

1470 Firmware Upgrade

Installation Instructions

Purpose

This document describes how users of the Solartron 1470 CellTest System can upgrade the firmware installed in these instruments to improve their performance.

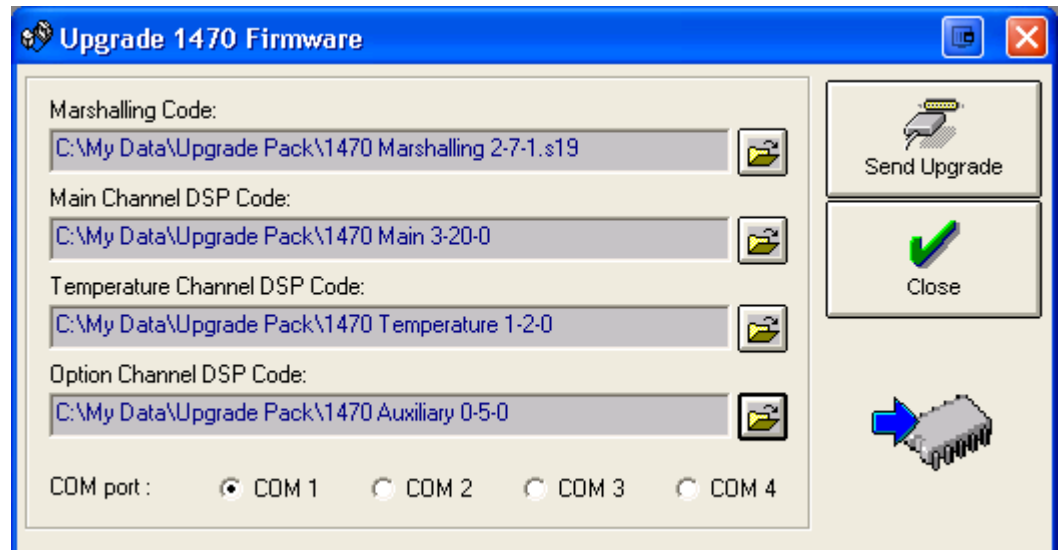
Requirements

Before proceeding, take a few moments to check that you have the following items to hand:-

- a) The 1470 CellTest System to be upgraded.
- b) A computer with a Serial Port (USB-Serial adapters can be used) and the CellTest Software installed. This is can be downloaded from the Solartron website. Note: the serial port must be Com 1 to Com 4. Higher Com port numbers are not supported.
- c) A 9-way straight-through Serial cable (not null-modem cable) connected from the Serial port on the PC to the 9 pin D-type connector on the 1470.
- d) The firmware upgrade pack extracted to a folder on the computer.

Procedure

- a) Run the CellTest program.
- b) From the 'Tools' menu, select 'Advanced Features' -> 'Upgrade Firmware'



- c) Click on each of the 'Browse' buttons in turn to select each firmware file. Note: the 'Option Channel' in the upgrade window is for the Auxiliary Voltage channels, and the firmware is named '1470 Auxiliary'

- d) Ensure the Serial cable is connected, and select the correct COM port.
Note: only Com 1 to Com 4 are supported. It may be necessary to assign a different Com port number for the serial port. See the Windows Help for how to do this.
- e) Click the 'Send Upgrade' button, and follow the on screen instructions.
Note: If the 1470 is powered up too early or too late, the upgrade process will not happen. If the upgrade is not working, try to switch on the 1470 about 1 second before clicking the final 'OK' button.
- f) After a few minutes, a message saying that the firmware has been upgraded successfully should come up and it will ask if you want to boot the 1470E.
- g) Click 'OK', and after about a minute, a message "All channels have booted successfully."
- h) Use either CellTest or Multistat to verify that the correct Firmware versions are reported.

Further Advice

If you require further help or assistance in performing this update then please contact our technical support via e-mail at **Jim.Mason@Ametek.com** or by telephone on +1 281 313 2477.



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