

## 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](http://www.centroidcnc.com/centroid_diy/acorn_quick_start_guide.html)

**2.) If you are *Updating* from v4.14 follow the instructions below.**  
**And view this video....** <https://youtu.be/qSJd0sO9GFg>

- a.) Create a FRESH report.zip using the current installation of CNC12 BEFORE upgrading and note it's saved location.
- b.) Rename the existing cncm/cnct directory for backup purposes to either: cncm\_old or cnct\_old
- c.) Download v41.6 installer to desktop of CNCPC, unzip and double click on setup.exe to start the install
- d.) Click on the desktop Mill or Lahte CNC12 icon to start CNC12 (with Acorn running with heartbeat!) Immediately go to the F7 Utility Menu and choose "restore report" and restore the report.zip file made in step #1 and follow the instructions on the screen and close CNC12 and then Power Cycle Acorn wait for heartbeat and go to next step
- e.) Start CNC12 using the Icon on the desktop and then Start the Acorn Wizard from the F7 Utility menu. Navigate to the Wizard Preferences menu and Click the "Browse..." button and navigate and select the old cncm/t directory made in step b.) select either the cncm\_old or cnct\_old directory.

now Click the "Update" button. The Wizard will ask if you have any custom PLC modification OUTSIDE of the wizard. Say YES if you have a custom PLC program in the previous version installation (if you don't know what this is choose NO), this way the Wizard will not overwrite that custom PLC program. Say NO if you have always used the Wizard to generate a PLC program. Follow instructions on the screen and Wizard perform the update and restart. Final step... Click "Write Settings to CNC control configuration" and then follow the instructions on the screen and the update is complete.

Notes: If Wizard or CNC12 starts and Windows firewall message appears choose to allow the Wizard or CNC12 to run. (Be sure to select both the "Public" and "Private" boxes) and close all windows and restart the Wizard/CNC12

**3.) If you are *Updating* from a version older than v4.14 (4.12, 4.10,4.08, 4.06) 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.** 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 v4.18 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.**

### **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 cnc2.exe and wizard.exe and make an exclusion for the folders >cncm and/or >cnc2 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>