Acorn CNC12 installation Instructions.

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.

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-412 CNCT-412 (or any name)

3.) un-install CNCM/CNCT 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 Acorn software from the Centroid website
- double click setup.exe and start the install process, follow prompts and complete the install.

6.) Here is where things become a little different than 4.12.   The new Wizard will not automatically start as previously. The new Wizard now requires CNC12 to be running. |
a.) Double click the CNC12 icon on the Desktop to 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, re-start CNC12.
b.) First thing to do in CNC12 is re-install any Acorn License files. Go to the Utility menu and Press "Option" and then "Import" license and navigate to the proper license file. (New...when CNC12 starts for the first time it automatically loads a bench test PLC program and bench test drive type and input/output map so v4.14 CNC12 does not require the wizard to run first like previously.)

7.) Start the Wizard using the new "Acorn Wizard" button in the CNC12 utility menu. Press F7 Utility and then F8 Acorn Wizard. And then 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.

How to copy Tool Library from old CNC12 installation to the new one : Copy existing tool library and/or custom home programs from the original installation to the new installation of CNC12:

Mill: 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.

Lathe: With CNC12 closed, for lathe tool library you only have to copy one file cnct.ttl from the old cnct directory to the new cnct directory.

Special cases, Custom Home, PLC and Macros:

1.) Custom non Centroid created Macros: If any custom macros were being emploued in the original install they will not be included with the new installation. It is possible to copy any custom macros from the old cncm/cnct directory to the new one and reset any custom parameters associated with those custom macros if applicable. Macros that worked with v4.12 may or may not work with v4.14 as there have been changes (improvements) to v4.14. In these cases the custom macros will have to be edited and updated to be compatible with v4.14

2.) Custom PLC programs: If a non Wizard generated custom PLC program was being employed in the original CNC12 install it will not be included with the new installation. It is possible to edit the new PLC program and 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. Most user do not have to worry about this and the ones that have modified the PLC program know what to do.

3.) Custom Home Programs: If a non Wizard generated custom home program was being employed in the original CNC12 install it will not be included with the new installation. With CNC12 closed, copy cncm.hom or cnct.hom from the old directory cncm/cnct to the new cncm/cnct directory.

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/lLBCOnt8bEA
https://youtu.be/hASJTNXFtmQ