



TOTALFLOW

Technical Bulletin (147)

Reverting Back to NGC Factory Configuration Defaults

Totalflow Technical Bulletin
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Purpose

There are several ways to modify the configuration files within the NGC. They include:

- Using PCCU's save/restore utility to download a new set of configuration files



- Using PCCU's TFloder utility to download configuration files



- Using Activesync's explorer utility to revert back to factory defaults

This bulletin will describe using Activesync's explorer utility. This method will revert the configuration settings back to factory defaults even if the user accidentally changes local communication parameters thus eliminating the ability to use the other two methods.

There could be a time where critical configuration data is accidentally changed or erroneous results may require the unit to be reset to factory defaults. Inadvertently changing setup data, including critical local communication protocols settings, may require the user to revert all setup information (configuration data) to factory settings. This includes the following items:

- Communication port settings
- Calibration gas concentrations
- Instantiated applications
- NGC setup information
- Start-up wizard re-initialized
- Electronic pressure settings
- All application parameters including display changes

This procedure will step the user through resetting configuration data back to factory defaults.

Description

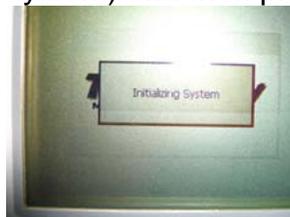
This procedure will require the user to delete both the "tfdata" folder (current setup data being used to operate the NGC) and "tfcold" folder (non-volatile backup of the setup data).

1. Place the NGC in hold mode (this step assumes that local communication is functional)
2. Collect historical information (this step assumes that local communication is functional)
3. Close PCCU/NGC software program

4. To delete the tfData folder it is advisable to force the NGC's operating system into "boot loader". The system may not allow you to delete active files when the NGC is in normal operation (running from FLASH).
5. Forcing NGC to boot loader:
 - a. Press the reset button on the NGC's termination board, you should see the following image on the NGC's display



- b. Wait about 8 seconds, until you see the following image (initializing system) and then press the reset button a second time



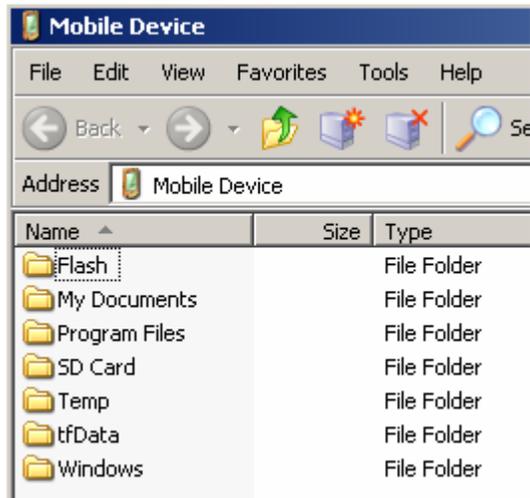
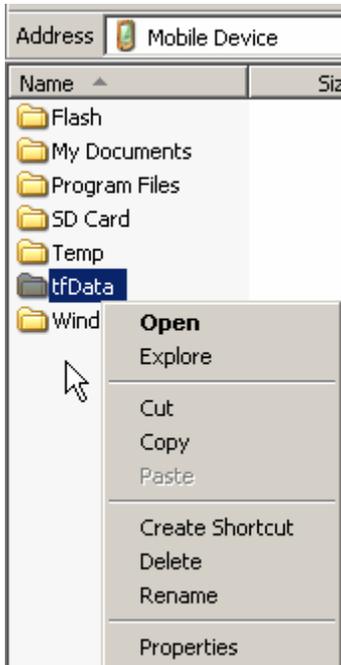
- c. The unit should now be in "boot loader" and to confirm you will see the following screen appear on the NGC display



6. Next, Right click on the activeSync icon  located in the system tray. You should see the following ActiveSync screen.
7. Select Explore



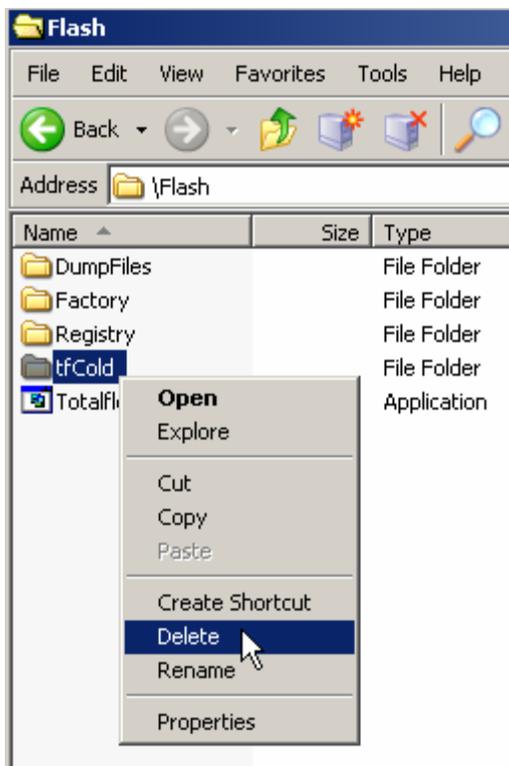
8. Highlight the "tfData" folder under mobile devices, right click and select "delete"
9. Verify the folder has been removed



10. Next, select the “Flash” folder



11. Right click on the tfCold folder under \Flash folder
12. Delete the highlighted tfCold folder
13. Verify the folder has been removed



14. Press the reset button once again on the termination board and this action should cause the \Flash\Factory\tfCold information that was saved at the factory to be copied to a newly created tfData directory. This action will force all parameters back to factory settings. The unit has successfully been reset if you see the “startup wizard” when you connect with PCCUNGC software.



Conclusion

This procedure should not be a normal operation. It should only be used when all other setup and troubleshooting options have been exhausted or used when a Totalflow technical specialist recommends this procedure. If you have questions call Totalflow support at (800) 442-3097 option 2.