How to install the Firmware

There are two programs that need to be installed before you can upload software on the Seeeduino's

Download and install Ardunio: http://arduino.cc/en/Main/Software

Download and install tortoisesvn: http://tortoisesvn.net/downloads

1) Get the your log in data from Jerry
2) Open file manager
3) Go to the directory were you want to save all of the repository data
4) Right click in the file manager and select SVN Checkout
5) Enter in the URL: https://129.82.106.205/svn/BuildingEnergy
6) Remember you need to be connected to the CSU Engr. network

To load software on to the boards. For additional example go to:
http://seeedstudio.com/wiki/Seeeduino_Stalker_v2.0#Key_Technical_Specifications
and go to Usage section.

1) Plug in the Seeeduino to the UartSBee and the UartSBee to your computer.
2) Open Ardunio IDE.
3) Go to File → Preferences and change your Sketchbook location :
   (~/BuildingEnergy/trunk/Arduino).
   Note: ~ is the location of your repository
   Alternately: copy file to your sketchbook. This is not suggested.
4) Go to Tools → Board → Ardunio Pro or Pro Mini (3.3v,8MHz) w/Atmega328
5) Go to File → Open; scroll to ~/BuildingEnergy/trunk/NodeFirmware-Installed/NodeFirmware –
   2011_12_07/NodeFirmware/, click on NodeFirmware.pde
6) A new window will open, (you can close the first window) go to Tools → Serial Port → (The
   code port your seeeduino is attached to)
   Note: go control panel → device manger; to find were the Seeduino is attached too.
7) There are 7 icons, The first icon (or play icon) is the compile button, the sixth button is the
   upload button, press this button to upload the software.
   Note: upload can also be found: file → Upload to I/O Board.
8) To test the code make sure the debug varables are set high, and click the seventh button to put
   up the Serial Monitor.
   Note: Serial Monitor can also be found: Tools → Serial Monitor.

If you have any question you can e-mail me at: kspremo@rams.colostate.edu