

Updating the VCP software

The software for the VCP800 can be updated to an improved or custom version using the download terminal application (DLT)

Notes:

- i) This software is written specifically for the VCP800 and will erase the previous version replacing it with the file that has been selected.
- ii) A valid VCP800 software update will have the mime type *.S19. This is the only type of file that can be uploaded to the VCP800.
- iii) To update the VCP software it is essential that the pump system is completely shut down.
 - 1) **Cryo System:** Pump off, valves closed, stage 2 temperature >270K
 - 2) **Diff System:** Diff pump, rotary pump roots pump off. Temperature <50degC, Valves closed
 - 3) **Turbo system:** Turbo pump off, rotary pump off, all valves closed.

Updating the software under any other conditions is likely to cause damage and/or injury.

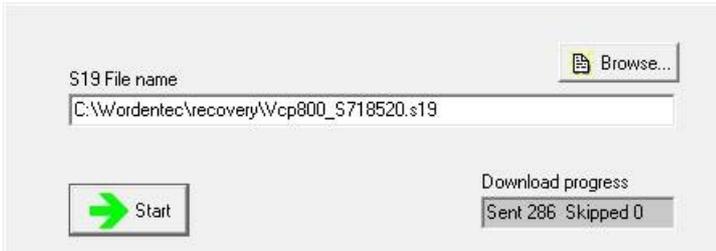
Procedure:

- 1) Vent the chamber. Shut the pump system down and allow enough time for the pumps to reach ambient temperature.
- 2) Check which com port is assigned to the VCP800, go to the VCP comms page by using the view/comms status menu at the top of the wave software screen. Find the VCP status panel and make a note of the com port.
- 3) Close the Wave software
- 4) Power down the VCP800. Most wave systems have the VCP800 on a separate fuse, normally fuse 8, pull this fuse out, wait for 10 seconds and then press and hold the button on the VCP800 as you put the power back on or push the fuse back in. This puts the VCP into download mode. When the VCP is in download mode the status lamp in the centre of the button will be permanently on
- 5) Open the DLT software. This is normally found in the [C:\wordentec\recovery\] folder of the system PC.
- 6) The software will open in a small window in the centre of the screen. Click "options/Com port" and select the com port assigned to your VCP800. If the com port is correct three green lights will illuminate as shown below.

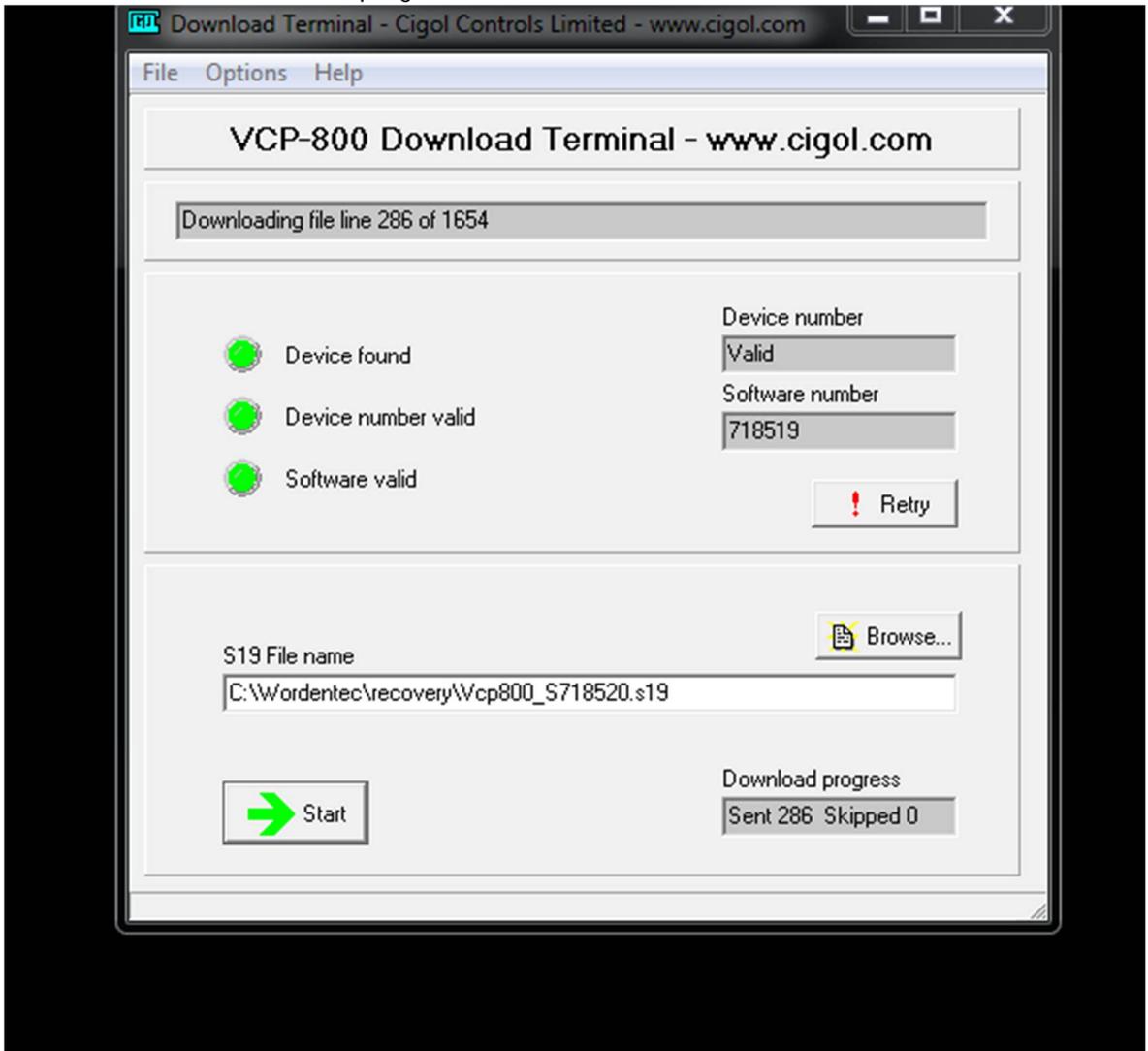


Note the software reference number

- 7) Locate the new version of the software from your file system using the browse button. This opens a windows file explorer window and the new software can be selected

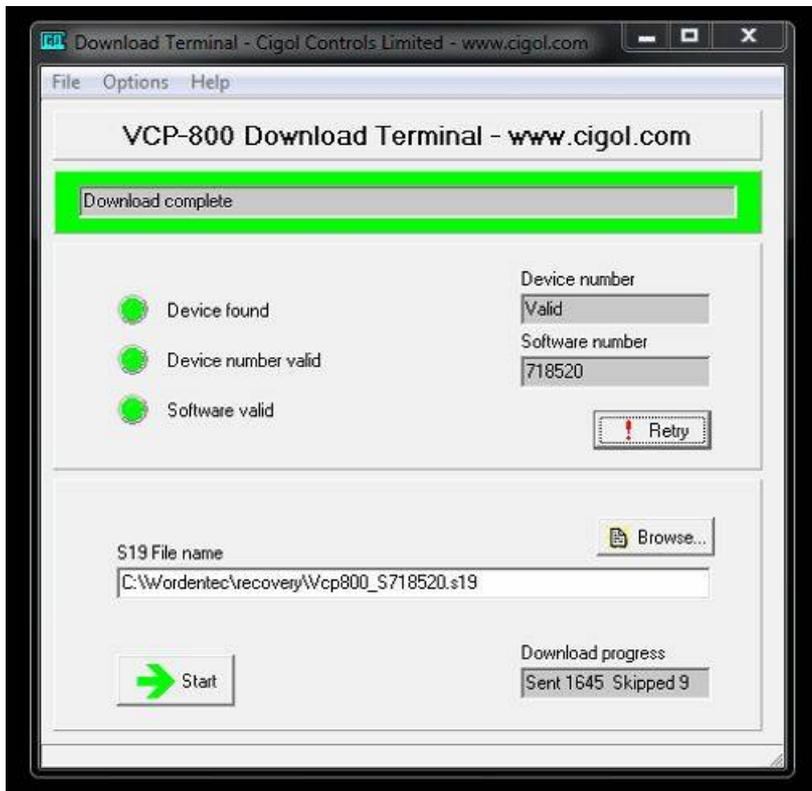


- 8) Press the start button and the program will install



The status will show the progress. A typical installation will be complete in approximately 3 minutes

- 9) When the installation is complete the DLT software will refresh itself and show that the download has completed. Note the new software number is now shown as the device software number.



- 10) Close the DLT software, power down the VCP800 as before except this time just wait for 10 seconds, then power back up. You will notice the VCP status lamp in the middle of the button is now flashing. The flashing lamp indicates that the VCP is in run mode.