

We're pleased to inform you that Aware Electronics have provided the CNS with a custom version of their Aw-Radw software 8.4a. There are two new versions: one for a serial interface, and one for use with an Aware USB-MSP interface. Both offer:

- a “Windows® installation wizard”-compatible installation with Windows® XP, Vista Windows® 7, and Windows® 8 (8 -- not tested yet by the CNS)
- including the optional installation of the drivers for the USB-MSP interface (serial port drivers must be manually installed); and
- a “CNS’s Geiger Aw-Radw” shortcut that launches the program with the CNS-recommended configuration.

This software has been tested with Windows® XP, Vista, and Windows® 7 Home Premium.

There are 3 possible installation modes:

1. You have a CNS Geiger Kit with a USB-MSP interface.



2010 or earlier USB-MSP Interface



2011 and later USB-MSP Interface

- a. You are installing the new software for the first time on this pc
 - b. You are updating a previous version of the software on this pc
2. You have a CNS Geiger Kit with a USB serial port interface & divide by 2 adapter, or a computer with an internal serial port interface or equivalent adapter **and** a Windows® XP or Vista pc.
 - a. You are installing the new software for the first time on this pc
 - b. You are updating to the new software on this pc.



Green USB serial port interface (PL2303) & Red divide by 2 adapter



Internal classic serial port (10101) or a PCI interface as shown above with a beige or red cable connector

(A desktop computer with Windows® 7 *may* have a classic serial port on the motherboard with a back panel connector, or *may* require an optional connector assembly that connects to a pin header on the motherboard with the connector mounted in a PCI bus slot rear panel opening. In either case, the operating system should be able to acquire driver software from the internet. A PCI bus serial port is an inexpensive addition to a Windows® 7 pc if there is a spare slot. If a classic port is available the serial version of the software should work – but you will require the ordinary cable connector – not the divide by two adapter – contact the CNS.)

3. You wish to install to a USB drive for use on multiple computers – note, the interface driver(s) must be installed on each computer.

NOTE: You may require “Administrator” privileges to install this software on a school computer. If your school IT security measures prevent you from installing the drivers and/or software then you will require IT support for the installation.

Laptop computers:

If you are upgrading from Windows® XP to a newer Windows® 7 (or 8) laptop and you have a “USB Serial Port and Divide-by-two” interface, you will need a new interface. There are no Windows® 7 drivers for the older Please contact the CNS if you do not have either of the new USB-MSP interfaces.

If you have a new interface please see the USB-MSP instructions. You must use the version of the AW-RADW software included on this CD with the new interface. The old version you had installed previously won't work.

Note: Where's the shortcut? The computers at one school board are configured such that the teachers do not have access to the “Desktop”. To start the program in such a case:

1. Click on the Windows® icon lower left, or press the “Windows Start” key
2. Click on “All Programs”
3. Click on “CNS's Geiger ...”
4. Click on the icon that appears immediately below.

Installation Instructions:**1. You have a CNS Geiger Kit with a USB-MSP interface**

1b. If you have a prior software version installed, it is recommended that you remove it:

- a) The older (non-“cns_setup ...” with “CNS’s Geiger ...”) software was normally installed in the C:\Aware directory.

Use Windows Explorer to locate this directory and delete it.

- b) Delete the “AW-RADW” shortcut on the desktop.
- c) If you have the newer CNS custom software installed:
 - a. Click on the Windows icon (or press the Windows Start key)
 - b. Select Control Panel
 - c. Select “Programs & Features” (Windows® 7) or similar option
 - d. Select the “CNS’s Geiger ...” and click on “Uninstall”

1a. There is no Aware Electronics software installed:

- a) Open the CNS CD, say D:\CNS2013 or similar
- b) Open the “Aware Electronics” folder
- c) Double click on the “cns_setup_msp.exe” file
- d) You will be prompted several times to authorize execution of the installation programs
- e) Follow the instructions presented during the installation (especially plug in the USB-MSP interface when instructed)
- f) When the program requests “wait for driver installation to be completed” – do exactly that, wait for the message from Windows
- g) If all goes well, the program should install and launch
- h) The placement of the “EXEC” window and the placement / size of the “Graph” window will need to be adjusted.
- i) Click on “Rad Collection” and “Stop Collection of Rad Data”, then click on
- j) “Exit” and “Quit”
- k) Your screen configuration of the windows will be saved and the program will come up with this arrangement when you next run the program.

2. You have a CNS Geiger Kit with a USB serial port interface

- 2b. If you have a prior software version installed, it is recommended that you remove it:
- a) The older (non-“cns_setup ...” with “CNS’s Geiger ...”) software was normally installed in the C:\Aware directory.

Use Windows Explorer to locate this directory and delete it.

- b) Delete the “AW-RADW” shortcut on the desktop.
- c) If you have the newer CNS custom software installed:
 - a. Click on the Windows icon (or press the Windows Start key)
 - b. Select Control Panel
 - c. Select “Programs & Features” or similar option
 - d. Select the “CNS’s Geiger ...” and click on “Uninstall”

- 2a. There is no Aware Electronics software installed:
- a) Open the CNS CD, say D:\CNS2013 or similar
 - b) Open the “Aware Electronics” folder
 - c) Double click on the “cns_setup_ser.exe” file
 - d) You will be prompted several times to authorize execution of the installation programs
 - e) If the serial port drivers were installed previously, allow the program to launch on the completion of installation
 - f) If the software is being installed for the first time on a Windows® XP or Vista computer, you will need to install the serial port drivers:
 - a. Open the USB Serial Port Driver folder on the CD
 - b. Click on the PL2303_Prolific_DriverInstaller_v110.exe
 - c. Follow the instructions
 - d. IF this driver installer fails on your system, open the Legacy Driver directory and run the older PL2303 driver installer.
 - g) With the application and driver installed, plug in the interface and Geiger connected. There should be a “driver installed” notice this first time.
 - h) Start the CNS’s Geiger ... program. The software will detect the interface and Geiger and automatically start counting.
 - i) The placement of the “EXEC” window and the placement / size of the “Graph” window will need to be adjusted.
 - j) Click on “Rad Collection” and “Stop Collection of Rad Data”, then click on
 - k) “Exit” and “Quit”
 - l) Your screen configuration of the windows will be saved and the program will come up with this arrangement when you next run the program.

3. You wish to install to a USB drive for use on multiple computers

For either version of the program, it is possible to install the program on a USB drive and run the program from it – **PROVIDED THE COMPUTER SECURITY SETTINGS WILL ALLOW EXECUTION OF A PROGRAM FROM A USB DEVICE**. Most anti-virus software will make this difficult, if not impossible without IT assistance.

Moreover, the applicable interface drivers must be installed on each computer.

The USB-serial port adapter driver may be installed as described previously:

- a) If the software is being installed for the first time on a Windows® XP or Vista computer, you will need to install the serial port drivers:
 - a. Open the USB Serial Port Driver folder on the CD
 - b. Click on the PL2303_Prolific_DriverInstaller_v110.exe
 - c. Follow the instructions
 - d. IF this driver installer fails on your system, open the Legacy Driver directory and run the older PL2303 driver installer.

For the USB-MSP interface, the instructions are included in the “USB-MSP driver” folder.