

CRA PC SOFTWARE CORENTIUM REPORT & ANALYSIS

INSTALLATION GUIDE

v4



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1 Introduction

This document describes the installation of the Corentium Report & Analysis SW version 4. The software can be used to analyze and generate reports from measurements acquired by a **Corentium PRO** radon monitor.

AIRTHINGS sell Corentium PRO radon monitor at www.airthings.com as well as through selected resellers.

The latest version of the SW is downloadable at <https://store.airthings.com/sw/CRA-SW.zip>

2 Hardware Pre-Requisites

Windows operating System	:	Vista, Windows7 and Windows 8
RAM	:	512MB or higher
Screen resolution	:	1024x768 or higher
Interface	:	USB 2.0 or higher (included)

3 Software Pre-Requisites

Web browser	:	Internet explorer version 9 or higher (recommended) Works with other browsers as well
PDF reader	:	Adobe (http://get.adobe.com/uk/reader/)
Screen resolution	:	1024x768 or higher
Interface	:	USB 2.0 or higher

CRA SW User manual is given as "**CRA-User-Manual-English-V4-201xxxxx.pdf**" in USB stick
PRO monitor along with its accessories are shown in Figure 1



Figure 1: Corentium- Pro system.

Item	Description
Pro	A Corentium PRO radon monitor with USB & BLE connection.
USB-cable	A USB-cable to be plugged between the PC and the Pro monitor.
USB-SW	A USB memory stick containing the CRA-SW as well as manuals
CRA-SW	The PC Software that enables you to download measurement data from a Pro and analyze and generate reports of the measurement results.
Batteries	3 AA Alkaline batteries (LR06)

Table 1: Overview of HW and SW parts in a Corentium Pro system.

4 Software installation

- **DO NOT CONNECT A PRO MONITOR TO THE PC BEFORE THE SW HAS BEEN INSTALLED!**
- **AFTER INSTALLATION, YOU MUST PLUG IN THE MONITOR BEFORE THE SW IS STARTED FOR THE FIRST TIME!**

The USB-SW stick contains one folder named 'CRA-SW', this manual as well as the SW user manual in pdf format and a quick start guide. The 'CRA-SW' folder holds the SW installation.

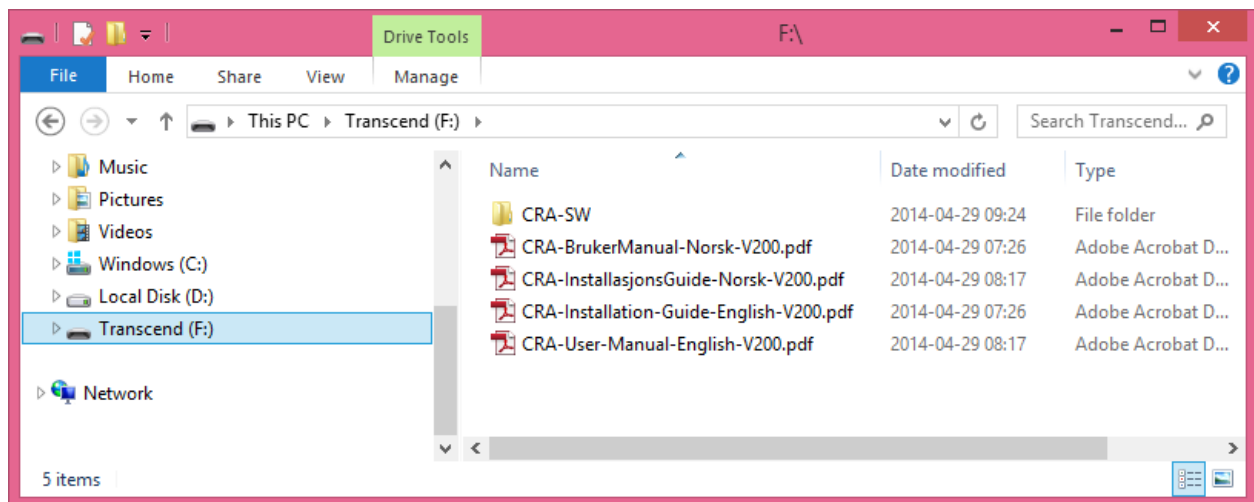


Figure 2: Content of your USB-SW memory stick.

4.1 Install the CRA SW on your PC

The following figure 3 shows the content of the CRA-SW folder.

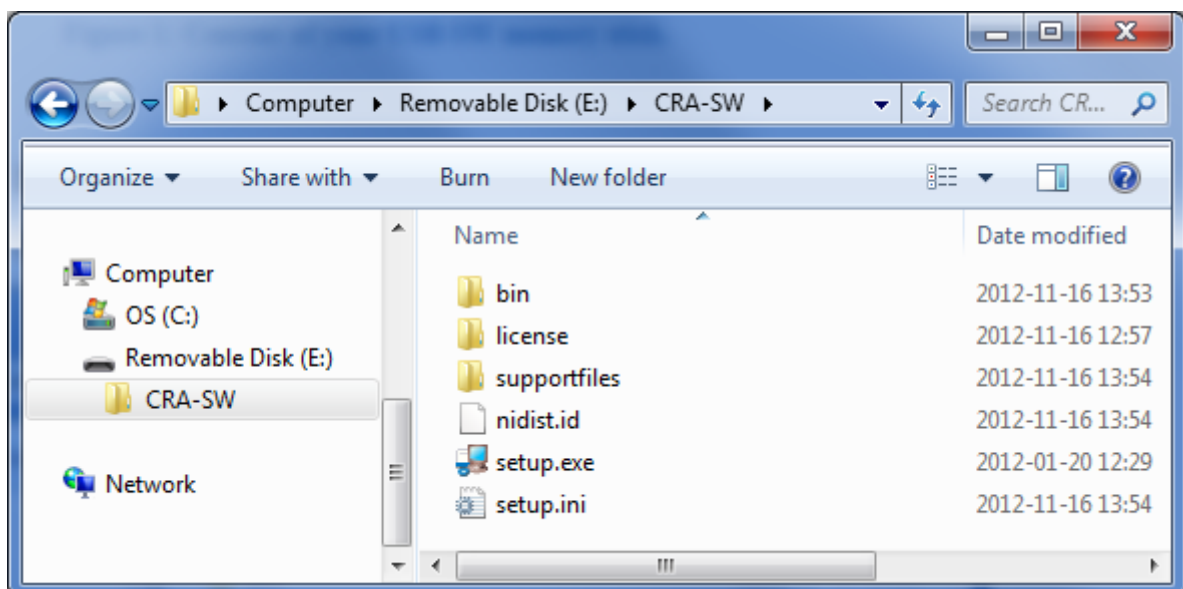


Figure 3: The content of the CRA-SW folder on your USB stick.

You must be logged in on your PC with administrator rights in order to run the installation. In the folder CRA-SW on the USB-stick run the program **setup.exe**. If you right-click the **setup.exe** file and select 'Run as administrator' you will be sure that the program is installed with the correct user privileges. If your PC does not show the file extensions (i.e. *.exe or *.ini in the figure above) you will click the file **setup** that has the icon that looks like a PC+Screen.

First, you will get up a window like figure 4 that allows you to select the source destination for the SW installation. Normally the suggested directories should be OK.

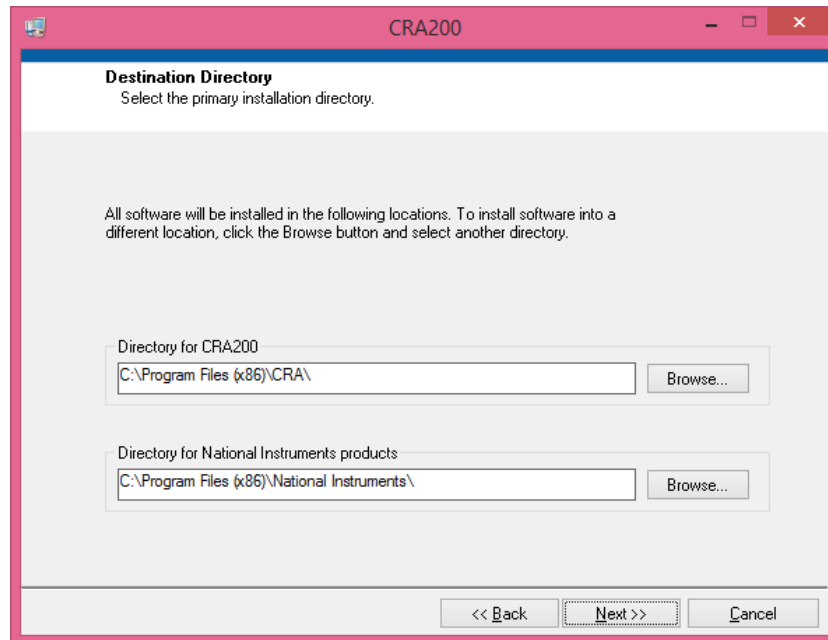


Figure 4: Select the source directory for your SW installation.

Follow the instruction of the installer and press Next. This should give the following window in figure 5, and you will just press Next again.

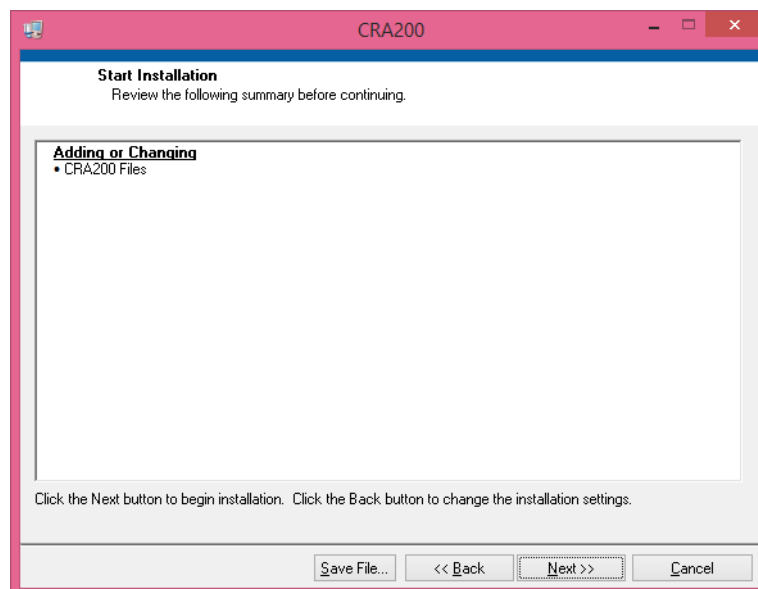


Figure 5: Start the installation.

The installation will now progress showing the status in forms of progress bars until it ends up producing the following window in figure 6:

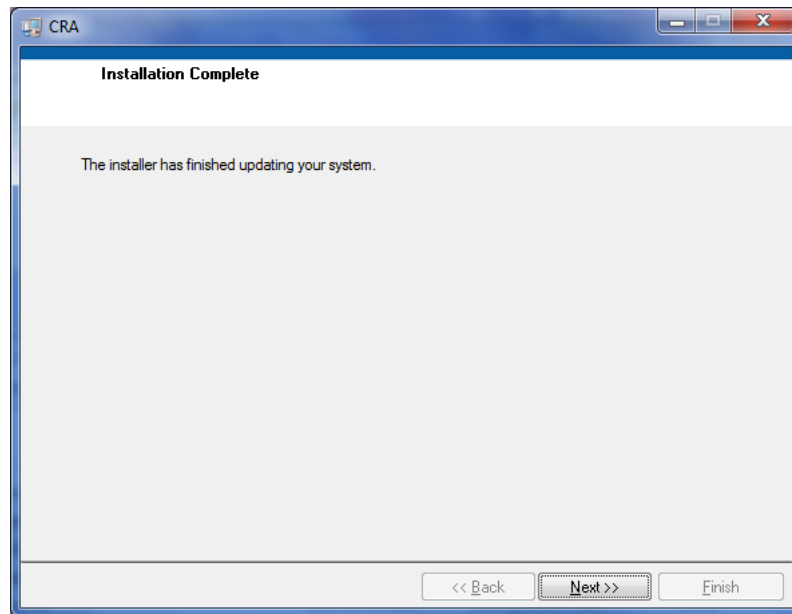


Figure 6: Installation of core CRA SW complete.

At this point the installation will continue when you press Next by installing the necessary HW driver required for the Pro monitor to communicate with the PC over the USB port. This HW driver installation starts by popping up the following window in figure 7:



Figure 7: Start of the USB driver installation.

You should here just press the Extract button and the installation program would then pop-up the following window in figure 8:

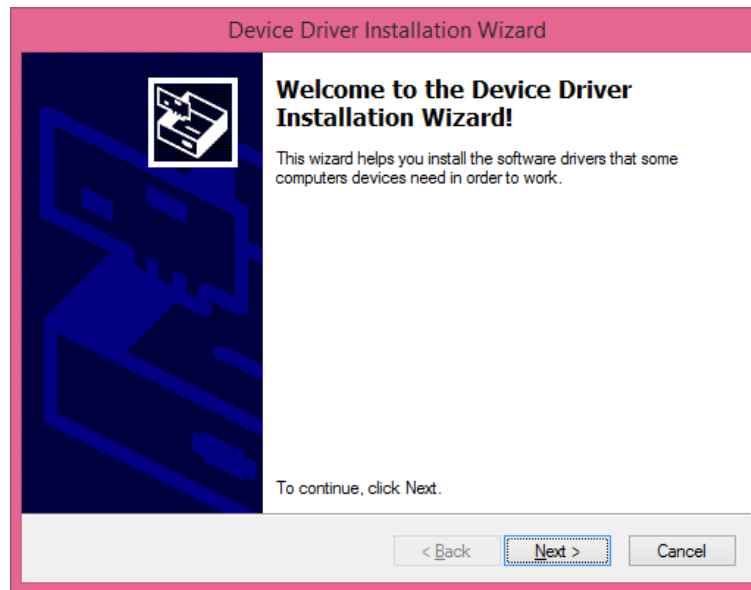


Figure 8: Welcome window for the USB driver installation.

You would now continue the driver installation by pressing the ‘Next’ button. The installation should then continue by itself until it ends up by popping up the following window in figure 9:

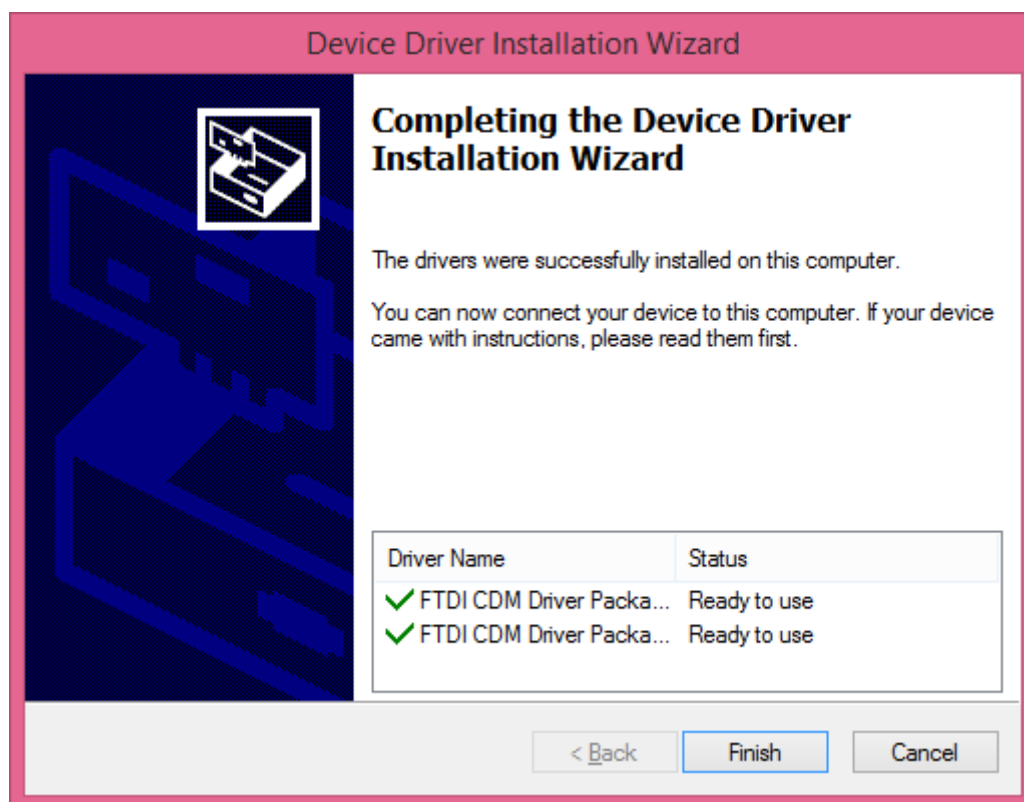


Figure 9: Successful completion of the USB driver installation is required for the CRA SW to be operational.

Here it is important to notice that the Installation Wizard states that ‘The drivers were successfully installed on this computer’. If not, you may need additional debugging steps to successfully be able to run the CRA SW. Refer to section 3.4 for debugging.

At this point the CRA SW has been installed. When pressing 'Finish' you may be requested to restart your computer before the SW can be used for the first time. In this case please restart your computer. It may also be that this message does not pop up until the CRA SW is started for the first time and the Pro monitor is connected to the PC.

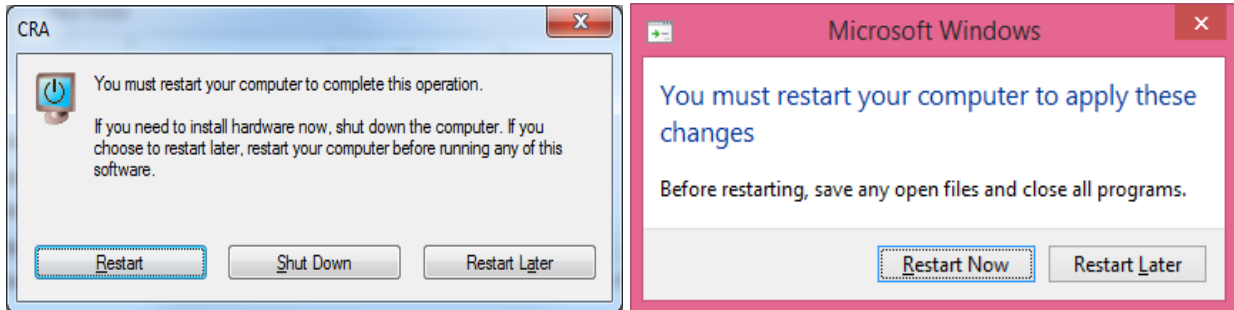


Figure 10: If you are requested to restart your computer at the end of the installation, please do so.

Please insert the instrument in the USB port of the PC prior to the first launch of the SW.

4.2 Un-installing the SW

If you at a later point want to uninstall the SW it can be done from the Control Panel in Windows. You would do this before installing a new version of the CRA SW.

In Control Panel>Programs>Programs and Features you just select the CRA line and push the Uninstall button. See figure 11 below.

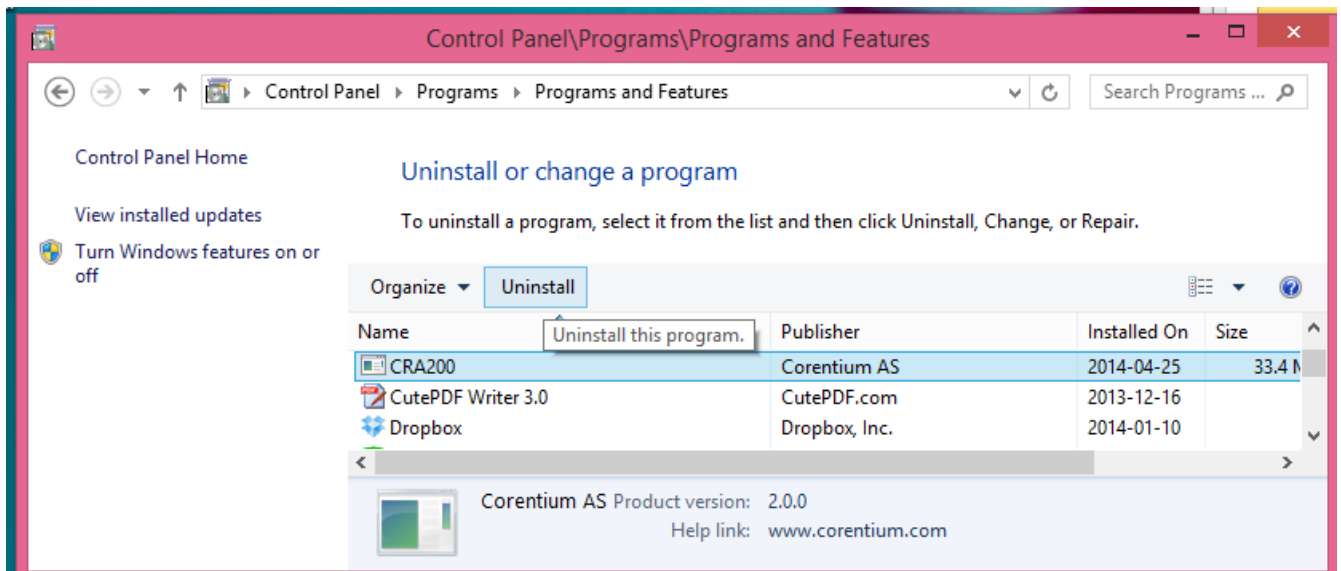


Figure 11: Un-install the CRA SW using the Uninstall option from the Control Panel in Windows.

4.3 *Debugging the USB driver*

In some cases when you install the USB driver your computer may not be able to correctly install the driver. This may be most likely on Windows 8 or 10 computers. In this case refer to the support document:

http://www.ftdichip.com/Support/Documents/AppNotes/AN_234_FTDI_Drivers_Installation_Guide_for_Windows_8.pdf

If you have previous experience in installing HW drivers under Windows you could proceed directly to the driver download page at <http://www.ftdichip.com/Drivers/D2XX.htm>

Here you would select the latest available D2XX driver for Windows. As of Jan 2016 this is version 2.12.12 released 2016-01-18.

To find an installation guide to help you go to the page
<http://www.ftdichip.com/Support/Documents/InstallGuides.htm>

Select the proper document based on your version of Windows (Vista, Windows 7, 8 or 10).

As with most SW programs that need to interface with HW the drivers can be tricky on some computers. First of all make sure that you do have Administrator rights when installing the SW and also that whenever you can force to install programs using Administrator rights by right clicking the setup.exe files and select 'Run as administrator' rather than just double-clicking the executable file in order to start it.