

Renishaw CMM Products Division

PRODUCT BULLETIN – PBC1040

Product:	UCC controllers	Status:	Open
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Originator:		Distribution:	
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Reviewer:		OEMs	✓
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Summary:

This bulletin explains the structure of the software supplied for use with the UCC range of controllers and our plans for its development to meet future product needs.

With the advent of **REVO**[™] with 5-axis measurement, the introduction of *UCCserver* (I++DME interface), the introduction of new commissioning tools, rationalisation of operating system support, the obsolescence of **UCC1**, etc. we now need to change the way we manage software installation for the UCC product range. This new process will be controlled by an “installation manager” which will install all the software packages in one process and allow for a roll-back to previous configurations.

This bulletin details the transition period between the existing V7.1 UCC software, supplied on a CD ROM, and when the new V4.2 *UCCserver*-software is posted on a web-site.

The following topics are explained in detail.

1. Support for Touch Trigger and 3-axis scanning
2. Support for REVO 5-axis measurement - Renscan⁵
3. Support for **UCClite** and **UCClite-2**
4. Support for **UCC1**
5. Support for Windows operating systems
6. *UCCserver* (I++DME interface)
7. Utility programs
8. Software deployment and updates

1. Support for Touch Trigger and 3-axis scanning

The current issue level of UCC software is version 7.1 and there is a separate release of *UCCserver V3.0* that can be used with it. These provide full support for Touch Trigger and 3-axis scanning for our existing product range:-

- **UCC2, UCC*lite*** and **UCC 1**.
- **SPA2, SPA2-2, SPA*lite*** and **SPA 1**.
- **MCU 1**

The **Renscan5** software has now been introduced but it has not been tested for Touch Trigger and 3-axis scanning so the V7.1 software will be maintained in parallel with a separate **Renscan5** software version.

Until the Touch Trigger and 3-axis scanning version is amalgamated with the **Renscan5** version any enhancements or bug-fixes to the V7.1 software will be issued in the form of service packs.

Once the amalgamated software (*UCCserver*-software V4.2) has been released we will incorporate the service packs and Windows Vista support into a new UCC software version V7.2. This will be maintained only for obsolete controllers, **UCC 1** and **UCC*lite***, for older operating systems, Windows 98 and NT4, and for systems not using *UCCserver*.

We have already released service packs for use with UCC software version V7.1 and *UCCserver V3.0*, currently we have service pack 3 available on our UCCserver.com website. (Note: service packs are cumulative, i.e. if you install service pack 3 it includes the changes in service packs 1 & 2). There are later service packs available to solve particular issues (e.g. compatibility with the new XL80 laser interferometer, etc) but these also require an update to *UCCserver*, please contact the Product Support help desk for information (see end of this bulletin for contact details).

2. Support for REVO 5-axis measurement - Renscan5

With the **Renscan5** software part of the software package is a new version of *UCCserver* (I++DME interface), because of the central importance of *UCCserver* to further product and application developments we have changed the software issue version numbering system to reflect the version number of *UCCserver*.

Renscan5 software for REVO has been issued as *UCCserver*-software version V4.0.

3. Support for UCCLite and UCCLite-2

The existing **UCC*lite*** controller is fully supported by the current V7.1 software release and its service packs. The introduction of the new Mk.II version, **UCC*lite*-2**, will be supported by *UCCserver*-software version V4.1.

The **UCC*lite*-2** will immediately replace the **UCC*lite***.

4. Support for UCC 1

The **UCC 1** controller was made obsolete in April 2007. The software support for this controller will not be continued beyond software version 7.x (i.e. V7.1, V7.2 or further issues of 7 if necessary).

5. Support for Windows operating systems

Support for Windows 95 ceased with the release of V4.0 UCC software (old numbering system) in October 2002.

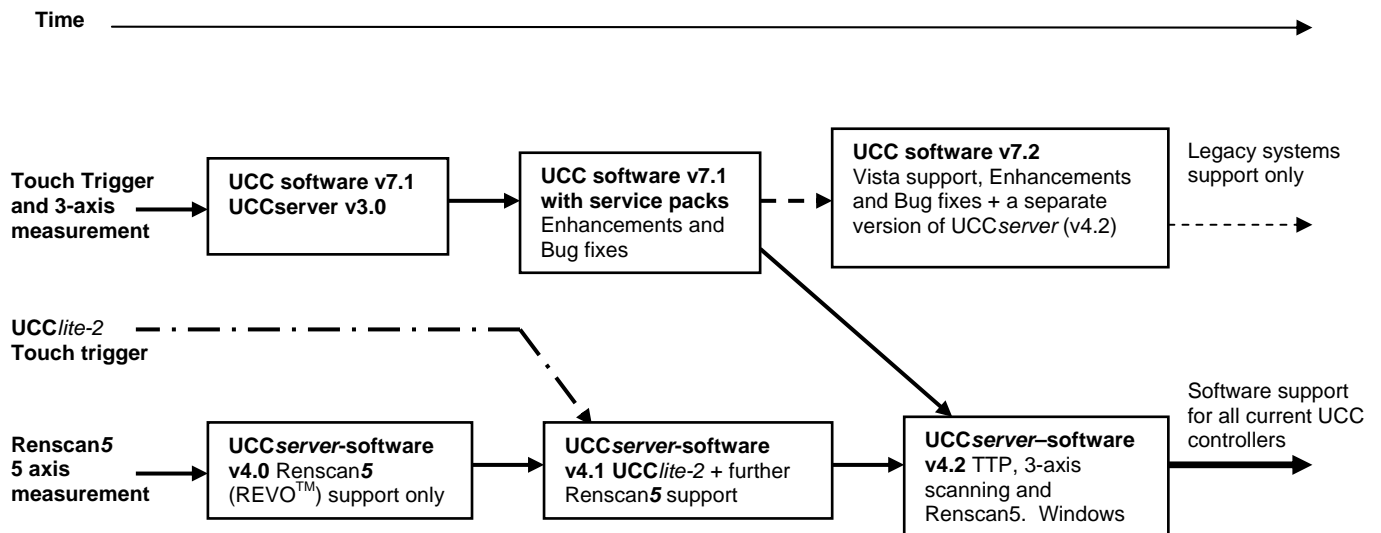
Windows 98 is only supported for use with the **UCC1** controller and its use will not be continued beyond UCC software version V7.x.

Windows NT4 is supported for use with both the **UCC1** and **UCC2** controllers (but not the **UCClite**). Support will not be continued beyond UCC software version V7.x.

Windows 2000 is supported for use with all the UCC product range; it will continue to be supported for the new Renscan5 (V4.0) and UCCLite-2 (V4.1) software releases.

Windows XP(professional) is supported for use with all the UCC product range; it will continue to be supported for the new Renscan5 (V4.0) and **UCClite-2** (V4.1) software releases.

Windows Vista is not yet supported. It is planned to be supported from UCCserver-software V4.2 and UCC software V7.2.



6. UCCserver (I++DME interface)

UCCserver was first released at version V3.0 at the same time as UCC software V7.1 was released. It was a separate installation package.

UCCserver-software V4.0 is the Renscan5 release; it is a complete installation package that includes all of the UCC software and utility programs. To speed up the testing and release process this version has only been tested for REVO™ function.

UCCserver-software V4.1 will be the **UCClite-2** release and it will also contain REVO™ updates. It will still not have been tested with **UCC2** touch trigger and 3-axis scanning.

UCCserver-software V4.2 will introduce Windows Vista support; it will also have been tested fully for touch trigger and 3-axis scanning.

After UCCserver-software V4.2 is introduced the UCC software will be updated to V7.2. This release will incorporate all the service packs from V7.1 and Windows Vista support. A separate version of UCCserver (V4.2) will also be available. This package will only be maintained for **UCC1**, **UCClite** and non UCCserver applications.

7. Utility programs

Renicis was the original UCC tuning and diagnostic utility. It has been gradually replaced by UCCassist and the new UCCassist2 packages, it will be discontinued with the introduction of UCCserver-softwareV4.1.

UCCassist was initially developed as an Error mapping utility and has been further developed to include machine verification and diagnostics. It is planned that these functions will eventually move into the UCCassist2 package but UCCassist will continue to be maintained for the next 3 or 4 software releases.

UCCassist2 was initially developed to handle the commissioning of REVO™ systems; it was structured in such a way that it could be developed to handle all of the ancillary tasks. It will take over from Renicis with the introduction of UCCserver-software V4.1 and will eventually take on the functions of UCCassist, licence key manager, IP configure and all the other utilities.

8. Software deployment and updates

Traditionally we have supplied the complete software suite on a CD ROM supplied with the UCC controller. This CD ROM contained the downloadable files, installation / commissioning / diagnostic utilities, a separate utility for licence key management and a set of manuals.

With the introduction of UCCserver-software V4.0 we will no longer supply this software in the form of a CD ROM, instead it will be available on our UCCserver.com website. We will continue to supply the V7.1 CD ROM until the introduction of the merged UCCserver-software V4.2. After that date the new V7.2 software will also be available on the UCCserver.com website.

If you have any questions on this bulletin, please contact our product support help desk :-

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