Codonics Virtua Operating Software

Version 4.1.1 Release Notes

Summary

Version 4.1.1 software provides product improvements for the Codonics Virtua® Medical Disc Publisher.

> **CAUTION:** Version 4.1.1 software is intended for use on all Virtua systems except for the Virtua-1 model. Version 4.1.1 software will not install on the Virtua-1 model (controller serial numbers beginning with 70C).

> **CAUTION:** A full install is required when upgrading a standard Virtua system running 4.0.1 or previous software, during which all patient studies will be removed. Virtua XR/E/C will not require a full install to upgrade from previous software.

> **CAUTION:** Newer Virtua systems, which utilize a separate print head and individual ink cartridges for each color, require Version 4.0.0 software or later to function properly. These systems can be identified by the first three characters in the serial number of the Recorder, 83C.

This document details the changes from Version 4.1.0 software. The Virtua User's Manual, Reference Guide, Operating Software Release Notes, and Technical Briefs provide further information on the use of Virtua systems. If upgrading from an older software version, previous Virtua Release Notes can be downloaded from the Codonics website.

New Features

This section details new features in Version 4.1.1 software.

◆ **Virtua XR Solid State Hard Drive.** Provides software install support for the new Solid State Drive (SSD) now used in the Virtua XR Controller. This single SSD replaces the current Operating Software Hard Drive and 2 RAID Hard Drive.

Product Improvements

◆ **Anonymization of Studies with non-Latin 1 characters fails.** Virtua has been updated to properly support anonymizing studies with non-latin 1 characters.

◆ **Anonymization of Studies with non-conformant DICOM SQ tags fails.** Virtua has been updated to avoid attempting to anonymize DICOM Sequence (SQ) tags that have been explicitly stored with the Unknown (UN) data type.

◆ **Invalid Security Certificate Error.** Virtua security certificates have been updated so that this error no longer displayed.

◆ **LogMeIn Rescue not functional.** Virtua security certificates have been updated so that LogMeIn Rescue functions properly.

◆ **Use of Symbols in Free-Text DICOM Tags.** Virtua has be updated to fully support special characters like the dollar sign ($) in free-text DICOM tags like Patient Name, Patient ID, Study Description, etc.

◆ **Studies with a series too large for one CD are not split correctly.** Virtua has been updated to properly split Studies onto multiple CDs when the Study has a Series that is too large for a single CD. Anonymization of Series that are too large for a single CD is also fully supported.

◆ **Studies fail to store because of pre-processing of Private DICOM tags.** Virtua now properly pre-processes Private DICOM tags during the DICOM Store operation.

◆ **Japanese status message for Black Ink Missing incorrect for the 83C Recorder.** Virtua now shows the proper Japanese text for this error state.

Known Common Issues

This section details common issues with Version 4.1.1 software that are likely to be experienced by most users.

◆ **Changing ink cartridges without using the Ink Cartridge Load button on the top of the Recorder may cause a label with poor quality on the first disc printed with the new cartridges.** To prevent this issue, press the Ink Cartridge Load button before removing old ink cartridges or an old print head. This issue applies only to newer engines that use separate ink cartridges for each color.

◆ **Studies can be lost or corrupted if a hard power down occurs.** Loss of power during some operations can result in lost or corrupt data. An uninterruptible power supply and proper shutdown procedure are strongly recommended.

◆ **Compatibility problems with Internet Explorer® 7 or greater and Firefox® 3.** There are minor cosmetic problems when remotely connecting with both browsers. Internet Explorer 6 is recommended for remote connections to Virtua.

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◆ **Discs-required counts are inaccurate for multi-disc backup jobs.** When multi-disc backup jobs (all studies included in the job will not fit on one disc) are queued, the Discs Required count in the Status Details tab and the X of Y discs-recorded count on the Discs tab may contain inaccurate counts. Typically, the count will not increment until the entire set is completed.

Known Uncommon Issues

This section details uncommon or obscure issues with Version 4.1.1 software that are unlikely to be experienced by most users.

◆ **Virtua may stop processing jobs and an error dialog may appear on the touch screen.** Pressing OK on the error dialog will allow the system to continue processing jobs. Discs that were in-process may be ejected without a printed label but will automatically be rerecorded and reprinted.

◆ **Process may stop during software installation.** Leaving the network cable connected may cause installation to stop during Phase 4. Disconnect cable prior to installation.

◆ **DICOM association limit may be exceeded.** DICOM clients that open many simultaneous associations might exceed Virtua's limit of 24 simultaneous connections. This can cause the system to stop receiving DICOM jobs, requiring the system to be rebooted.

◆ **Time-remaining indicators for jobs are inaccurate if there is more than one Jobs page.** If there is more than one page of jobs queued (eight or more jobs), the time-remaining indicator on the Discs tab will not be accurate on any pages other than the first page. Each page starts the time-estimation over again without accounting for the jobs on the previous page.

◆ **Special handling for Recorder cover when installing software on the Virtua ECO family systems**. When media Smart Detect mode is enabled, leave the Recorder cover open when installing software. Closing the cover with Smart Detect mode enabled will cause Virtua ECO to load another disc on top of the installation disc.

◆ **The LaunchPad does not work on Windows NT®, Windows 98® or Windows 2000® OS with Internet Explorer version lower than 5.5.** When discs created on Virtua are installed on PCs, the LaunchPad is initiated. The LaunchPad can be used on Windows 2000/XP/Vista® and Windows ME® with Internet Explorer v5.5 or higher. Users of affected platforms can use Windows Explorer to navigate to and launch viewers or open reports.

◆ **Virtua ECO family system CD and DVD status lights unexpectedly alternate green and off for longer than two minutes.** In some circumstances, Virtua ECO may show an unexpected shutdown taking longer than two minutes. The workaround is to perform a hard shutdown (press the System power button for about five seconds). Power on the system to return to normal operations when desired.

◆ **IP address conflict is not reported.** If Virtua is configured to support a range of IP addresses and there is a conflict, Virtua will not notify the user.

◆ **Successfully archived studies not marked as archived.** Aborting a Scheduled Archive while a label is being printed may not mark studies successfully archived as archived. Studies will be re-archived during the next Scheduled Archive session.

Known Issues for International Regions

◆ **No Unicode support in Viewer.** The Clarity Medical Image Viewer does not correctly display Unicode characters. It is uncommon for DICOM files to be encoded in Unicode.

◆ **Limited Viewer support for international characters.** Refer to the Clarity Viewer User's Manual (Codonics Part No. CLARITY-MNLU) for details.

◆ **No support for Indian locales.** The Tamil, India (ta_IN) locale does not correctly support Tamil characters.

◆ **Site phone numbers with country codes may be truncated on labels**. Most labels support nine characters for phone numbers for the site details. The Ink Saver label displays more characters.

◆ **Cannot set date and time from Virtua user interface in some Tier 2 locales.** The workaround for this problem is to run the system in the en_US locale (which is the factory setting), set the local time and date correctly, and then change the system to the desired operating locale. A list of Tier 2 locales and instructions for changing the locale are in the Virtua User's Manual.

Technical Support

If problems occur during software installation, contact Codonics Technical Support between the hours of 8:30AM and 5:30PM EST (weekends and U.S. holidays excluded).

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Get it all with just one call
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