Connecting to the Orbio 5000-Sc LCD Interface Panel via an Ethernet Cable



The LCD Interface Panel has an Ethernet connection port that allows you to communicate with the Orbio 5000-Sc via a hard wire connection.



Connect the other end of the Ethernet Cat5e cable to your computer.



Connect a standard Ethernet Cat5e cable to the Orbio 5000-Sc LCD Interface Panel.

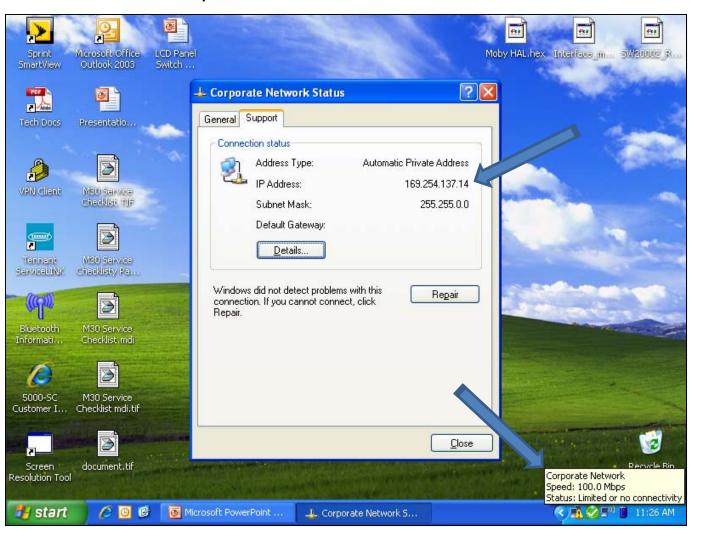


Note: It may take as long as three minutes for the computer to establish a connection to the Orbio 5000-Sc local NETWORK.

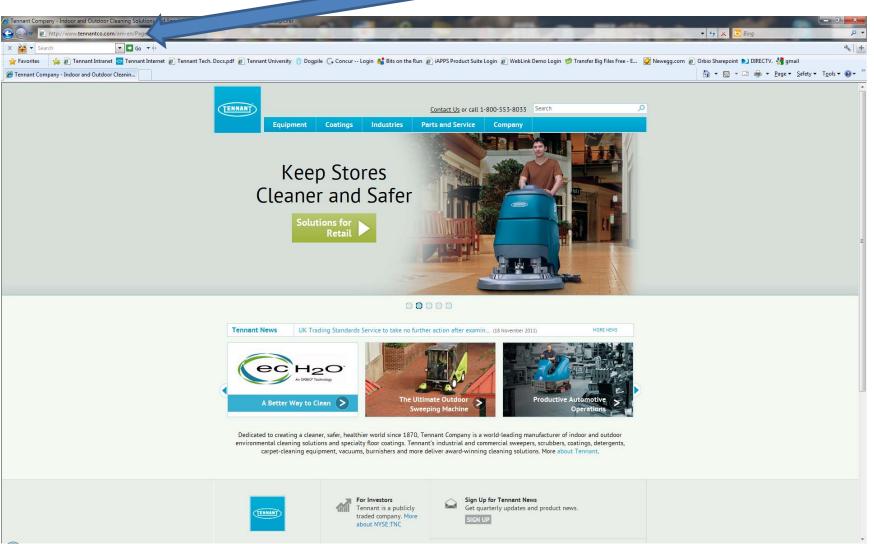
When a connection is established you'll see the IP Address change to a number other than 0.0.0.0.

When you roll over the network icon in the task tray, you'll see the message 'Status: Limited or no connectivity'.

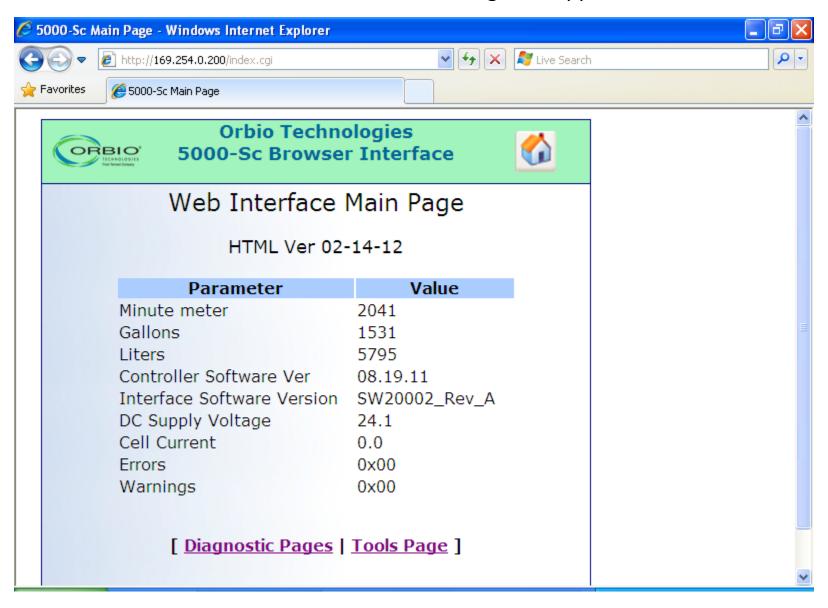
This is what you want to see! You're ready to communicate with the Orbio 5000-Sc.



Start your Internet Browser. In the address field type: 169.254.0.200 and press enter.



The Orbio 5000-Sc Web Interface Main Page will appear.

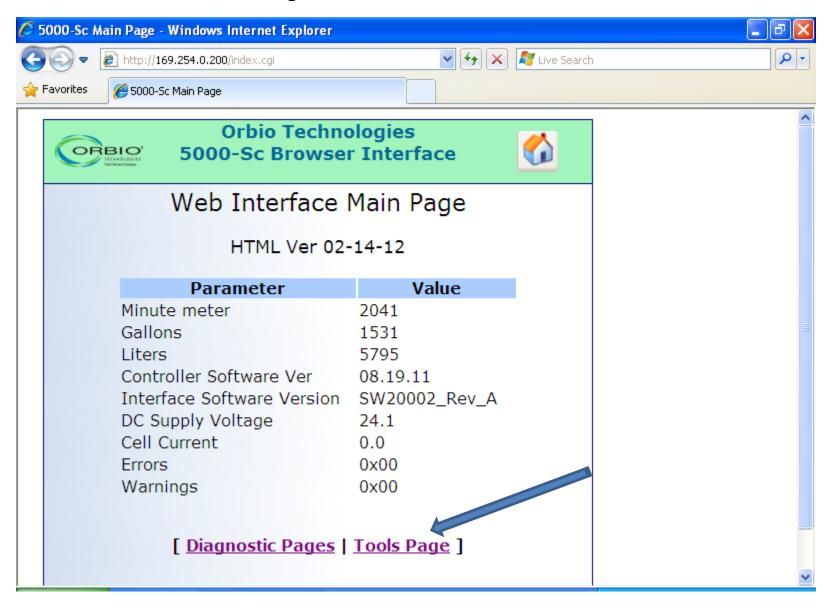


Updating the Orbio 5000-Sc Firmware via an Ethernet Cable Connection.

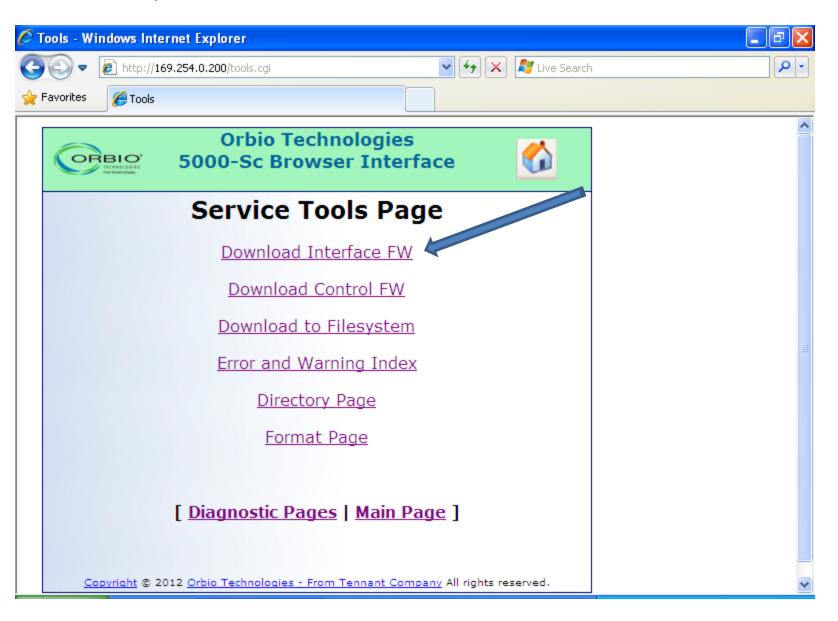
You will need to download the latest firmware files prior to performing this function.

For this procedure it is assumed that you placed the files on the desktop of your computer.

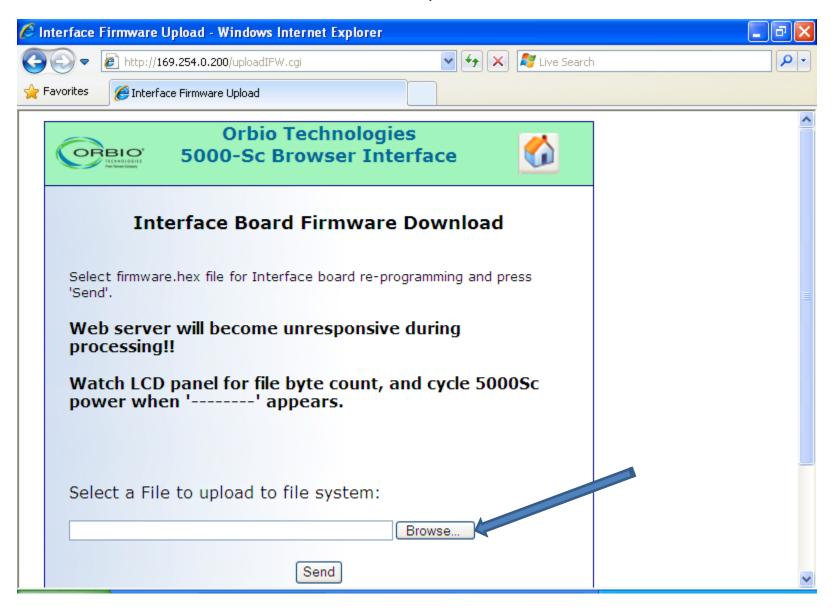
Click on the 'Tools Page' link at the bottom of the window.



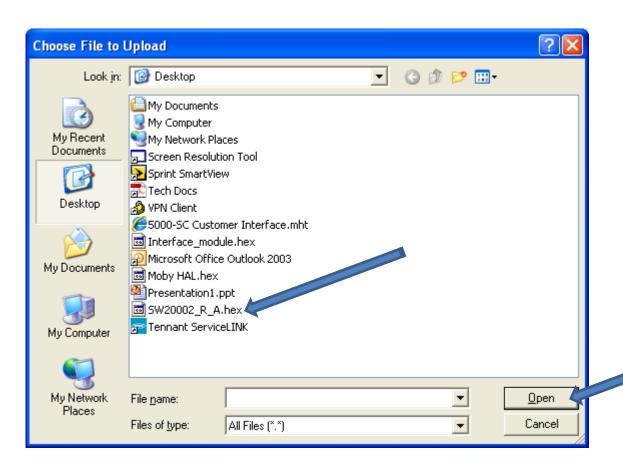
Once you have obtained the Firmware Update Files from Minneapolis Technical Support and placed them on your computer desktop, click on the 'Download Interface FW' link.



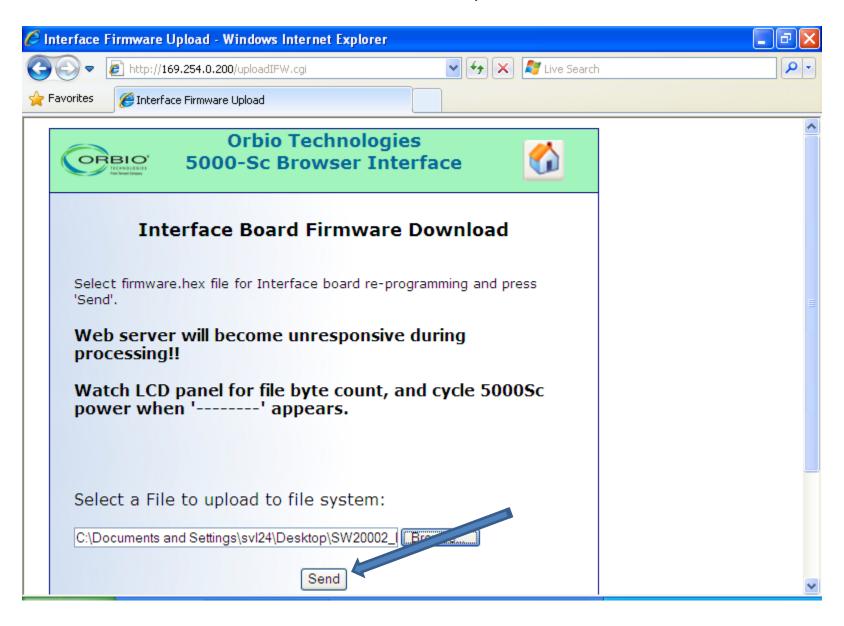
To find the Control Board Firmware file, click on the 'Browse' button.



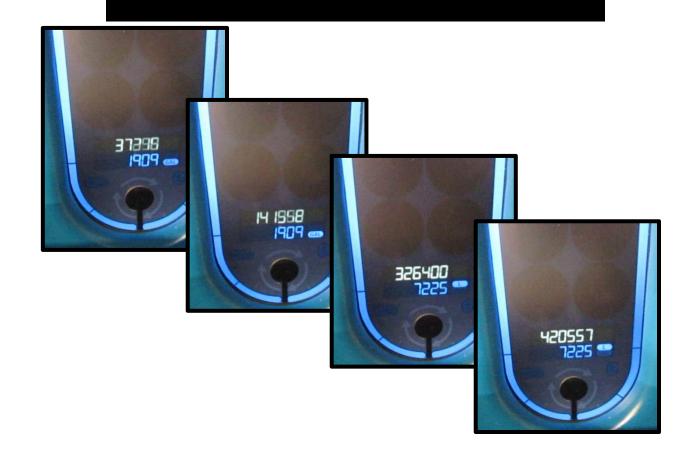
Navigate to the Desktop, choose the Interface Board Firmware file and click on the 'Open' button.



To send the Interface Board Firmware file, click on the 'Send' button.



Once you've pressed the send button, the Interface Firmware
Upload will start.
You'll see a counter on the
Interface Panel start counting up.



Once the number stops
climbing for more
than 15 seconds,
reboot the Orbio 5000-Sc
by disconnecting
and reconnecting the power.



When the counter stops climbing another counter will start on the bottom line.



The system will reboot automatically and return to normal operation.



Rebooting



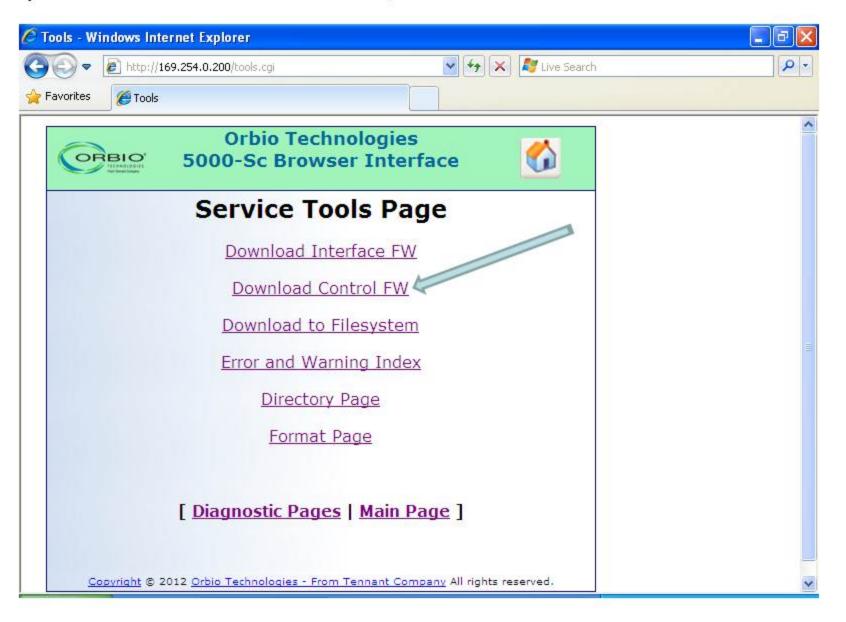
Indicating Gallons Generated



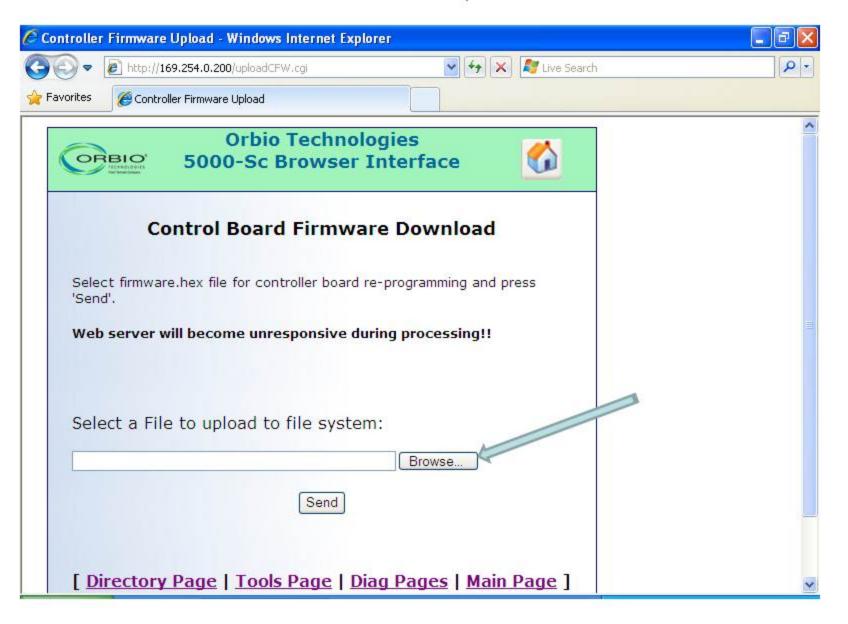
Indicating Liters Generated

You have successfully updated the Interface Panel Firmware!

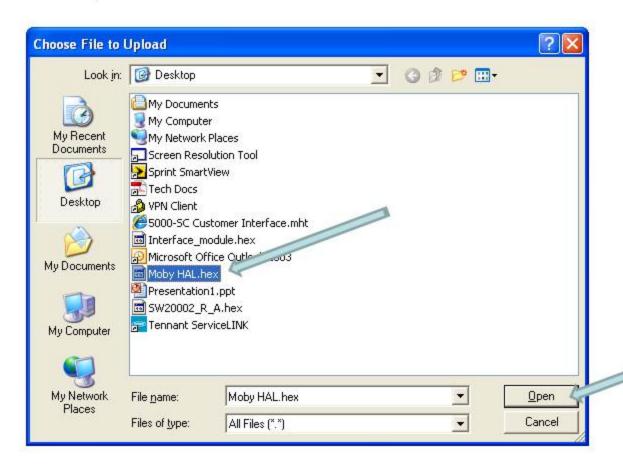
To update the Control Board Firmware, click on the 'Download Control FW' link.



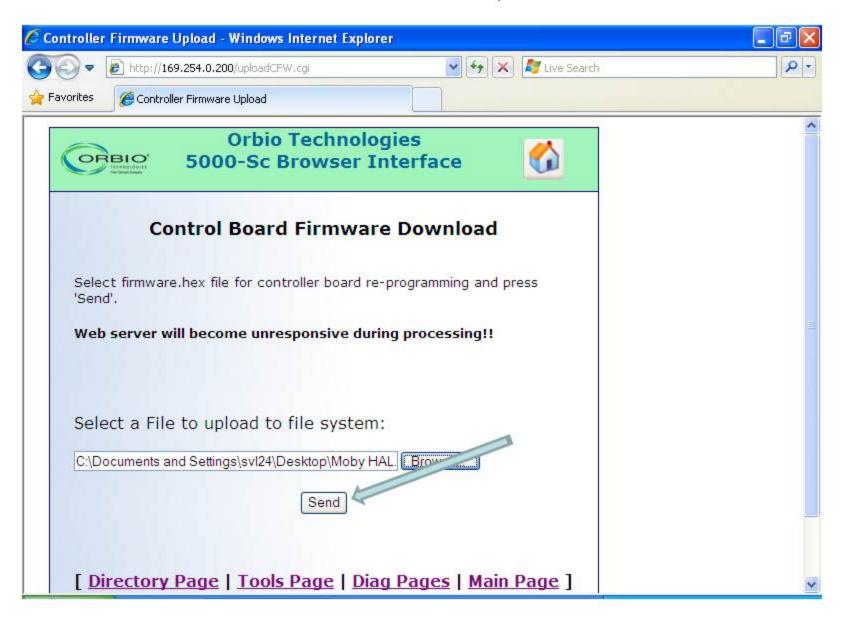
To find the Control Board Firmware file, click on the 'Browse' button.

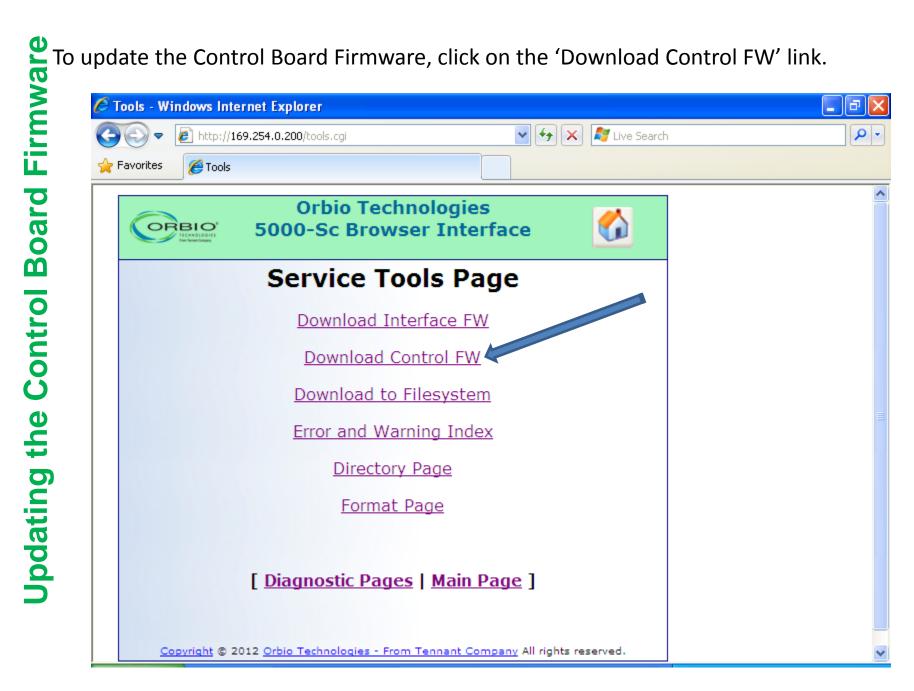


Navigate to the Desktop, choose the Control Board Firmware file and click on the 'Open' button.

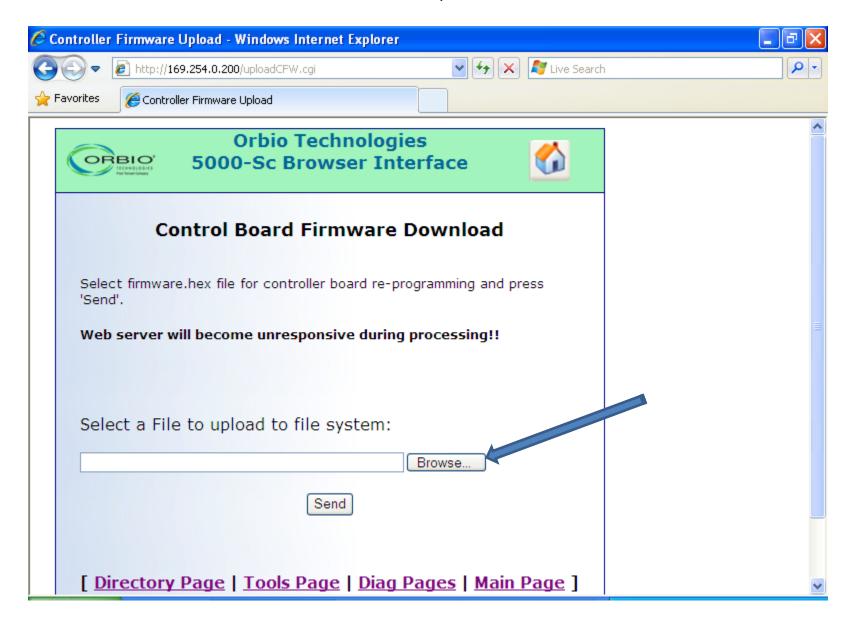


To send the Control Board Firmware file, click on the 'Send' button.

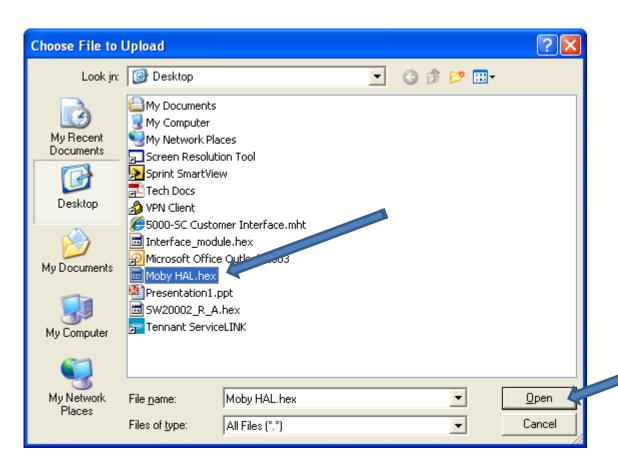




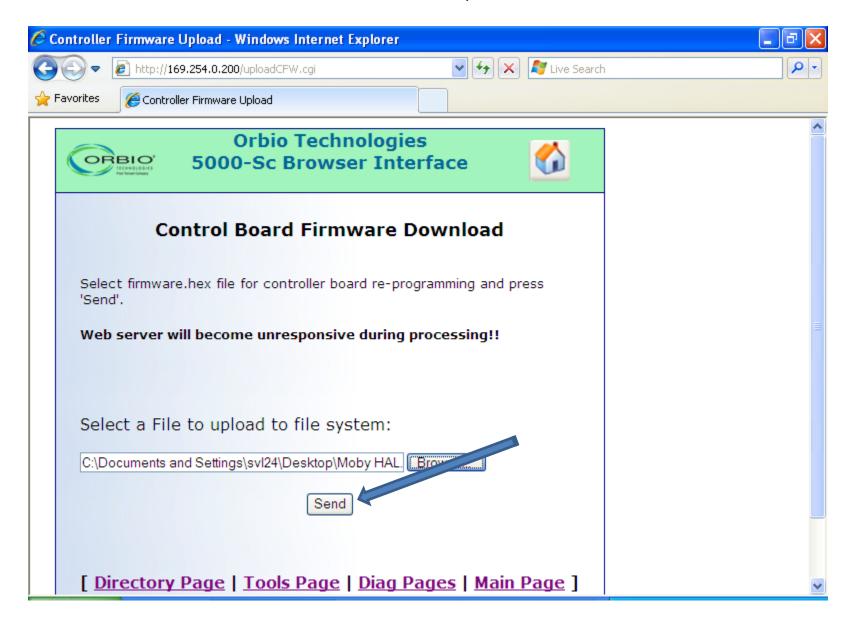
To find the Control Board Firmware file, click on the 'Browse' button.



Navigate to the Desktop, choose the Control Board Firmware file and click on the 'Open' button.



To send the Control Board Firmware file, click on the 'Send' button.



Once you've pressed the send button, the Control Firmware
Upload will start.
You'll see a counter on the
Interface Panel start counting up.



Once the number stops
climbing for more
than 15 seconds,
reboot the Orbio 5000-Sc
by disconnecting
and reconnecting the power.



After a few minutes, the system will reboot automatically and return to normal operation.



Rebooting



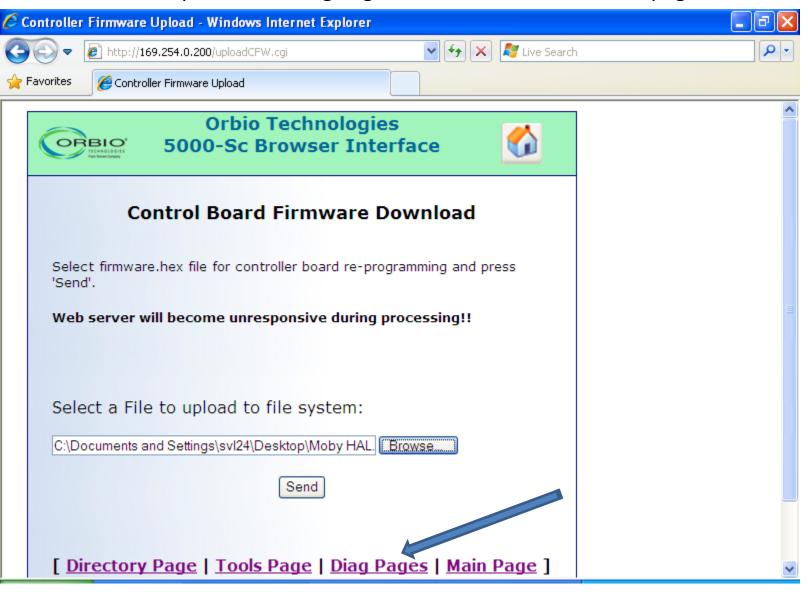
Indicating Gallons Generated



Indicating
Liters Generated

You have successfully updated the Control Firmware!

Press the 'F5' key on the top row of your computer keyboard to 'Refresh' the screen. For the next step, click on 'Diag Pages' link at the bottom of the page.



Confirm the Controller and Interface Software Versions match the current files you downloaded.

