New Brunswick S41i CO_2 Incubator Shaker Updates

Date/File/Version	Description of Changes
6-August-2014 **M1334 Display Version 1.96.exe**	Update improves internal communication between system components. Reduces communication error registry logged events.
6-August-2014 **M1334 IO Controller Version 1.40.exe**	Internal test function added.

Instructions

Before running the update, determine which software version is currently installed in your controller:

- Turn on your New Brunswick S41i Incubator Shaker
- The initial screen will display the controller software version; this upload requires more detail than the initial display
- Once unit is initialized, use the touch screen controls to enter “Menu”
- Navigate using the arrows to menu screen 2 of 2
- Press diagnostics button
- View the software version on page 1 of 11

If the installed software is lower than the latest versions listed above, perform the upgrade as listed below. You may want to print this page for easy access to the instructions while you work.

1. Install a USB external memory device into the computer's USB drive connection **(Note: USB must be a FAT32 file system. Filing systems such as NEST will not work properly. This can be checked by viewing properties for the USB device while attached to a computer)**
2. Go to the Saved files on your hard drive and double click the first file
3. Pop up menu comes up – Select Run
4. From the pop up menu - under "Unzip to folder" – click "Browse" and select USB external memory device (Removable Disk)
5. Select Unzip button and Okay
6. After download is complete select "Close" to close the dialog box
7. Go to the Saved files on your hard drive and double click the second file
8. Pop up menu comes up – Select Run
9. From the pop up menu - under "Unzip to folder" – click "Browse" and select USB external memory device (Removable Disk)
10. Select Unzip button and Okay

11. Remove the USB external memory device from the computer
12. First, you will install the Display Update
13. Navigate to “Menu” screen 2 of 2
14. Press “Update Display Firmware” to highlight option and press “Next”
15. Insert USB external memory device into the USB port located under the display bezel
16. Once the download is complete follow instructions on the screen (remove USB and power the incubator shaker off and on)
17. Second, you will install the I/O (Controller) Firmware Update
18. Navigate to “Menu” screen 2 of 2
19. Press the “Maintenance” icon
20. Press “Update Controller Firmware” to highlight option and press “Next”
21. Follow the on screen instructions to complete the install (install USB Device and press “Next”)
22. Once the download is complete follow instructions on the screen (remove USB and power the incubator shaker off and on)
23. Now, check to ensure firmware is operating correctly
24. Navigate to “Menu” screen 1 of 2
25. Select “General Settings”
26. Use arrows to navigate to “Day Month Year” screen
27. Set appropriate date
28. Use arrows to navigate to “Time” screen
29. Set appropriate time and press “Done”
30. Navigate to “Menu” screen 1 of 2
31. Select the “Summary View” icon
32. Return to “Menu” screen 1 of 2
33. Continue to cycle through the through the control screens to ensure that controls respond as expected. For guidance, refer to the Operating Manual M1334-0050.
34. Once Upload is complete the USB can be removed from the S41i USB Port and retained for future use

Congratulations! You have installed the latest performance enhancements for your New Brunswick S41i CO_2 Incubator Shaker. Check this page regularly for new revisions.