

XC-5000

AutoKinetic Source Sampler Software Installation and Update Procedure



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XC-5000

Software Installation and Update Procedure Ver 3.1

This procedure assumes the user is familiar with the basic operation of the XC-5000 to the extent of starting the XC-5000 application and connecting to the console. For further information refer to the XC-5000 User Guide.

There are two parts to the XC-5000 software. The PC application which is the User Interface (UI) and the Firmware which controls the internal components of the XC-5000.

The version number of the Software consists of two parts. For example, 50715-1239 where the 50715 is the version of the PC Software (SW) and the 1239 is the XC-5000 Firmware (FW). The file names shown below are based on 50715-1239 and will change depending on the version being loaded

NOTE: It is important that the SW and FW versions match. Mixing different versions of SW and FW can result in improper operation or inability to connect to the console.

XC-5000 software is available for download from www.apexinst.com in a compressed file.

If upgrading to a new version of SW and FW verify proper connection to the XC-5000 before upgrading if possible. Verify the PC can connect to the console and record the current SW and FW versions from the Main screen.

Make sure any completed test run data has been exported prior to an upgrade.

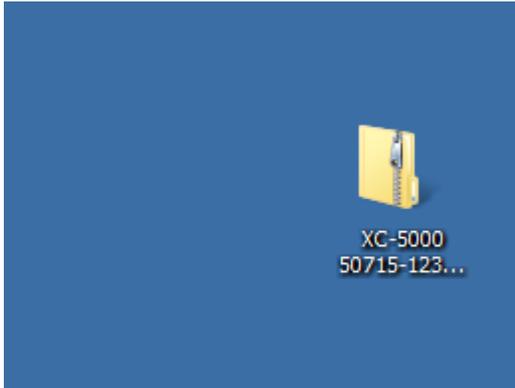
After an Upgrade, all new test Projects should be created. Using old, saved Project files may cause issues.

If installing on multiple PCs and XC-5000s make sure the same version of SW and FW is installed on each PC or XC-5000

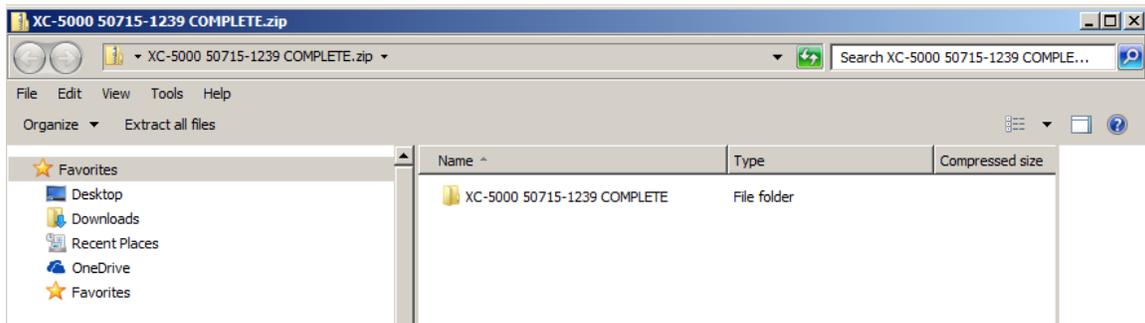
The version of the FW installed on the XC-5000 can be determined without connecting a PC. Power cycle the console and the FW version will be displayed on the XC-5000 display module. (Requires 50715-1239 (released July of 2015) or higher)

Download the compressed file from
<http://www.apexinst.com/downloads/public/Apex%20Software/>

The file you need to have is named XC-5000 xxxxx-xxxx COMPLETE.zip (xx is the current version number). Save it in a convenient location on the PC ie Desktop, Documents etc.



Double Click on the downloaded file and select “Extract All”. This will create a folder with the same name in the same location as the compressed file.

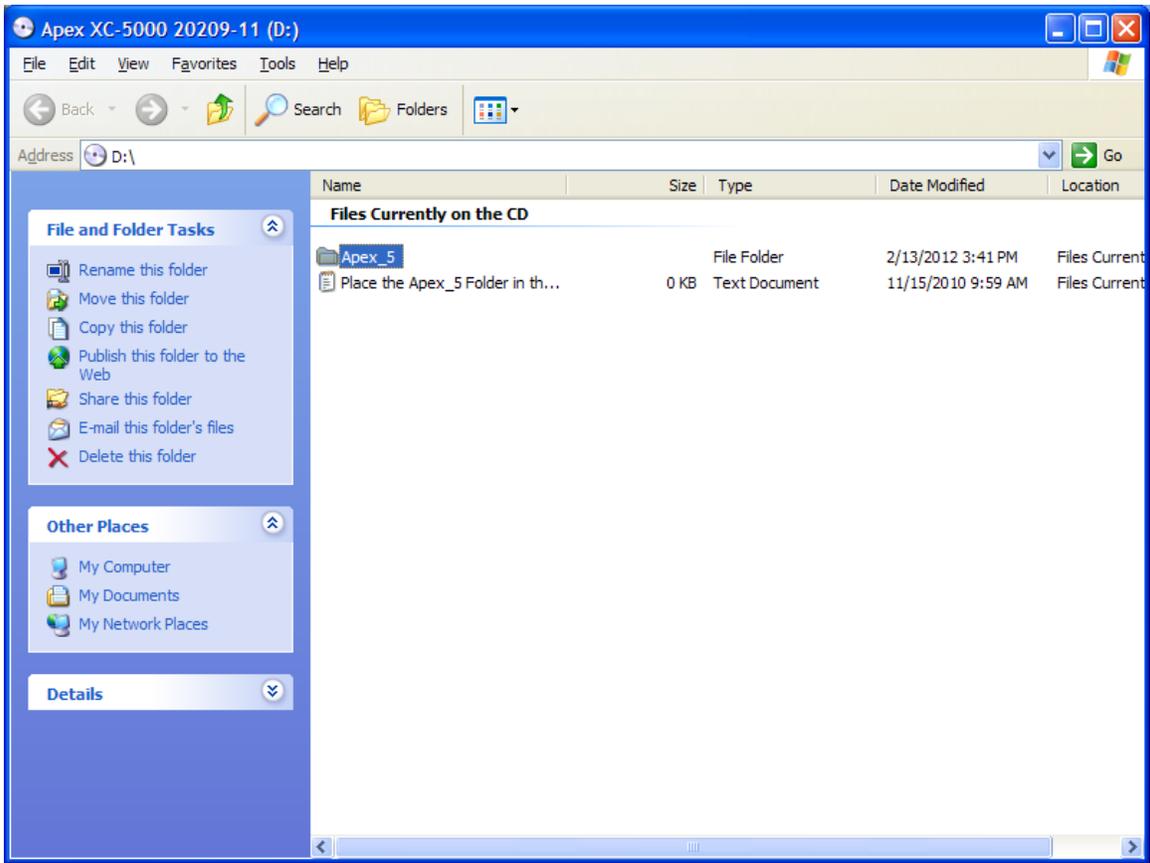


Double click the XC-5000 5xxxx-xxxx COMPLETE to open the folder and locate the **Apex_5** folder. (It may be down a couple of levels).

Copy this **Apex_5** folder to your C: drive. To do this, right-click on the **Apex_5** folder and select Copy.

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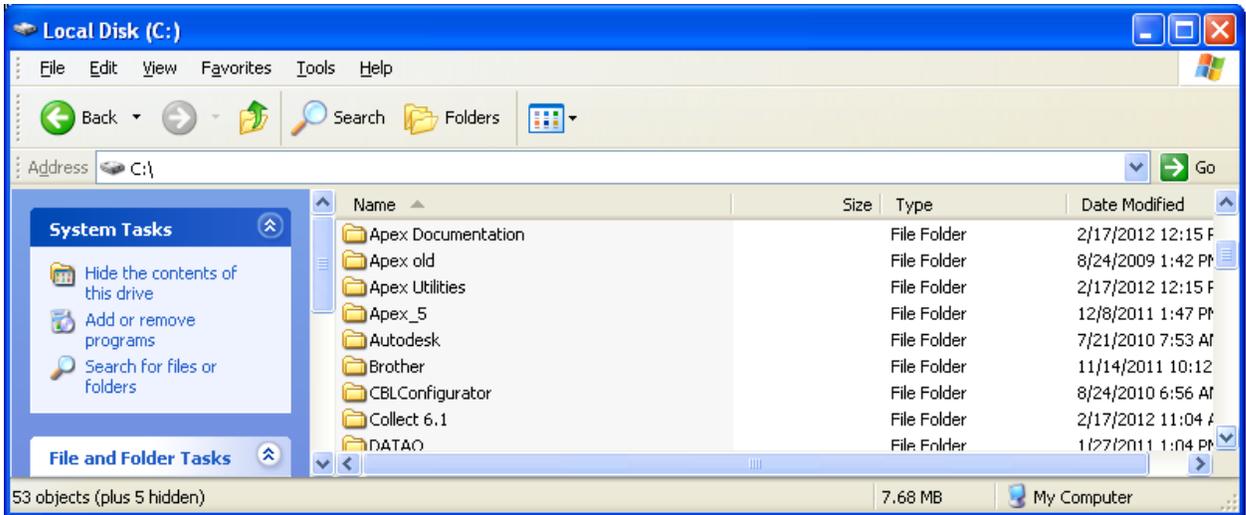


Open My Computer, locate the C:\ drive and Double click on it to open the drive. Right click and select Paste. This will put a copy of the **Apex_5** directory in the root of the C:\ drive.

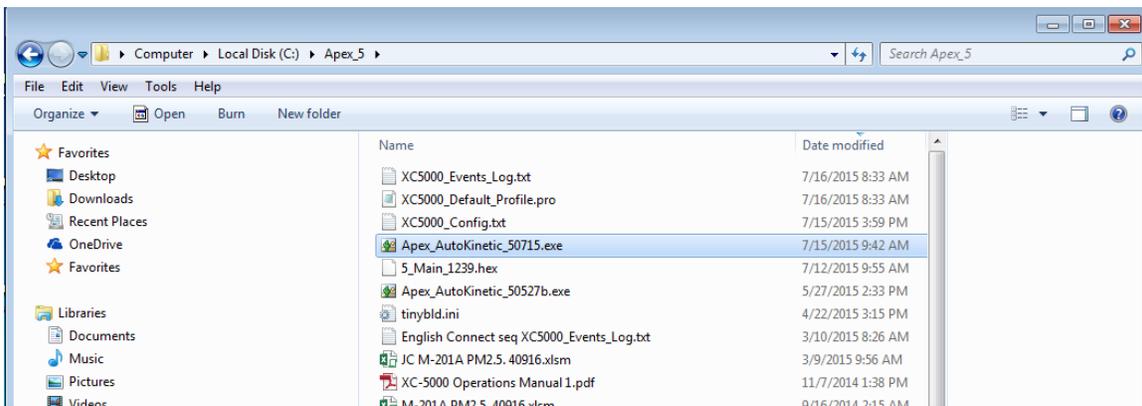
If performing an upgrade, the Apex_5 directory will already exist. If prompted to overwrite files, answer yes. The Apex_5 folder **MUST** be in the root of the C:\ drive and the name **MUST NOT** be changed. That's the only location that the software will search for its components, so it's critical that it be located there.

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To simplify operation of the XC-5000 create a shortcut on the Desktop to launch the application. To create a shortcut, locate the Apex_5 folder in the root of the c:\ drive and double-click on it. This will open the Apex_5 folder. Locate the file Apex_AutoKinetic XXXX.exe, (the Xs on the end is the version of the file and will change depending which version is being installed). Right click on the Apex_AutoKinetic XXXXX.exe file and select “Send To” then “Desktop (Create Shortcut)”. You should also delete any existing Apex_AutoKinetic shortcuts on the Desktop to eliminate any confusion.



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Double click on the Desktop shortcut to launch the XC-5000 application,

Make sure the Ethernet cable is connected between the PC and the XC-5000 and the Ethernet link is ready. **DO NOT** press the “Connect” button at this time. We’ll do that after successfully completing the firmware upload.

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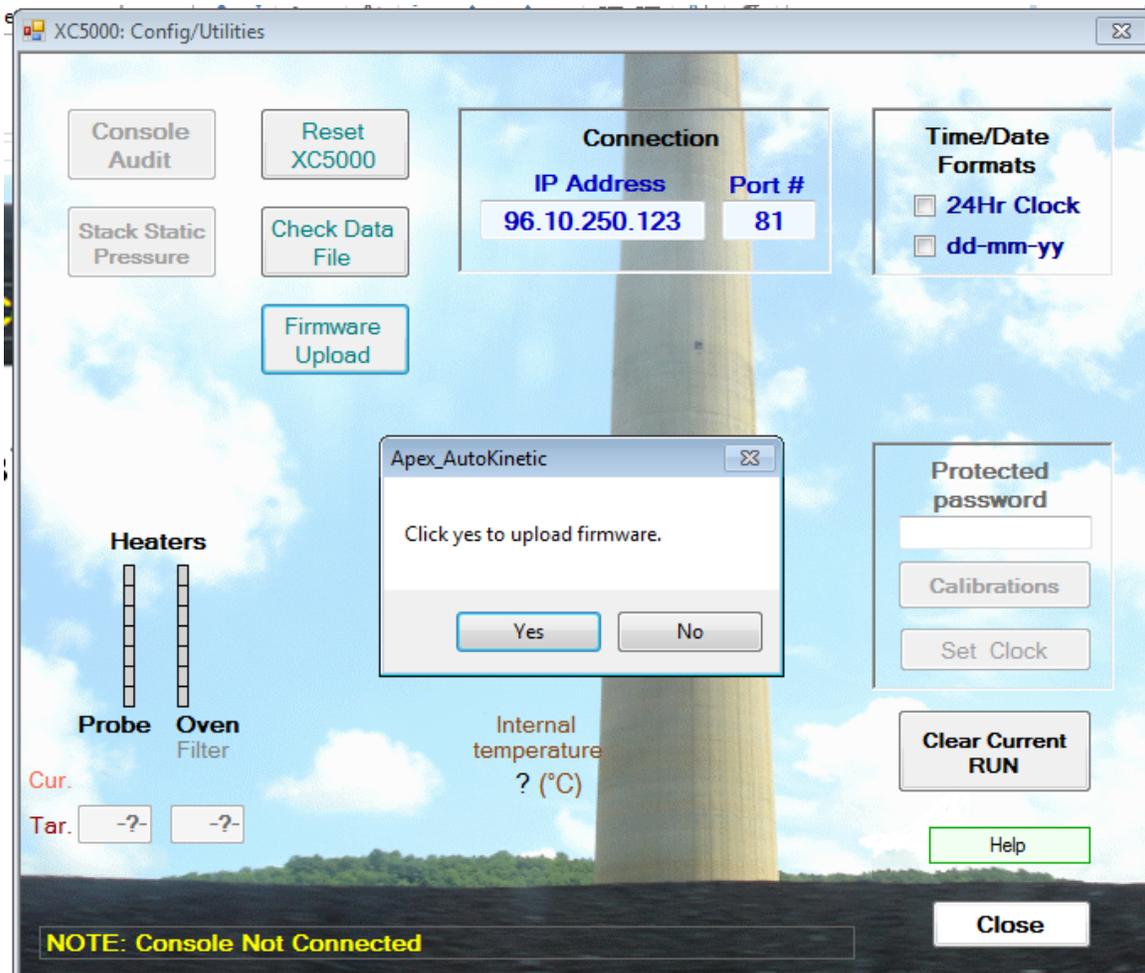


Verify the correct SW version is displayed above the “Connect” button.

Click on the “Config/Utilities” button at the lower right corner of the screen. Then click on the “Firmware Upload” button

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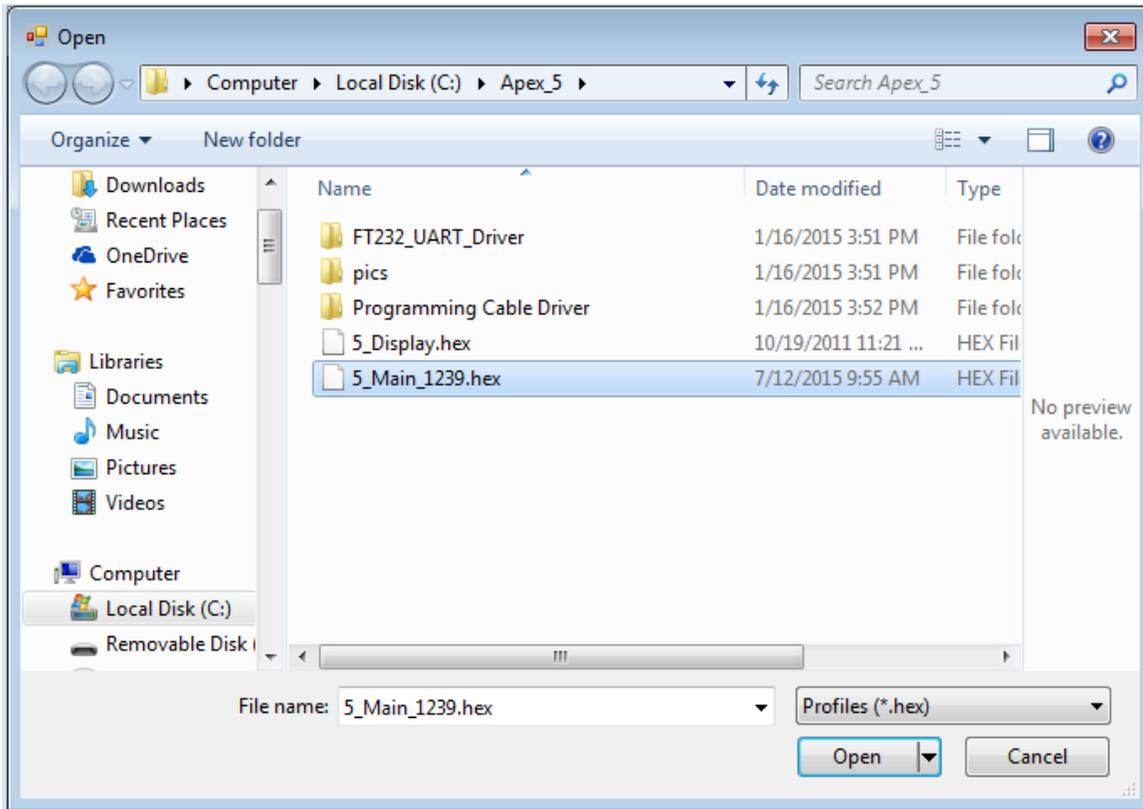
Click “Yes” to Upload Firmware

Select **5_Main_XXXX**.hex and press Open.

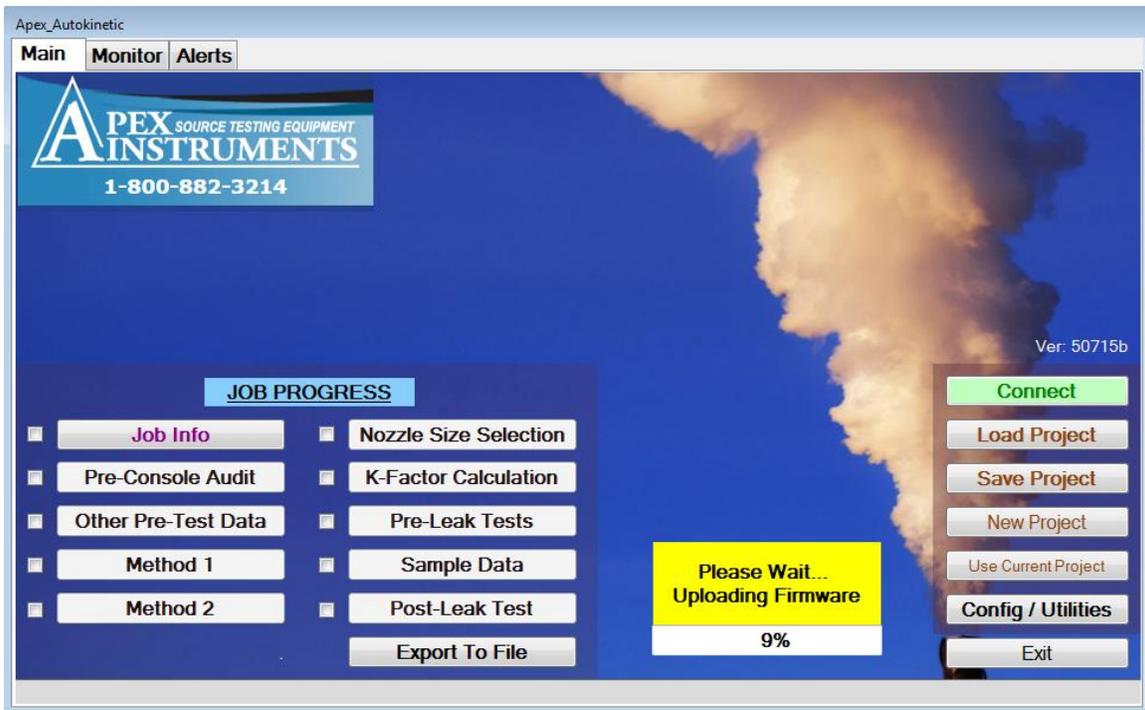
Note: If the 5_Main XX.hex file is not displayed, check the directory displayed at the top in the box “Look in”. It should be Apex_5. If it is not, select the Folder button to browse for the folder C:\Apex_5. When you find the 5_Main XX.hex file, press Open. (In these examples, the Xs on the end before the .hex, refer to the version of the file and will change depending which version is being installed). The name of the current firmware file is: 5_Main_1239.hex

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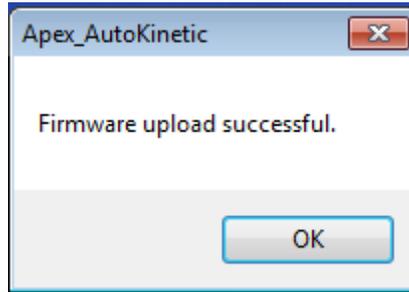
A progress indicator will be displayed showing the firmware upgrade status.



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Once the upload is complete a message will be displayed indicating the upload was successful. Press OK and the application will automatically connect to the console.



Verify on the Main Screen the correct version of SW and FW are displayed on the right side of the screen above the “Connect” button.

Upgrade/Installation is now complete. Create a new project and verify proper system operation.

If you experience any issues performing the upgrade/installation or have questions contact Apex Instruments Support Group at 919-557-7300.or email support@apexinst.com .