

BioCommand® Track and Trend/Batch Control Update – Revision D

Description of changes:

Revision D includes the following enhancements:

- > Communication over TCP/Modbus protocol
- > Addition of proportional and integral (P&I) values to programming section
- > Addition of control mode selection to programming section
- > Addition of P&I, deadband, and totalizer values to Batch Summary, Datalog, and Reports

NOTE: This update is **required** for any current customer planning to use BioCommand with a BioFlo® 120 or BioFlo 320. The enhancements made to are specific to the TCP/Modbus protocol used in the BioFlo 120 or 320. There is no change to the functionality of BioCommand for all other bench-scale bioprocess equipment.

NOTE: It is recommended that all customers update their software, however, customers running Revision C BioCommand software packages with all other bench-scale bioprocess equipment are not required to install the update.

Instructions:

Determine which software version is currently installed in your computer:

- > End all running batches on BioCommand.
- > Select Help -> About
- > View version information
- > Close BioCommand and any other software that is related to NBS OPC server.

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. Go to the saved file on your hard drive and double click the file
2. Pop up menu comes up – Select Run
3. From the pop up menu - under "Unzip to folder" – click "Browse" and select desired location on your hard-drive (suggest "desktop")
4. Select Unzip button and Okay
5. After download is complete select "Close" to close the dialog box
6. Open the folder 'BioCommand TT BC update version 4.01' created on your hard drive.
7. Select setup.exe and follow instructions.
8. After the installation is complete, start BioCommand.
9. Verify that the new version is installed by viewing Version information in Help -> About.
10. BioCommand will now be running with the new version that was installed on your PC.

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