

## CelliGen® BLU (2nd Generation) Update – Version 2.02

### Description of changes:

Software revision 02.02 incorporates the following solutions/additions to improve the performance of your bioprocess controller:

- > Update for Corporate Identity
- > Update default Proportional and Integral values for pH loop

### Instructions:

Determine which software version is currently installed in your controller:

- > Turn on your fermentor/bioreactor
- > Select the Setup button from the bottom
- > Select the System Settings Tab
- > View the software version

If the installed software is lower than the latest version 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. Note - Some recipes may not be compatible with the system after firmware upgrades. We recommend manually recording all recipe values prior to upgrading your firmware, as well as backing them up on an external USB memory stick before performing the upgrade.
2. Install a USB external memory device into the computer's USB drive connection
3. Go to the Saved file on your hard drive and double click the file
4. Pop up menu comes up - Select Run
5. From the pop up menu - under "Unzip to folder" - click "Browse" and select USB drive (Removable Disk)
6. Select Unzip button and Okay
7. After download is complete select "Close" to close the dialog box
8. Remove the USB external memory device from the computer and insert it into your fermentor/bioreactor USB port on the back of the unit
9. On your fermentor/bioreactor, select the 'Setup' tab
10. We recommend to note down the vessel size and installed options for use in step 17
11. Select the 'System Settings' tab
12. Select the 'Refresh' button located in the 'Software' panel
13. In the 'Update Folder' list, select the file (\Update\_M1374\_2.02) to be installed
14. Select the 'Update' button and the update routine will begin
15. During this update routine, a few dialog boxes (sometime error messages) will pop up - Select "Yes" to all and the unit will automatically restart a few times
16. After the update is complete - you will come to the main screen
17. Select "Setup" button on bottom right - this will bring you to the "Controller Set up" screen. Check the vessel size and installed options.
18. Select "Save Changes" button - This will bring back your original loops settings and control
19. Verify that the new version is running by selecting the 'Setup' button and then the 'System Settings' tab. Under "Software" confirm you have "Revision 2.02"
20. The unit will now be running with the new version that was installed on it
21. The USB external memory device can be removed from the unit

Congratulations! You have installed the latest performance enhancements. Check the Eppendorf website regularly for new revisions.