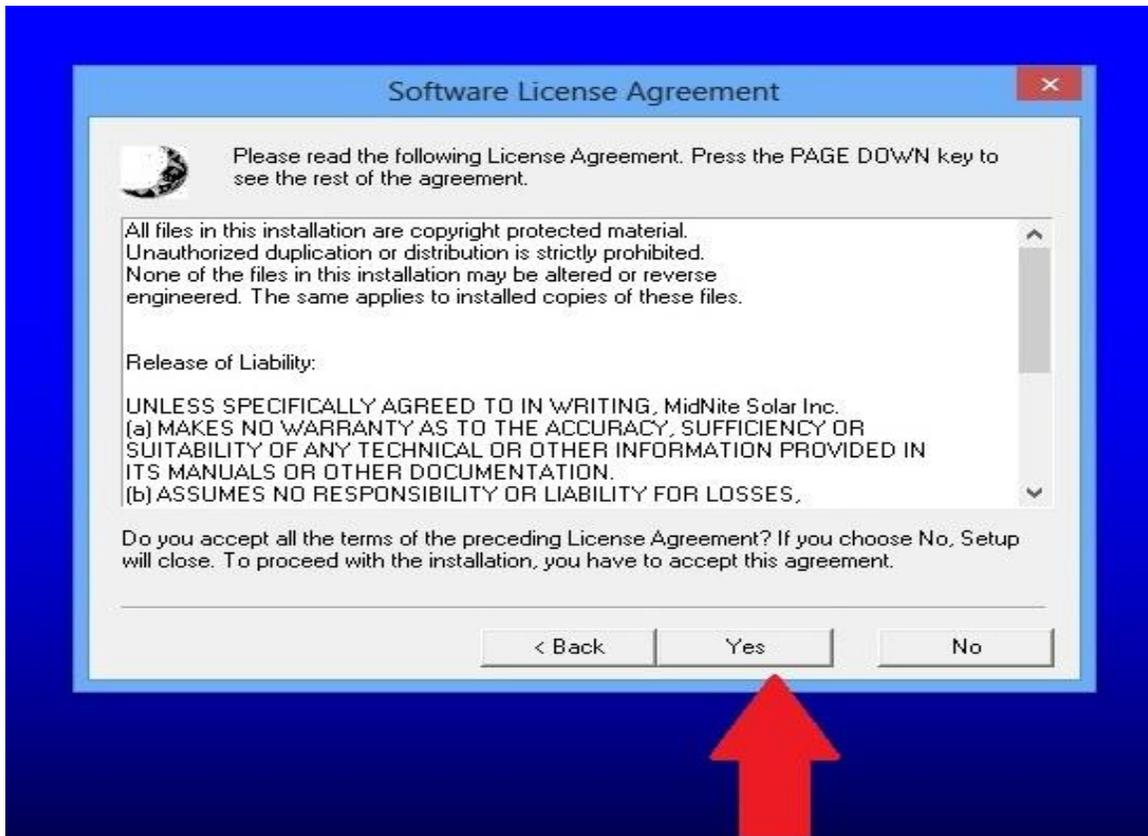
Click on "Run anyway"



## Windows8 (continued)

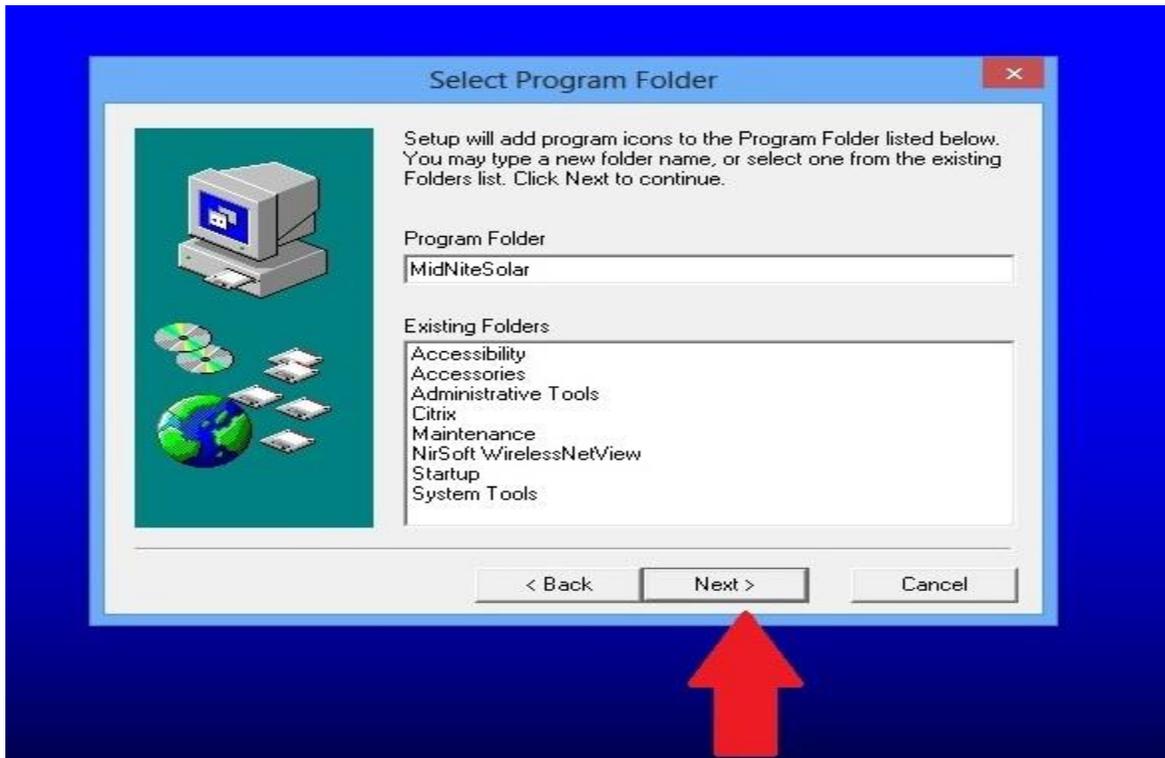
### Step7

Click on "Yes"



### Step8

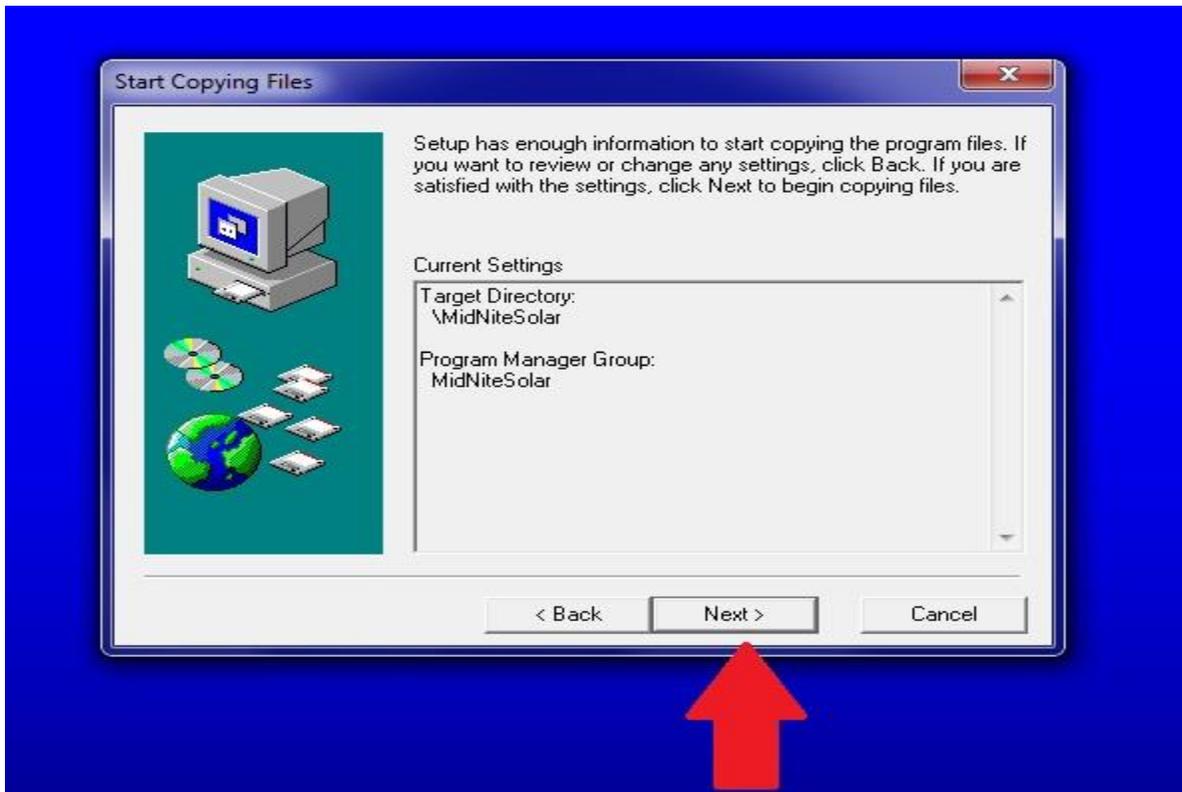
Click on "Next"



## Windows8 (continued)

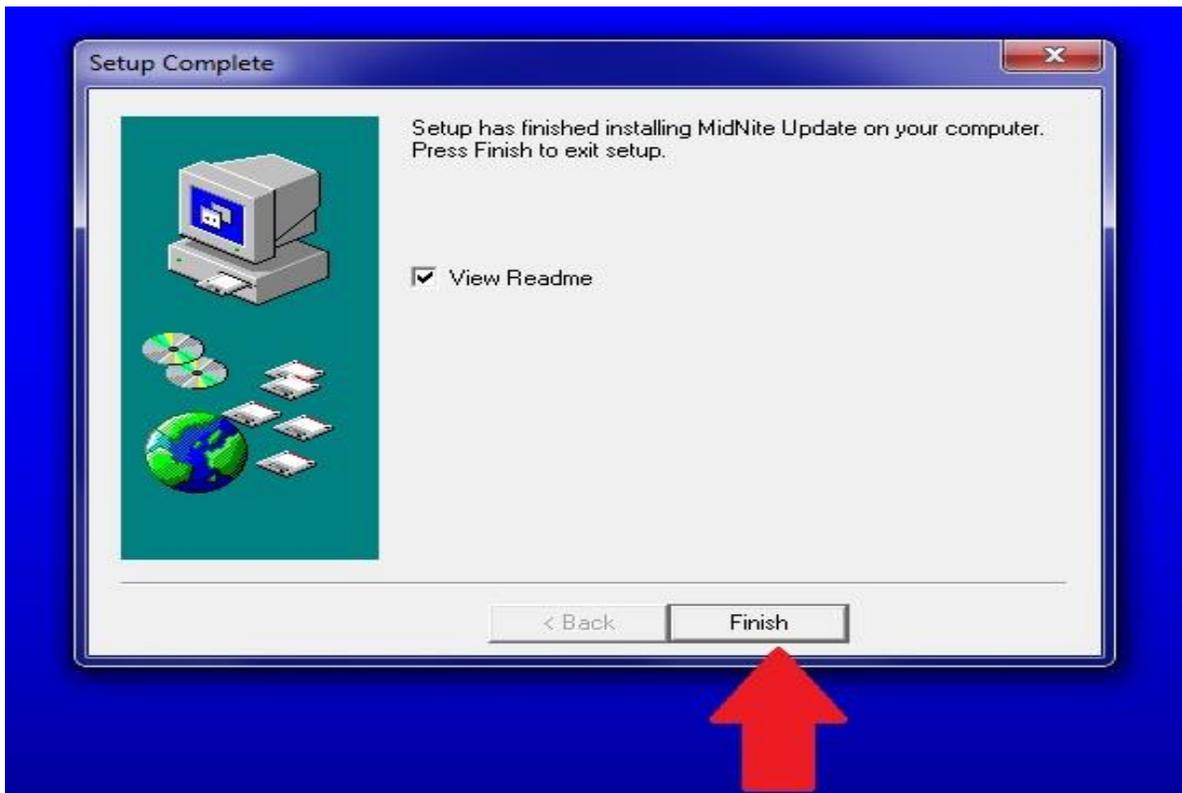
### Step9

Click on "Next"



### Step10

Click on "Finish"



## Windows8 (continued)

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### Step11

After you finish reading the ReadMe file simply click the red X in the top right corner to close it and this will finish the installation of the MidNite updater.

### Step12

At this point we need to Plug in the classic's USB cable to the Windows 8 machine. Leave the Classic powered up so Windows will see it.

### Step13 (PLEASE NOTE THE PARTS IN RED THEY APPLY TO WINDOWS 8.1)

We now need to tell Windows 8 it is OK to trust the driver we want to install. To do this, follow the steps below:

1. From the desktop, open Settings (move your mouse to the bottom/top-right-corner of the screen and wait for the pop-out bar to appear, and then click the Gear/Settings icon).
2. Click 'Change PC Settings'.
3. Click 'General'. (8.1 = Click "Update and Recovery")
4. Scroll down, and click 'Restart now' under 'Advanced startup'. (8.1 Now Click "Recovery" and then Click "Advanced Startup")
5. Wait a bit.
6. Click 'Troubleshoot'.
7. Click 'Advanced Options'
8. Click 'Windows Startup Settings'
9. Click Restart.
10. Press 7 to boot windows with Driver Signature Enforcement disabled to allow you to install the Classic USB drivers.

After the computer is rebooted move to Step 14.

### Step14

We need to get into the control panel. To do this you will need to click on the Charm that looks like a gear and then Click "Control Panel"

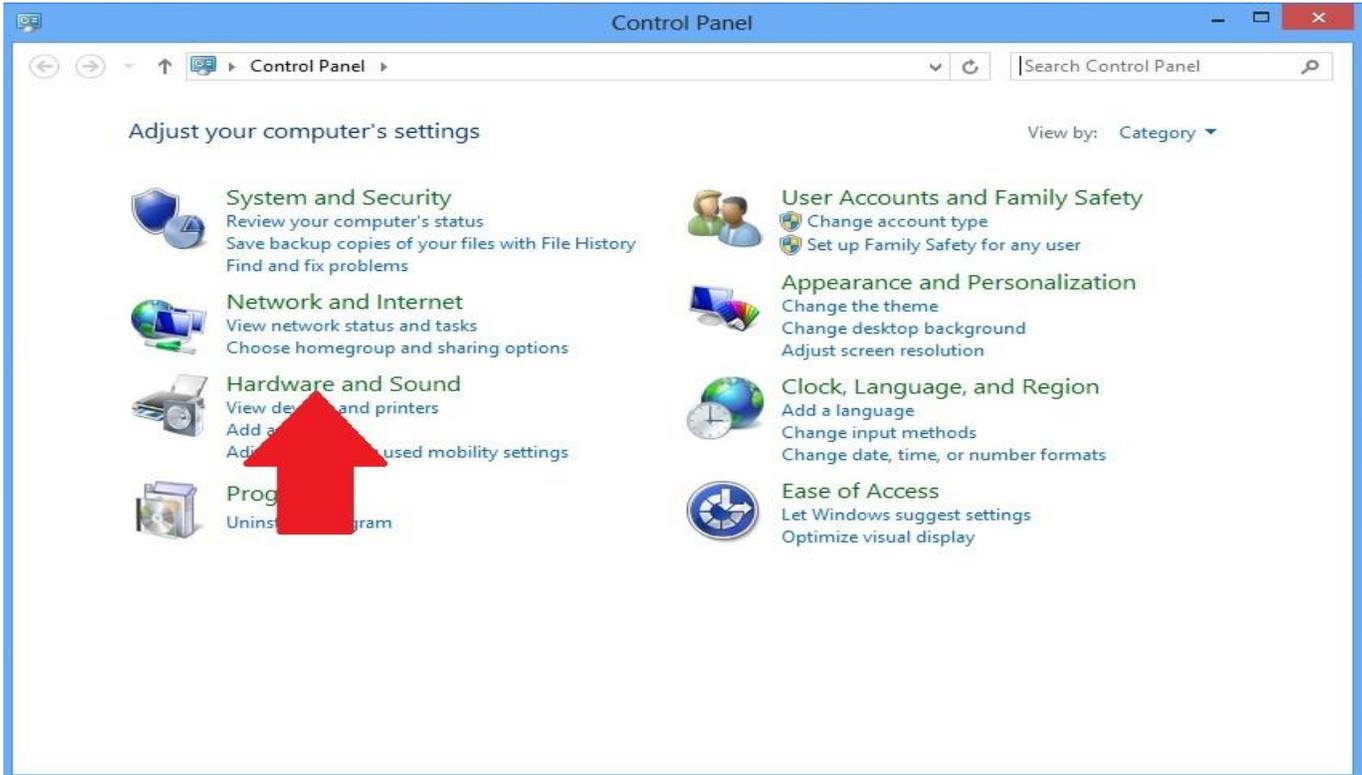
#### Note

To find the charms drag your pointer to the bottom right corner of the screen.

# Windows8 (continued)

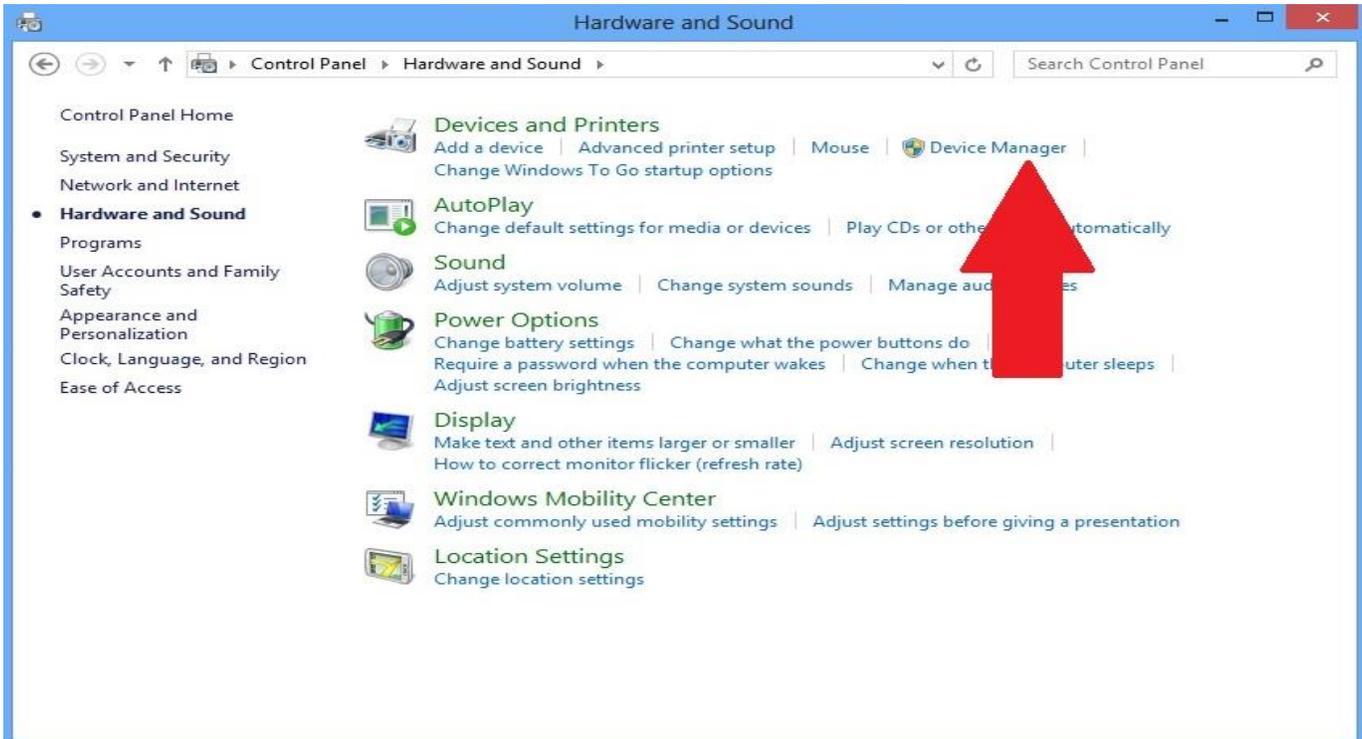
## Step15

Click on "Hardware and Sound"



## Step16

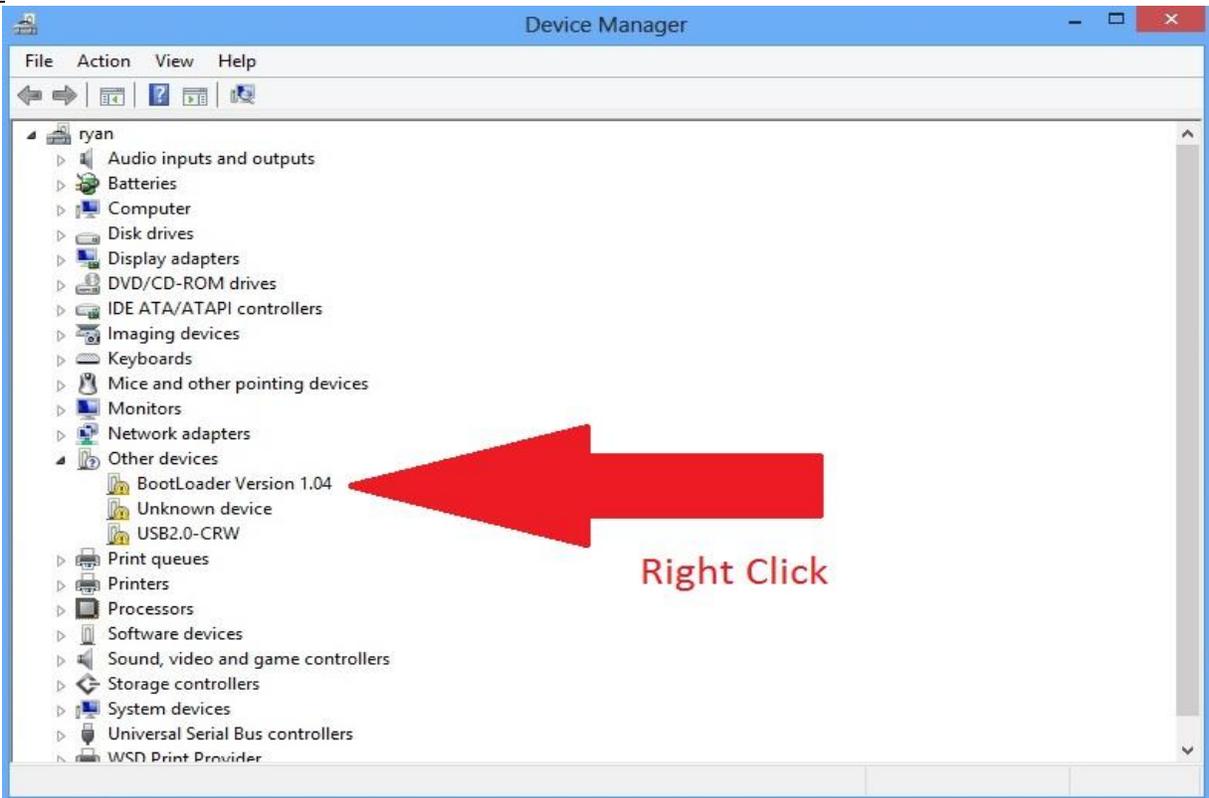
Click on "Device Manager"



# Windows8 (continued)

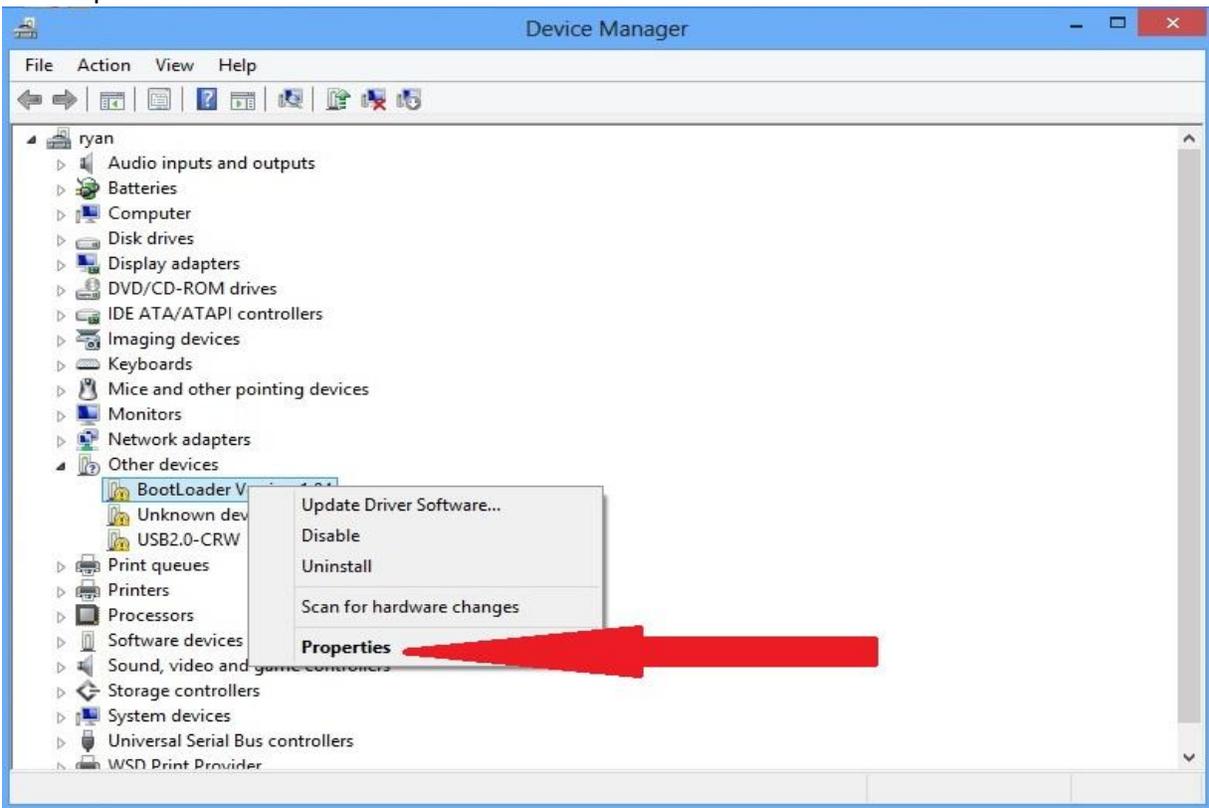
## Step17

**Right** Click on “Bootloader Version 1.xx”



## Step18

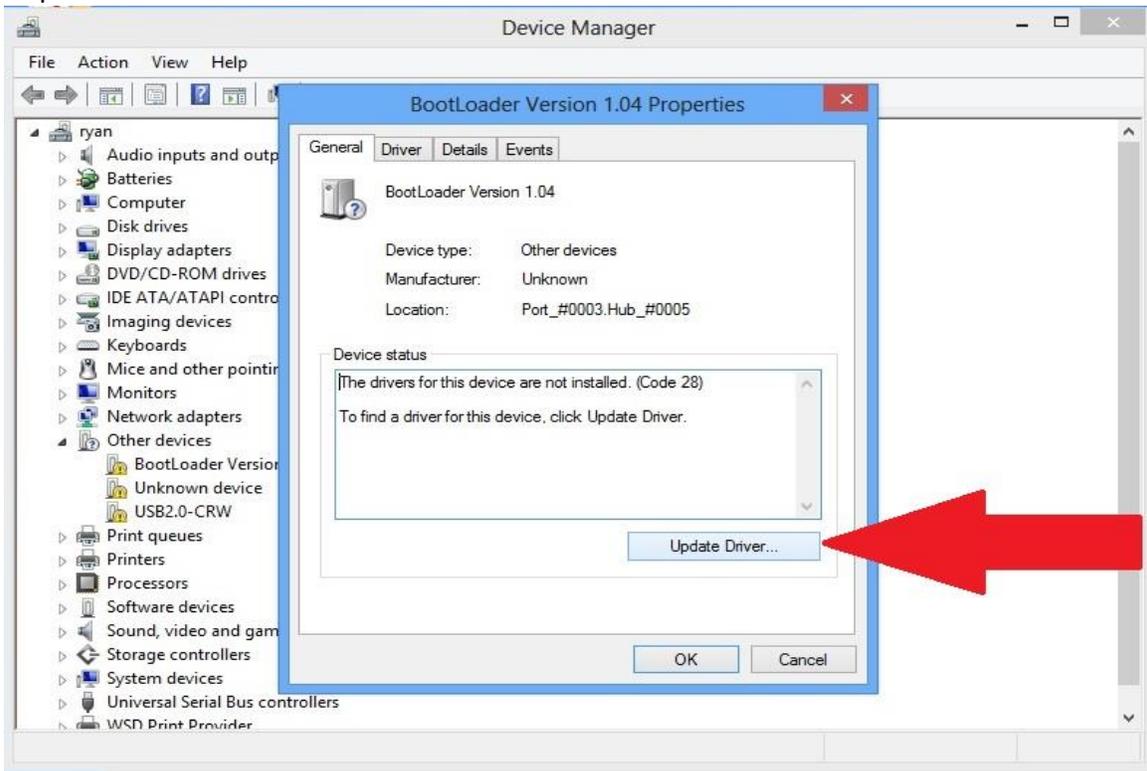
Click on “Properties”



# Windows8 (continued)

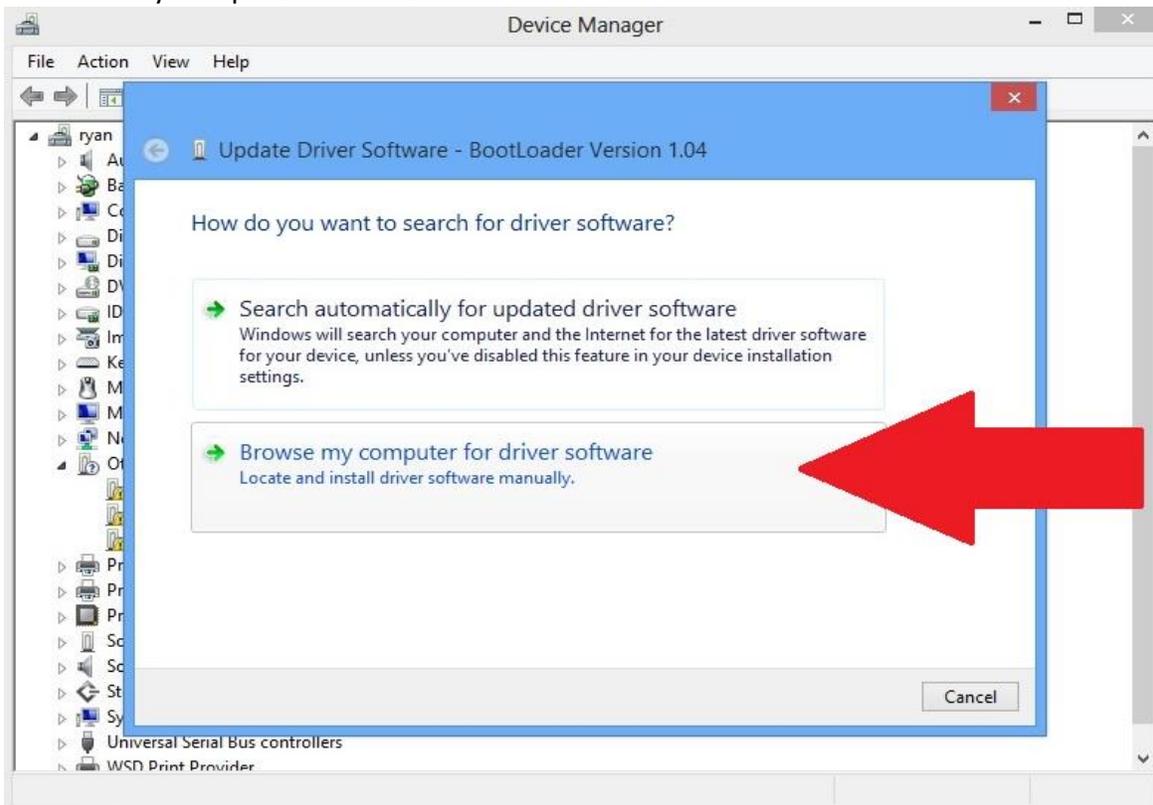
## Step19

Click on “Update Driver”



## Step20

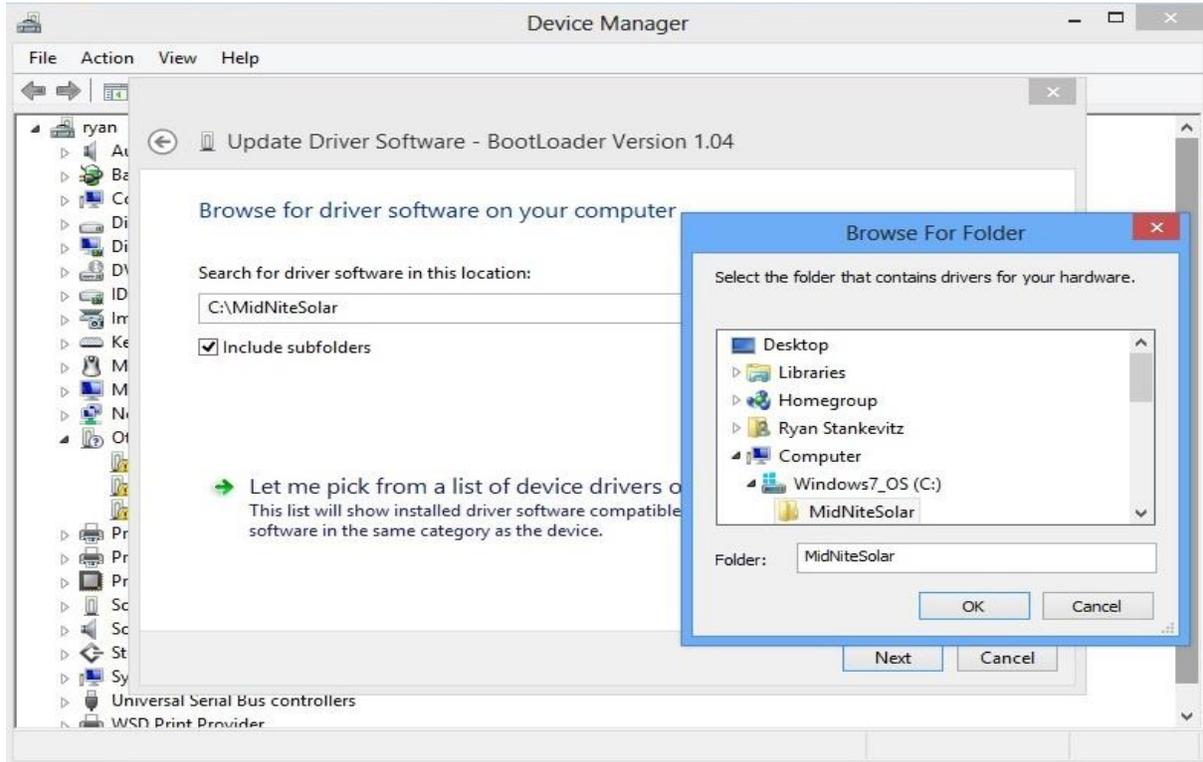
Click on “Browse my computer for driver software”



# Windows8 (continued)

## Step21

Using the browse button navigate to the C:\MidNiteSolar folder and click on it. Then Click OK in the Browse for Folder window.



## Step22

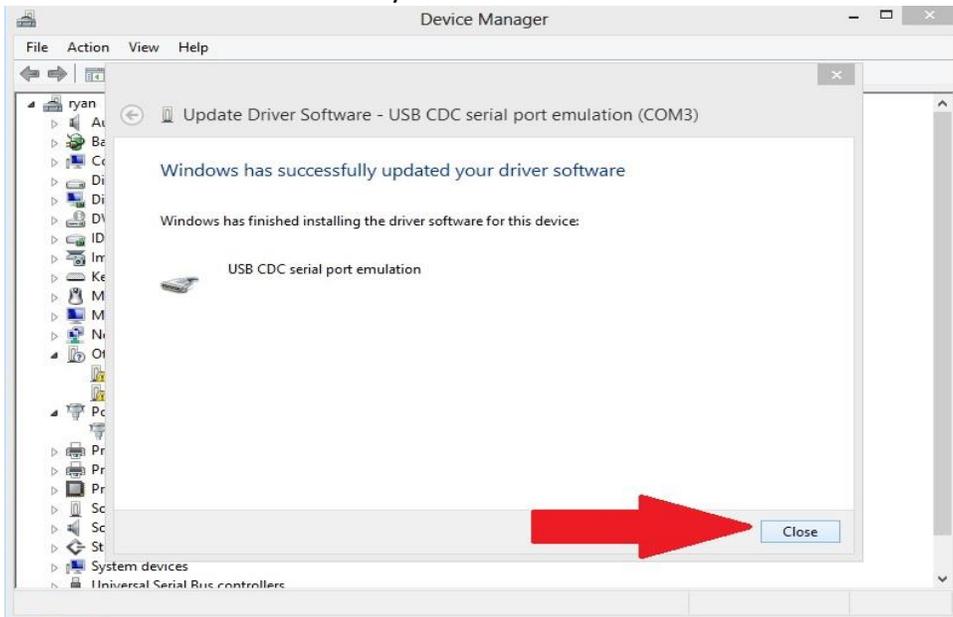
Click on the "Install this driver software anyways" button



# Windows8 (continued)

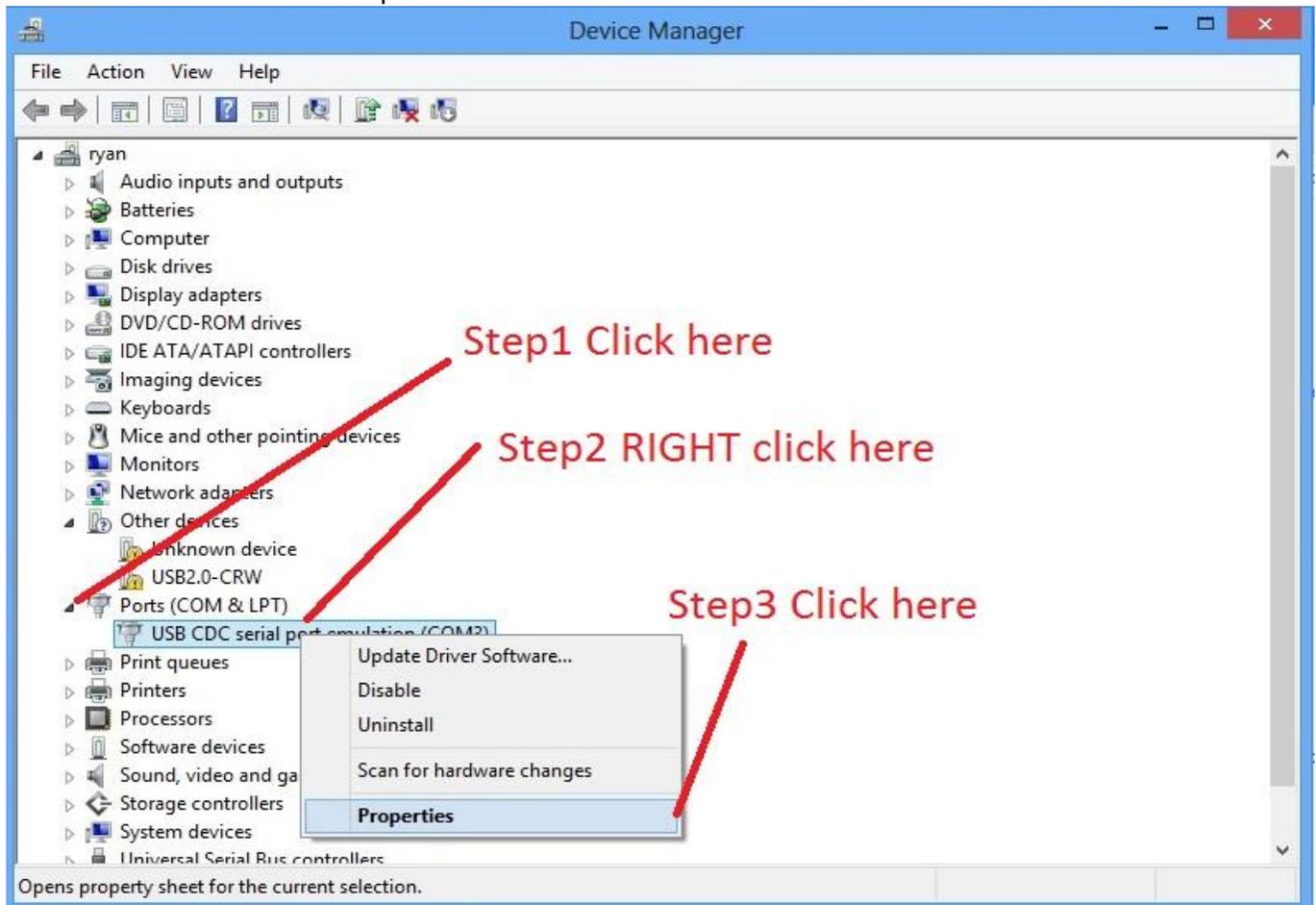
## Step23

Click "Close" when the software is successfully installed



## Step24

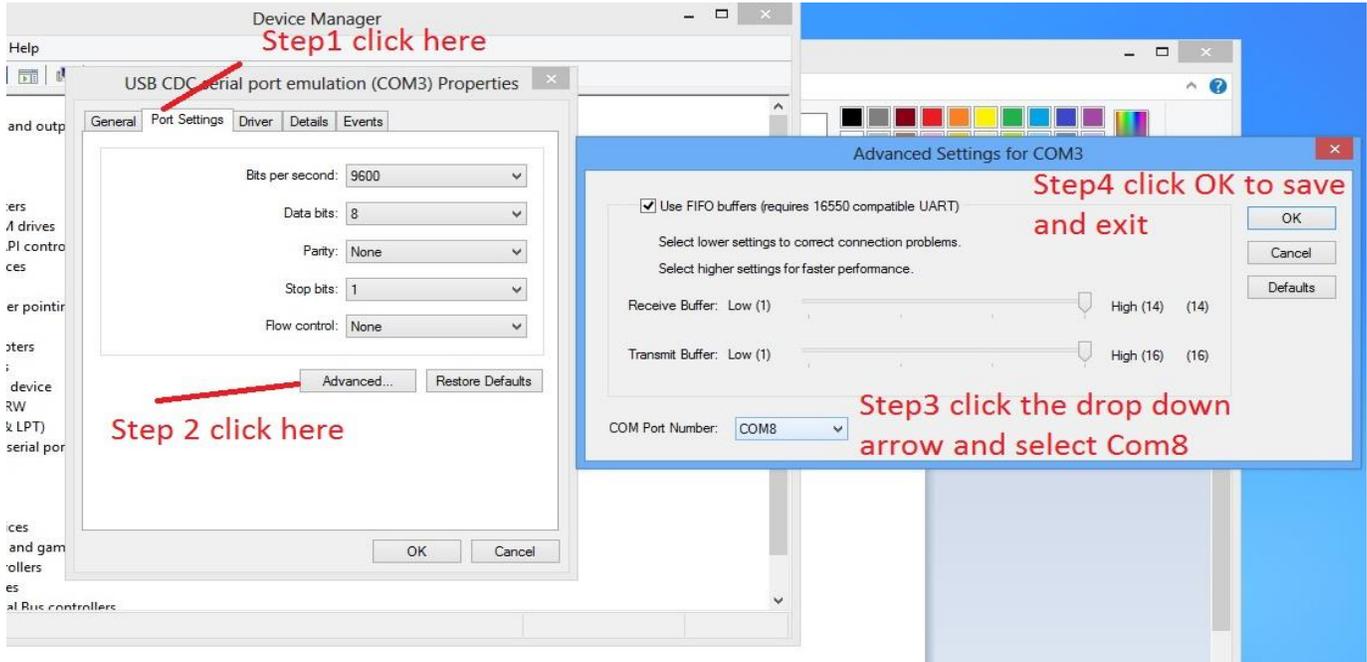
Left click the little arrow beside Ports (Com&LPT) Now Right Click on the "USB CDC serial port emulation". Now click on "Properties"



## Windows8 (continued)

### Step25

Click on the “Port Settings” tab. Now click on the “Advanced” tab. Now click on the drop down arrow beside Com port number and select “Com8” and finish by clicking “OK”

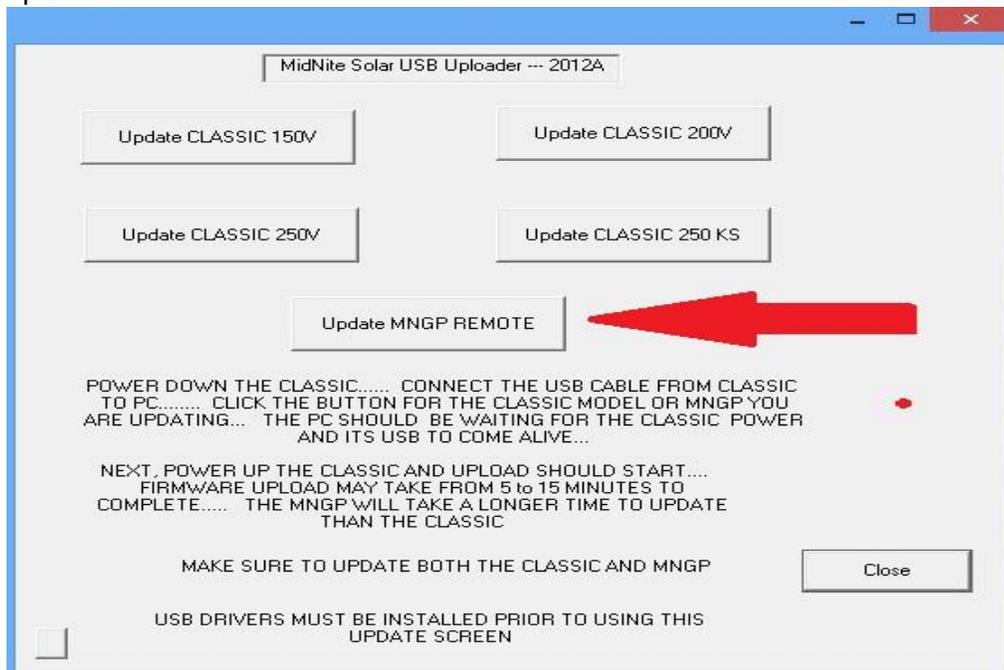


### Step26

Close out all the remaining windows left open on the desktop and turn the power off to the Classic by switching off the PV side breaker and then the Battery side breaker.

### Step27

Find the Midnite updater icon on the desktop and double click it. This should open up the Midnite Updater. Now you need to select the MNGP first if this is a standard classic if not and you have a Classic Lite skip to Step 29

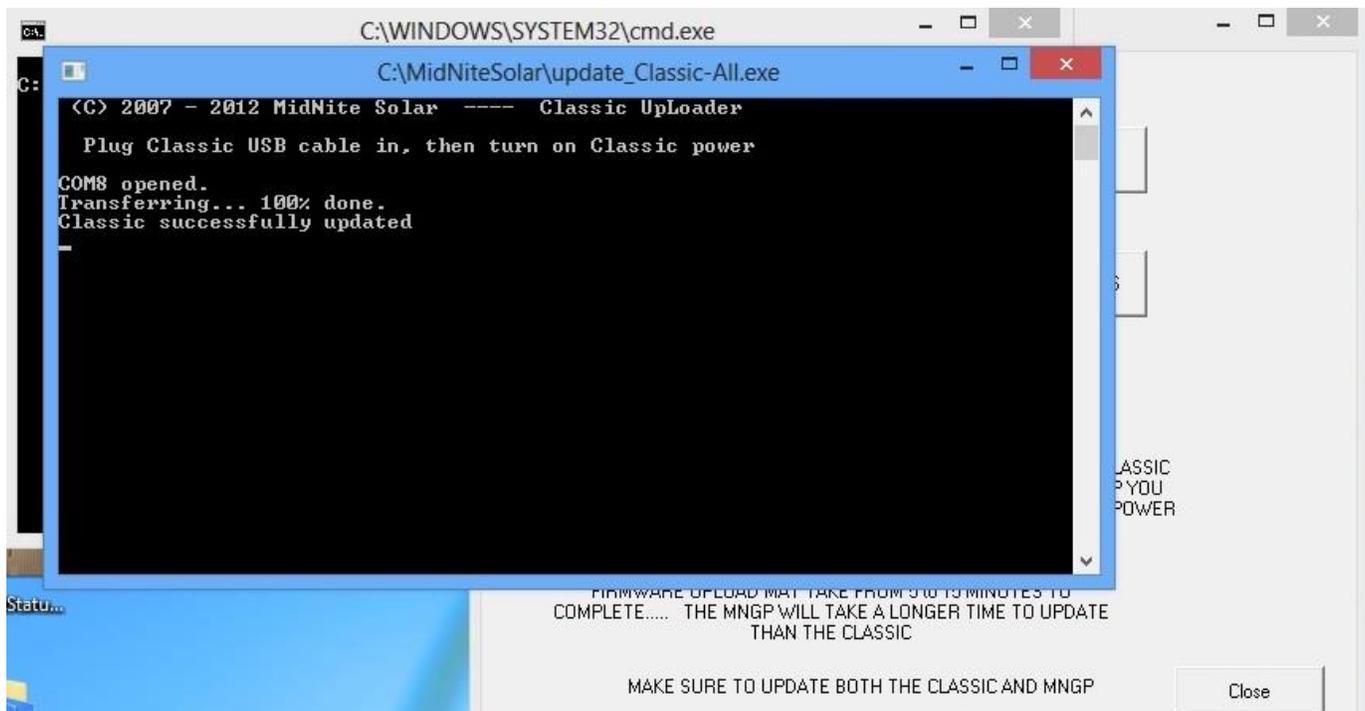


## Windows8 (continued)

### Step28

The first Black box will pop up and then a Windows security warning will pop up. Click to continue and ignore the security warning. A second black box will pop up. At this time turn the Battery breaker on to the Classic and it should say “Com8 Open” and start counting from 0 to 100%. If it gives you an error saying “Check Cable” try it 3-4 times and then try a different cable. When it gets to 100% let it keep going in a short period of time a message will pop up saying “ now it is ok to turn the power off to the classic and close any remaining black boxes and continue to step 29

Please note the Display on the front half of the Classic is the MNGP and it must be plugged in to do the firmware update.



### Step29

Now we need to click on the Classic model we have. If you are unsure what model you have (150, 200, 250 or 250KS) look on the right hand side near the top of the Classic there will be a label with the model number on it. At this time the first Black box will pop up and then a Windows security warning will pop up. Click to continue and ignore the security warning. A second black box will pop up. At this time turn the Battery breaker on to the Classic and it should say “Com8 Open” and start counting from 0 to 100%. If it gives you an error saying “Check Cable” try it 3-4 times and then try a different cable. When it gets to 100% let it keep going in a short period of time a message will pop up saying “ now it is ok to turn the power off to the classic and close any remaining black boxes as well as the MidNite updater.

### Step30

Now you will need to turn the power off to the Classic unplug the USB cable and turn it back on to reboot the Classic. At this time you need to check all custom settings to verify they are still correct and nothing got changed during the update. If everything looks correct turn the PV breaker back on and the Classic should wake up and go back to work.