

Renishaw CMM Products Division

PRODUCT BULLETIN – PBC1209

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| Product: | UCC2 controller – V7 | Status: | Open |
| Title: | Compliance with Windows Vista® | Date: | 9th May 2008 |

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|------------------|--|---------------------|---|
| Originator: | | Distribution: | |
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| | | Subsidiaries | ✓ |
| Reviewer: | | OEMs | ✓ |
| Brian Gow | | Distributors | ✓ |
| | | Retrofitters | ✓ |

Summary:

All future issues of UCC software will be compliant with Microsoft Windows Vista® and in order for a UCC2 controller to work with Vista we have to make a small change to the firmware of the UCC2.

Software Releases

A separate bulletin will be issued in the next week or so, that will detail the content of the next software releases.

Hardware Implications

The problem we have with UCC2 is that all units produced before the middle of April this year (mod level V6 and earlier) use an IP address of 0.0.0.0 during the pairing process. This is not a legal address for use with Vista; therefore PCs with Vista operating systems will not talk to these units.

All UCC2 controllers manufactured since the middle of April 2008 have new Vista compliant firmware incorporated and to make them easy to identify we have up-issued the version label on the back panel to V7. **All UCC2 version V7 (and later) units will be Vista compliant.** V7 units will still be compatible with earlier operating systems, Windows NT®, Windows 2000® and Windows XP® (professional).

We have produced a simple program that will update the firmware of V6 and earlier versions of UCC2 to make them Vista compliant. It is available from the “downloads and updates” section of our UCCserver.com website [<http://www.uccserver.com>] and is called **UCC_hd_update_2.exe**. A description of how to update a UCC2 is given below.

UCC2 Firmware Updater – Customer Instructions

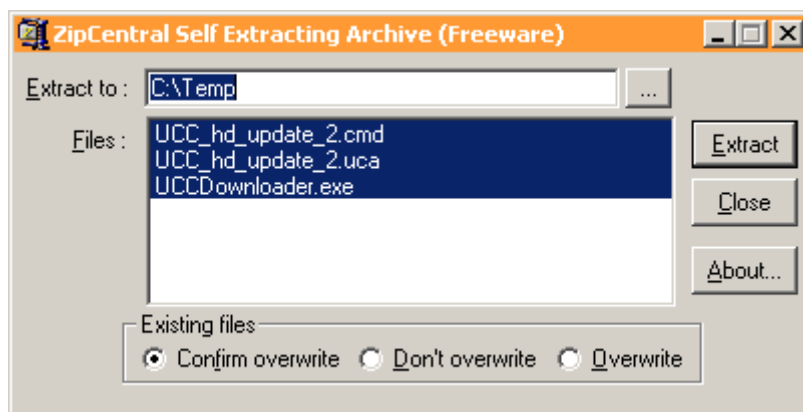
Important notes :-

- 1. This update cannot be performed using a PC with a Vista operating system. A PC with a Windows NT, 2000 or XP Pro operating system must be used.**
2. A previous firmware updater (UCC_hd_update_1.exe) was deployed in August 2006 (ref Product Bulletin PBC1008) this fixed a SP25 probe recognition problem. This second updater (UCC_hd_update_2.exe) also applies the first update if has not already been done.

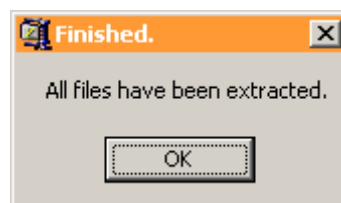
To upgrade a UCC2 controller it must be connected to a PC with UCC software installed, the software must be either UCCserver software V4.0 or later or UCC software V6.0 or later. The PC should be attached to the UCC2 in the normal way with a crossover Ethernet cable. If the PC and the UCC2 are not a matched pair, from an IP configuration point of view, then go through the IP configuration process as described in H-1000-5223, 'UCC2 Installation Guide' (section 3.3).

Update procedure:-

- 1) When you have downloaded the UCC2 updater program, "UCC_hd_update_2.exe", from the UCCserver website, or copied it from a transfer device (CD ROM, memory stick, etc), it should be saved in a folder on the PC's hard drive.
- 2) "UCC_hd_update_2.exe" is a self-extracting executable. Using Windows Explorer locate the "UCC_hd_update_2.exe" file and double-click it. This will open a dialogue box similar to the following:

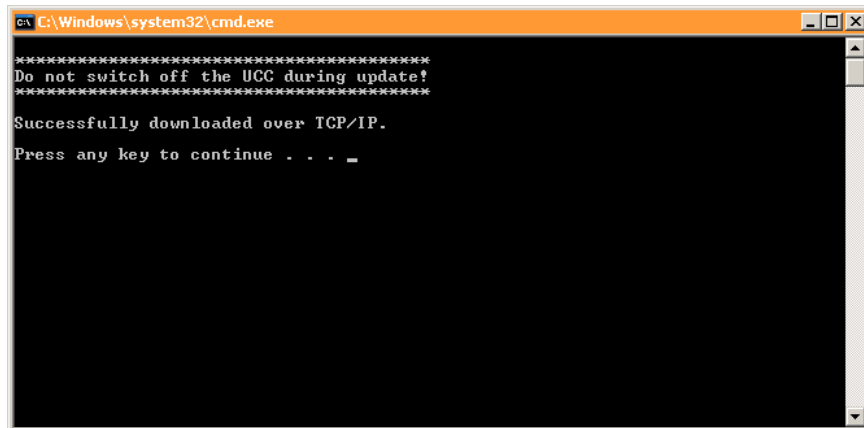


- 3) Select a folder where you want the contents of the executable to be unzipped to.
- 4) Click on the 'Extract' button. This will result in the following dialog:



- 5) Click 'OK' to dismiss this.
- 6) Turn on or re-boot the UCC2 and wait for it to be ready for download (Error LED flashing slowly).
- 7) In Windows Explorer, navigate to the directory to which you have just extracted the files from the self-extracting executable.

8) Double-click "UCC_hd_update_2.cmd". This opens a Command Prompt window and downloads the update to the UCC2. It may take up to 30 seconds to get to the point where you are asked to press any key to continue:



```
C:\Windows\system32\cmd.exe
*****
Do not switch off the UCC during update!
*****
Successfully downloaded over TCP/IP.
Press any key to continue . . . _
```

- 9) Watch the UCC2's front panel LED's during the update. There are three possible outcomes:
- Update successful - the unit will return to the waiting for download state, i.e. a slowly flashing Error LED.
 - No update required - the System Ready, Servo Active and Probe Seated LED's will slowly flash.
 - Update not possible - the System Ready, Servo Active, Probe Seated *and* Error LED's will rapidly flash.

10) Press any key to dismiss the Command Prompt window.

-----This is the end of the update procedure -----

a) If the update was successful, the UCC2 is now ready for use with Vista or the other compatible operating systems.

b) If no update was required, turn the UCC2 off and on or 'press and release' the Reset button in order to return it to the waiting for download state. No changes have been made.

c) In the unlikely event that the update was not possible, turn the UCC2 off and on or press and release the Reset button in order to return it to the 'waiting for download' state. The UCC2 cannot be upgraded remotely and the following information will need to be given to CMM Product Support at Renishaw:

- The serial number of the UCC2
- The version number of the UCC2 (a small label stuck on the rear panel e.g. "V.6")
- The full "Downloadable version". This is reported by the License Key Manager when you press the 'About' button. (After the introduction of UCCserver software V4.2 the licence key manager will be incorporated in UCCassist-2).

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If you have any questions on this Bulletin please contact your local Renishaw office or e-mail us on cmm.support@renishaw.com