

1.) If you are installing Acorn CNC12 for the first time. Follow the Videos in order on this page.
http://www.centroidcnc.com/centroid_diy/acorn_quick_start_guide.html

2.) If you are *Updating* from a previous version of CNC12 follow the instructions below.
For full details watch this [How to update CNC12](https://youtu.be/ZYmtJBEIMuQ) video.

or follow these instructions below.. the steps below are covered in the [CNC12 update video](#) along with additional information...

1.) With the Acorn board powered up and running, make screen shots (using the Windows 10 Snipping tool. [See this video for more info on how to use the snipping tool](#)) of the current Wizard settings and make a report from the Utility Menu of CNC12 and save them in a folder on the desktop and back them up to another safe location.

2.) Copy your existing CNCM/CNCT directories and rename them. CNCM-410 CNCT-410 (or any name)

3.) UN-install CNC12 Mill/Lathe program(s) using Windows 10 "Add/Remove programs".

4.) Delete the left over directories (CNCM/CNCT) in C:

5.) Be sure to have Acorn powered up and running with heartbeat before installing new version of CNC12

- [download and unzip latest CNC12 software from the Centroid website](#)

- double click setup.exe and start the install process, follow prompts and complete the install.

6.) Wizard will automatically start. Use the screen shots made in step 1 to setup the new wizard using the old wizard settings. Press "write settings to CNC control" close wizard.

Notes: If wizard starts and Windows firewall message appears choose to allow the Wizard to run. (select both the "Public" and "Private" boxes) and close all windows and restart the Wizard.

7.) Start CNC12. You will be prompted with a firmware update message "Do Not power off Acorn"... wait for firmware to complete. Only when prompted close CNC12, remove power from Acorn, reapply power to Acorn, wait for heartbeat, start CNC12. Re install any license files. Go to the Utility menu and Press "Option" and then "Import" license and navigate to the proper license file. If necessary, Re-run the Wizard to make any adjustments and/or to setup newly available features: close CNC12, run the Wizard, configure/activate new features or setup features limited to Pro License software such as Wireless MPG or Paired Axes and press "Write Settings to CNC control" Verify proper operation and then make a fresh report.zip file from the Utility menu and save in a safe place.

How to copy Tool Library and custom Home Programs: If you would like to copy your existing tool library and/or custom home program (one not created with the Wizard) from the original installation to the new installation of CNC12:

- with CNC12 closed, copy cncm.ol and cncm.tl from the back up copy directory (made in step 2 above) and paste them in the new cncm directory.

- with CNC12 closed, for lathe tool library you only have to copy one file cnc.ttl from the old cnc directory to the new cnc directory.

- with CNC12 closed, copy cncm.hom or cnc.t.hom from the old directory cncm/cnc to the new cncm/cnc directory.

Special cases.

1.) Macros: if you had any custom macros in the original install they will not be included with the new installation so you must copy any custom macros from the old cncm/cnc directory to the new one and reset any custom parameters associated with any custom macros.

2.) PLC programs: if you had a custom PLC program in the original install it will not be included with the new installation so you must copy and paste over any custom logic sections of the old PLC program old to the new PLC program and recompile the working PLC program.

Windows 10 Defender Firewall

Centroid CNC12 software and the Centroid Wizard will run in conjunction with Windows 10 Defender Firewall. Simply make exception rules for the programs cncm.exe and cnct.exe and wizard.exe and make an exclusion for the folders >cncm and/or >cnct using the Windows defender software interface.

For more info on Windows Defender exclusions..

see these videos for more information about windows firewall exceptions and exclusions.

<https://youtu.be/ILBCOnt8bEA>

<https://youtu.be/hASJTNXFtmQ>