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



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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.

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Tech Docs	Presentatio	Corporate Network Status ? General Support Connection status Address Type: Automatic Private Address	
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5000-SC Customer I	M30 Service Checklist mdi.tif		
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The Orbio 5000-Sc Web Interface Main Page will appear.

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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.

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

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	Interface Board Firmware Download	
	Select firmware.hex file for Interface board re-programming and press 'Send'.	≡.
	Web server will become unresponsive during processing!!	
	Watch LCD panel for file byte count, and cycle 5000Sc power when '' appears.	
	Select a File to upload to file system:	
	Browse	
	Send	~

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



Board Firmware Updating the Interface

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.





The system will reboot automatically and return to normal operation.



Rebooting



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You have successfully updated the Interface Panel Firmware!

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	Copyright © 2012 Orbio Technologies - From Tennant Company All rights reserved.	

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

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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.



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

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[<u>Directory Page</u> <u>Tools Page</u> <u>Diag Pages</u> <u>Main Page</u>]	~

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



Updating the Control Board Firmware

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.



<u>After a few minutes</u>, 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.

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Web server will become unresponsive during processing!!	
Select a File to upload to file system:	
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