

# Virtua 83C Series Recorder Firmware Upgrade

## Overview

This document explains how to install firmware onto the Virtua and Virtua-XR Recorders with serial numbers starting with 83C. These Recorders were last manufactured and distributed in 2017.

The ink cartridges used in these aging Recorders are in limited supply and approaching end of distribution/sales. To help extend the useful life of these legacy systems, a supply of compatible ink cartridges with the same ink formulations is available. However, the 83C Recorder requires a firmware update in order to support the use of these ink cartridges.

**NOTE:** Firmware update is required for continuing use of the 83C series Recorder used in the Virtua and Virtua-XR.

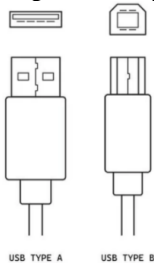
## Firmware Install

Download the firmware updater and the Windows driver

1. Download the following ZIP file:  
[https://radiology.codonics.com/web/Virtua/Firmware/025-110-001\\_83C\\_FW\\_Upgrade\\_Files.zip](https://radiology.codonics.com/web/Virtua/Firmware/025-110-001_83C_FW_Upgrade_Files.zip)
2. Unzip this file onto a Windows laptop that can be used to perform the firmware update. The zip file contains the following two executables.
  - a. **DP4100\_Engine49.exe**
  - b. **DP4100\_WinDriver\_108.exe**
    - i. Note: This driver file is only required if the laptop does not recognize the 83C series Recorder when it is connected.

Prepare the system for firmware install

3. Ensure the Virtua does not report any errors related to the Recorder.
4. Ensure the ink button and power button on top of the Recorder are NOT flashing (which indicates the Recorder is in an error state).
5. Shut down the Virtua.
6. Once the Virtua shuts down, find the USB cable connecting the 83C Recorder to the Virtua base/controller and unplug the USB Type-A end which is plugged into the Virtua base/controller.
7. Plug the USB Type-A connector into the laptop.



**NOTE:** Alternatively, you can use a separate USB printer cable (USB Type-A to USB Type-B) in place of steps 6 and 7; plugging USB Type-A connector into the laptop and USB Type-B connector into the 83C Recorder.

Firmware Installation

8. On the laptop, navigate to the location where you downloaded and unzipped the executable files during step 2.
9. Double click **DP4100\_Engine49.exe**.

**NOTE:** If a dialog appears stating “You must have a Disc Publisher 4100 Series installed to update the firmware. Please install the printer and try again.”, this means the printer driver is not installed and the computer cannot communicate with the printer. You will need to dismiss this dialog then install the printer driver:

1. Double click **DP4100\_WinDriver\_108.exe**
2. When prompted, always select the affirmative options to allow the installation to proceed.
3. When the driver installation is complete, the dialog will state “Congratulations your Disc Publisher 4100 Series installed successfully!”.
4. Once the driver is installed, run **DP4100\_Engine49.exe** again.

10. The following dialog should appear:

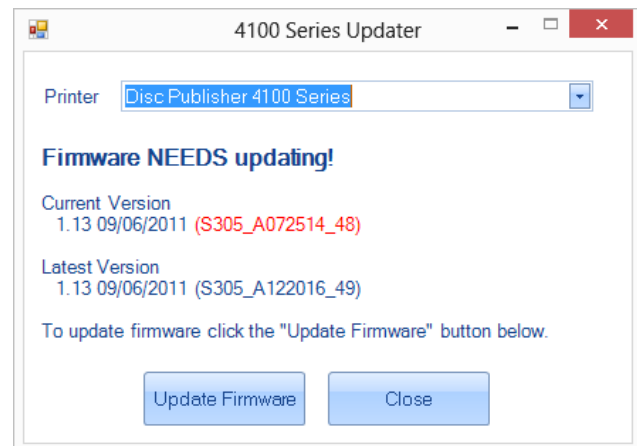


Figure 1: Bravo 4100 firmware updater dialog.

11. If necessary, select *Disc Publisher 4100 Series* in the Printer drop-down.
12. Click “**Update Firmware**” and allow the update to run to completion.

## Technical Support

If problems occur during the download of the zip file or the installation of the firmware, contact Codonics Technical Support.

Phone: +1.440.243.1198  
Email: [support@codonics.com](mailto:support@codonics.com)  
Website: [www.codonics.com](http://www.codonics.com)

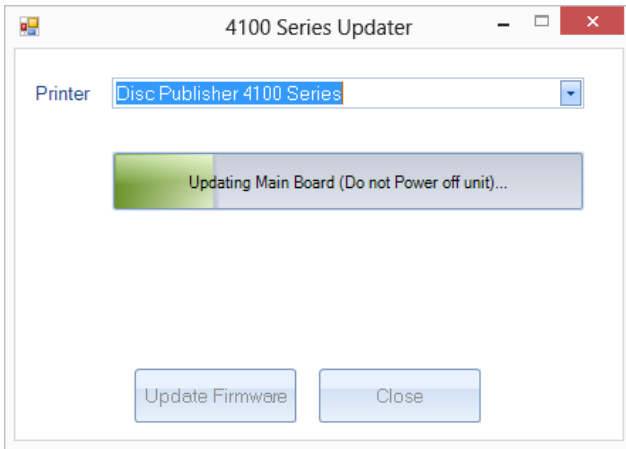


Figure 2: Bravo 4100 update dialog progress bar.

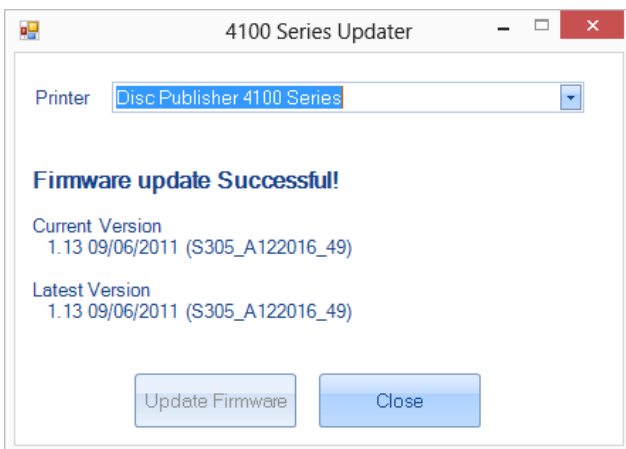


Figure 3: Bravo 4100 firmware updater dialog indicating successful firmware update.

13. Click the "Close" button on the dialog once the firmware is successfully updated.
14. Unplug the Recorder from the laptop and reconnect the Recorder to the Virtua base/controller via the USB connection.
15. Restart the Virtua.

*Get it all with just one call*  
**800.444.1198**

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17991 Englewood Drive  
Middleburg Heights, OH  
44130 USA  
+1.440.243.1198  
+1.440.243.1334 Fax  
Email: [info@codonics.com](mailto:info@codonics.com)  
[www.codonics.com](http://www.codonics.com)