Hard- und Software Burkhard Lewetz

Technical Software Engineering

How does it work ...
...with *WinPC-NC* ?

Initial installation of *WinPC-NC* on your computer

- ✓ Light
- ✓ USB
- ✓ Professional

These instruction will guide you through the first time installation of *WinPC-NC* On a Windows based PC

Hard- und Software
Burkhard Lewetz
Brückenstraße 7
D-88074 Meckenbeuren

E-Mail: info@Lewetz.de
Web: www.Lewetz.de
Shop: www.Lewetz.net

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Checklist

Before you proceed, please check if you meet the following requirements for a succcessfull installation.

Necessary Items

WinPC-NC software on CD or USB stick or download file, if you purchased ***WinPC-NC*** online.

A modern computer with the following minimum capabilities :

- Windows 11, Windows 10, Windows 8, Windows 8.1, Windows 7, Windows Vista, Windows XP (32 or 64-Bit-System)
- CPU speed better than 2 Ghz
- a free USB 2.0 or higher port
- a minimum of 250 MB of free space on your hard drive
- a mimimum of 1GB of free RAM memory
- a compatible mouse or mouse pad, alternatively a touch screen
- a monitor with a minimum resolution of 1280x1024

Accessories : USB cable, ***ncUSB*** box or ***nc100*** USB adaptor or ***sc100*** USB board mounted in your control system.

Please note :

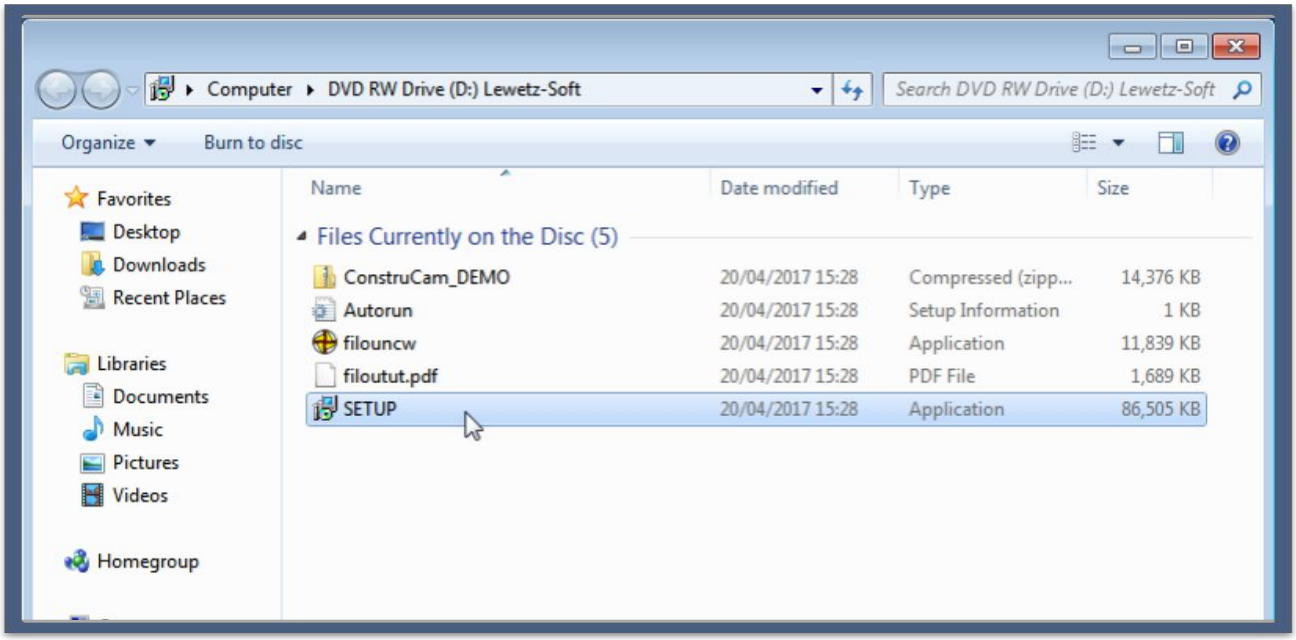
Do not connect your USB hardware and USB cable prior to the software installation!

Step 1: Start of installation

Insert the installation medium with the ***WinPC-NC*** software into your CD/DVD drive and wait a moment until the automatic playback starts.

As soon as the following window appears, click on Run setup.exe.

If you have deactivated the automatic playback, open your CD/DVD drive with the file explorer and start the file SETUP.EXE with a double click.



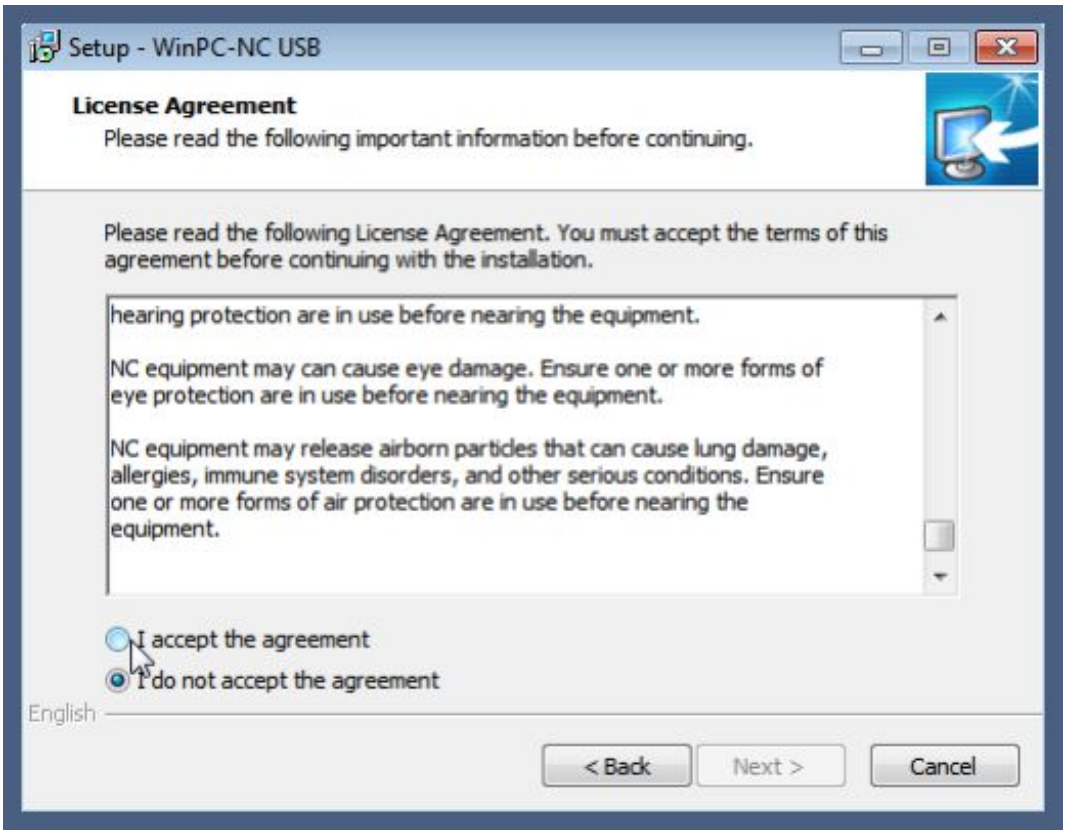
Step 2: Automatic installation wizard

First, please select a language and confirm your input by clicking on OK.

Now the automatic installation wizard opens in the selected language and supports you during the installation. To do this, follow the instructions of the wizard exactly.

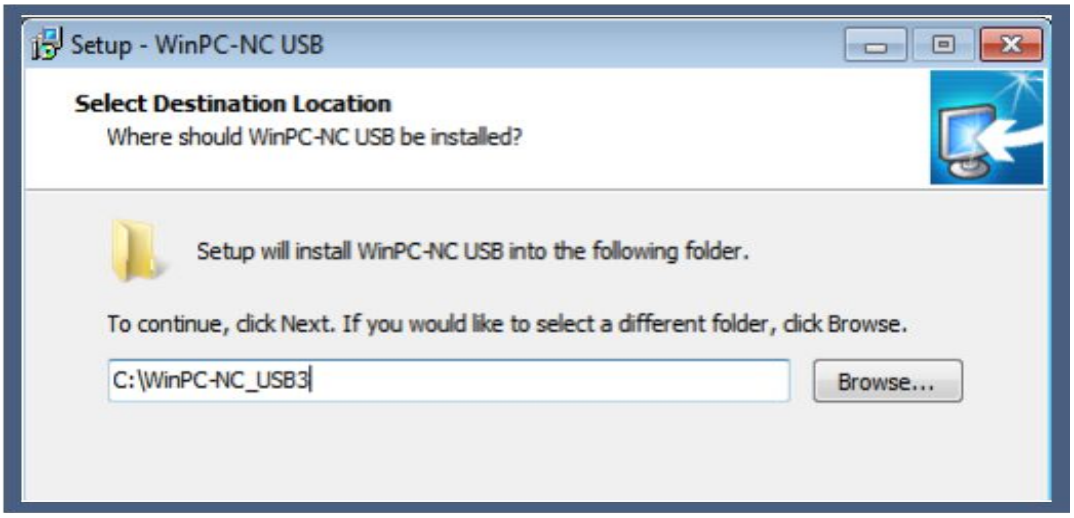
Now click **Next >** to continue or **Cancel** to not install the software after all.

In the following dialog you will be asked to read and accept the license terms.



Please read this information carefully and accept it by selecting the checkbox **I accept the agreement.**

After another click on **Next >** you will get to the dialog for selecting the installation location.

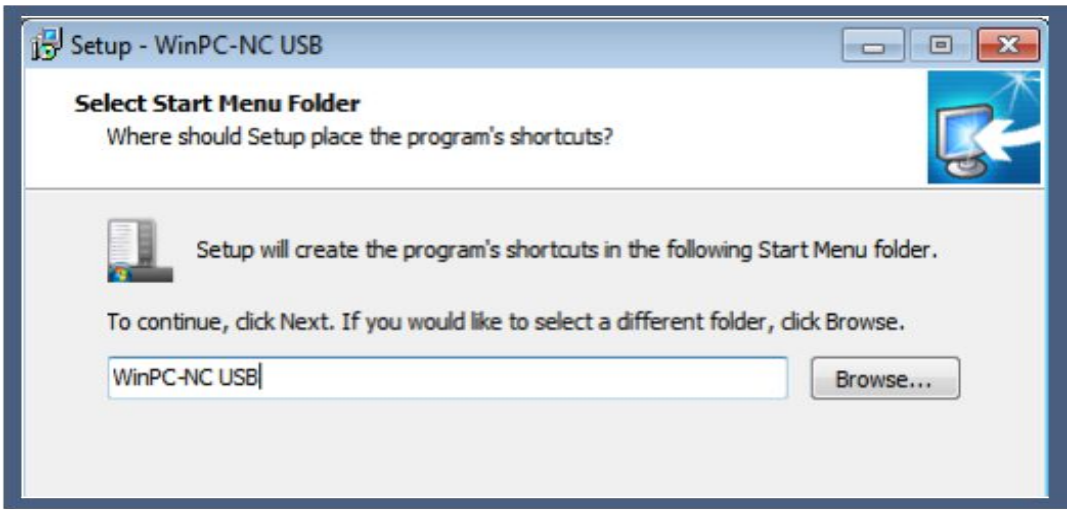


With the **Browse...** it is possible to change the location. Select it manually and then confirm the selection with **OK**.

Please note :

***WinPC-NC* requires certain access rights in the directory to save settings and protocols. We therefore recommend to keep the suggested target directory under C:\WinPCNC_USB.**

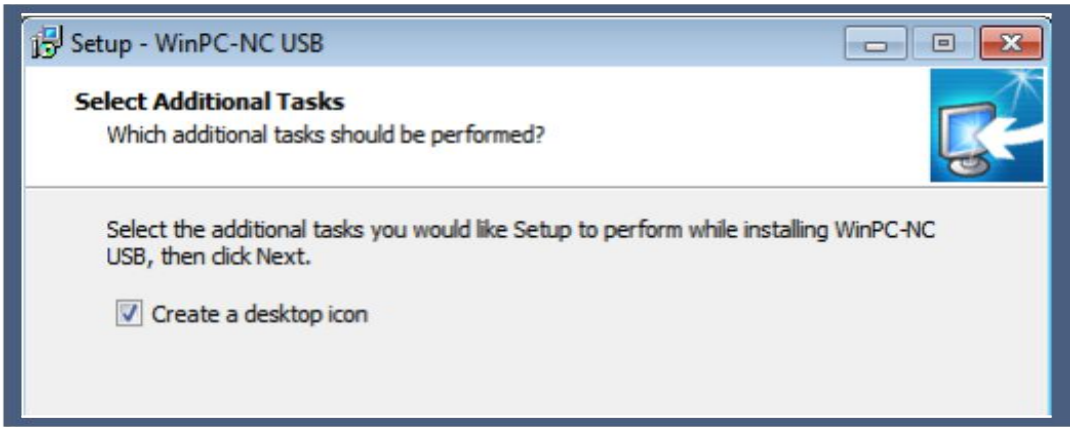
In the next dialog you will be asked to select the location of the program link and icon.



Here, too, it is possible to make a personalized selection. To do this, use the **Browse...** button again.

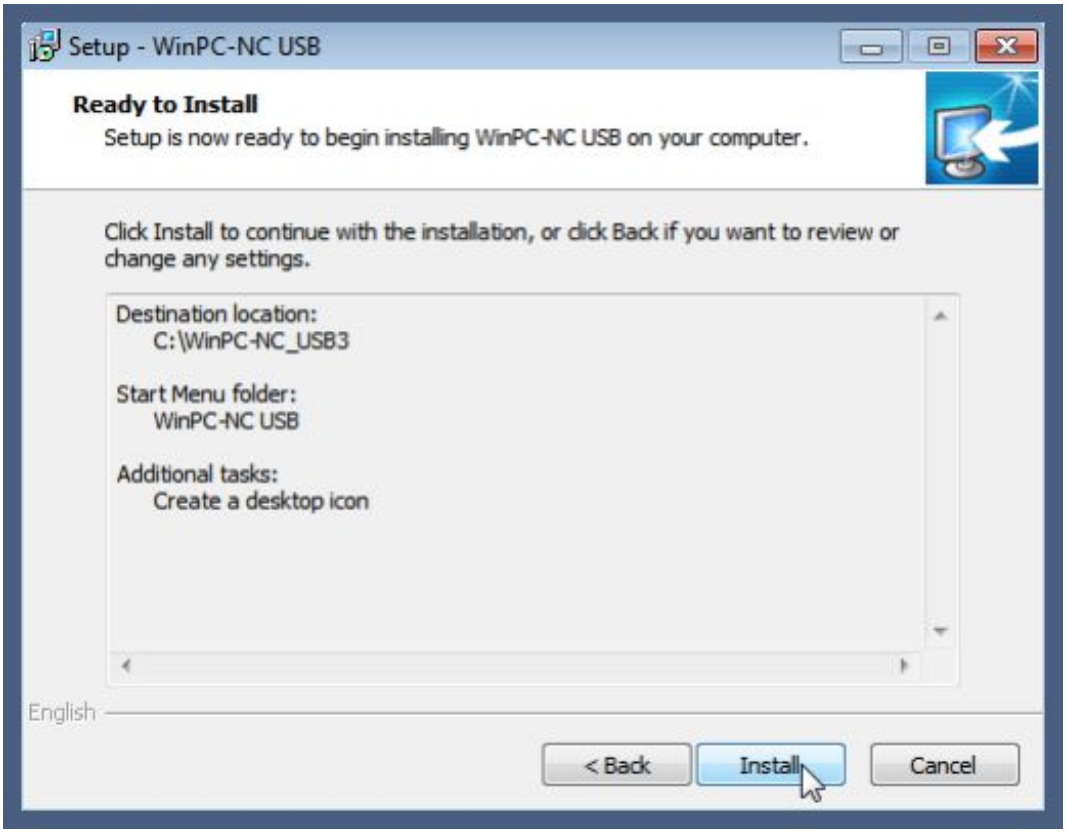
Then confirm your selection by clicking **Next >**.

Now you will be asked to select whether a program shortcut should be created on the desktop.

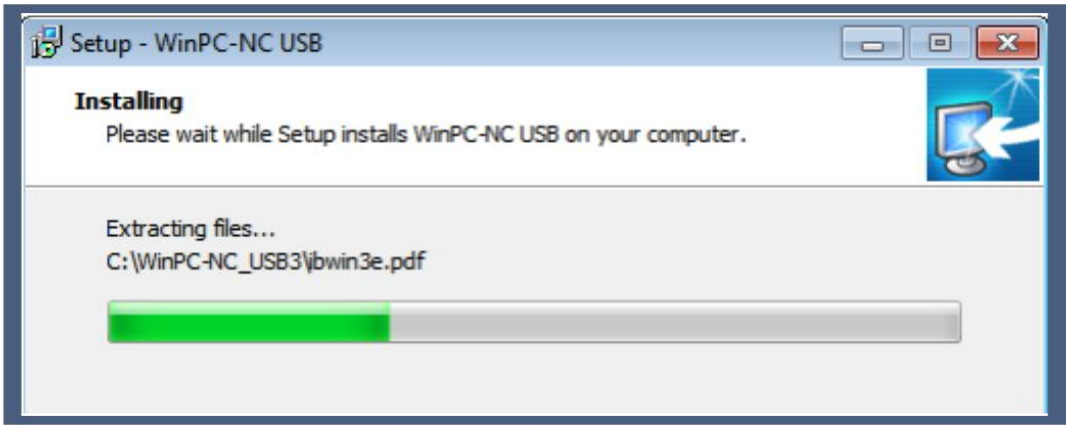


If you do not want this, uncheck the **Create a desktop** icon checkbox. Afterwards please click on **Next >**.

In the following dialog, your selected settings will be summarized for you once again.



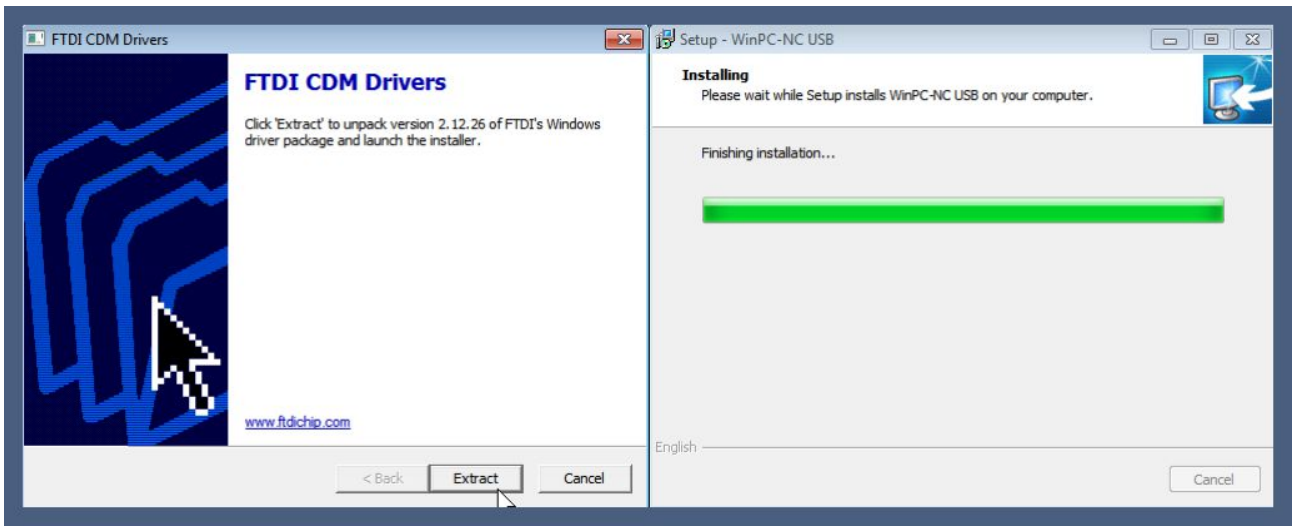
Check your settings again here. Changes are possible at any time with the **< Back** button. With a click on **Install** the installation will start automatically.



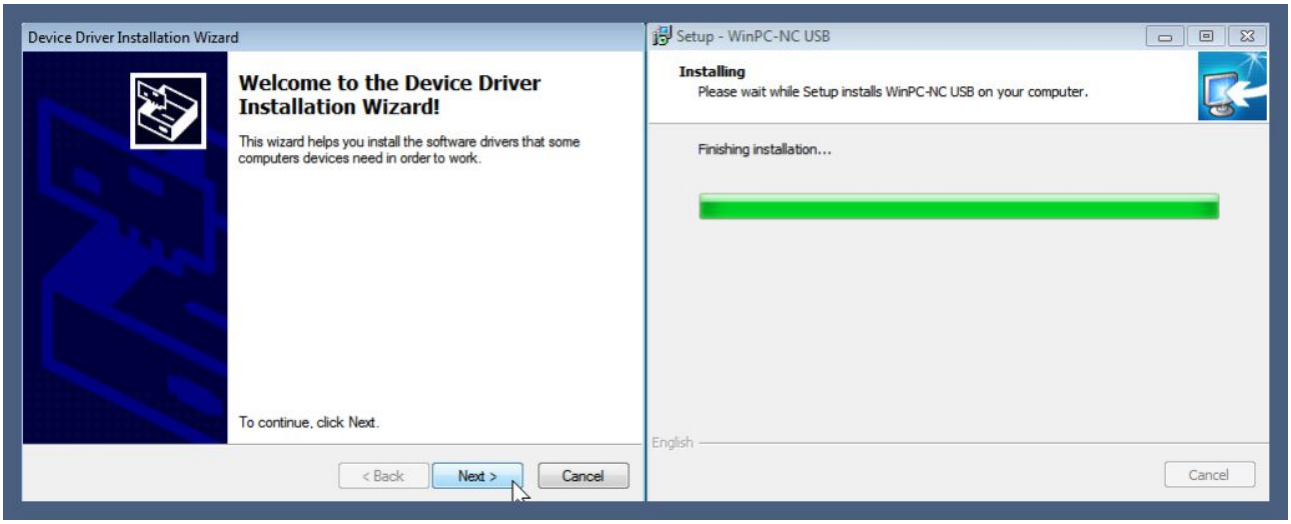
Now the software will be installed on your PC with the settings you made. This may take a short moment.

Step 3: Automatic installation of USB driver

During the running installation you will be asked to install the drivers for the USB communication. For this purpose a separate window opens automatically (on the left side of the picture), while the last display window of the ***WinPC-NC*** installation keeps still open in background.

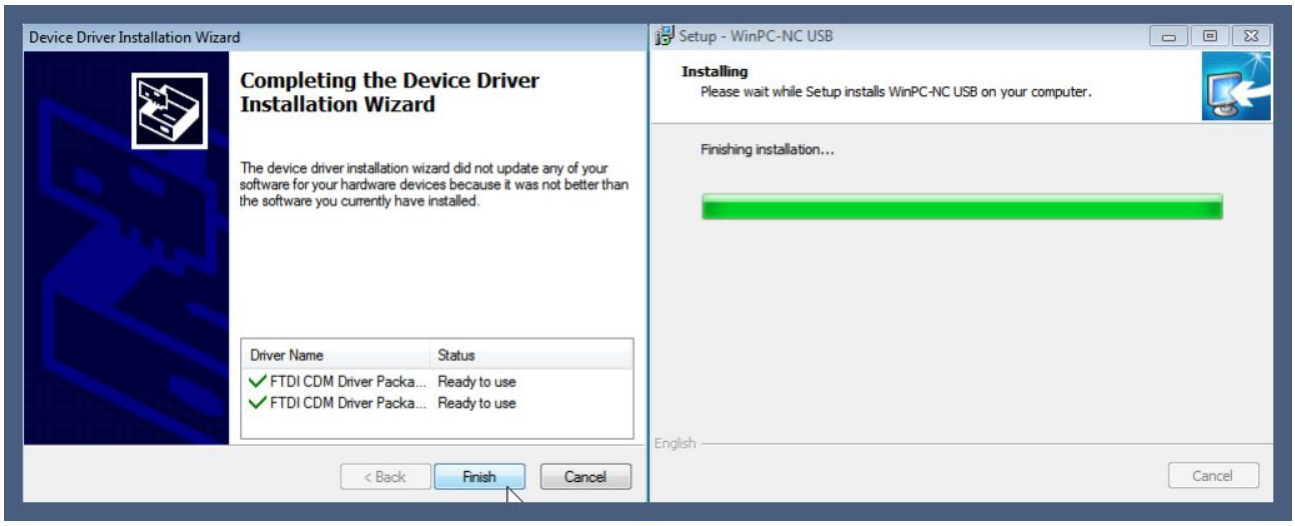


Here again confirm the driver installation by clicking **Extract**. Again, follow the wizard by clicking **Next >**



Please read and accept the license agreement for the driver and confirm with **Next >**.

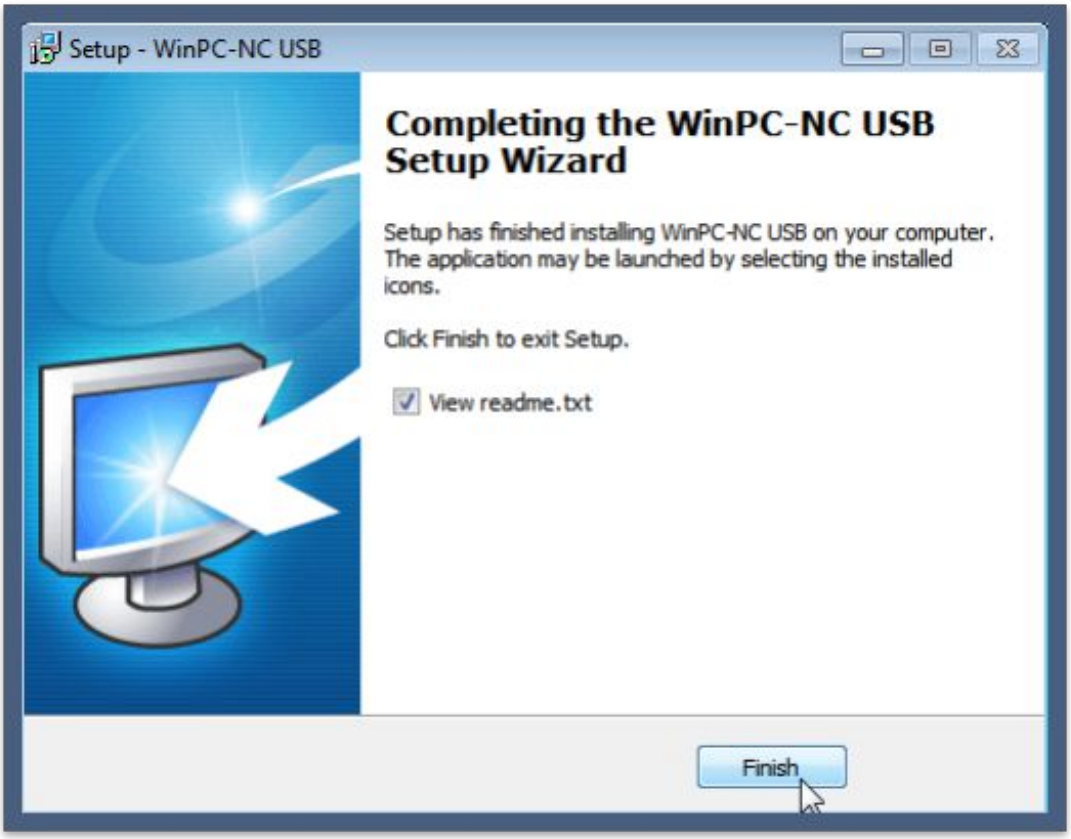
After a short waiting time the drivers are copied and you can close the driver installation wizard by clicking **Finish**.


Device Driver Installation Wizard
Completing the Device Driver Installation Wizard
The device driver installation wizard did not update any of your software for your hardware devices because it was not better than the software you currently have installed.
Driver Name
Status
FTDI CDM Driver Packa...
Ready to use
FTDI CDM Driver Packa...
Ready to use
< Back
Finish
Cancel
Setup - WinPC-NC USB
Installing
Please wait while Setup installs WinPC-NC USB on your computer.
Finishing installation...
English
Cancel

Step 4: Installation of *WinPC-NC* is finished now

You now have the option to select whether you want to read the info file via the **View readme.txt** checkbox.

This file contains additional information or news about your software and it is recommended to read it.



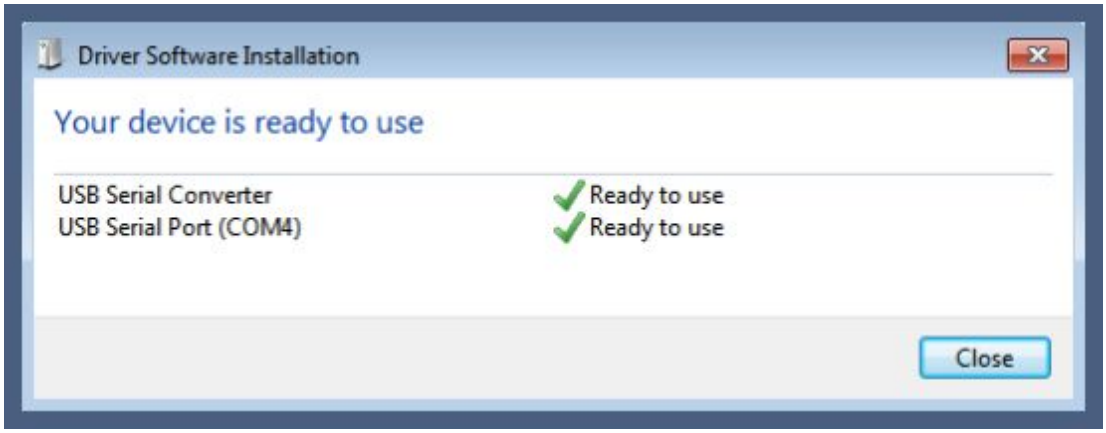
Finish the installation by clicking the **Finish** button.

Step 5: Connection to USB hardware

Now connect the USB hardware to a free USB 2.0 port on your computer using the included USB cable.

Windows will then start searching for new hardware and automatically install it on your PC. You can see this from the note above the PC icon in the taskbar.

The successful setup of the drivers and the USB hardware is signaled with the following message.



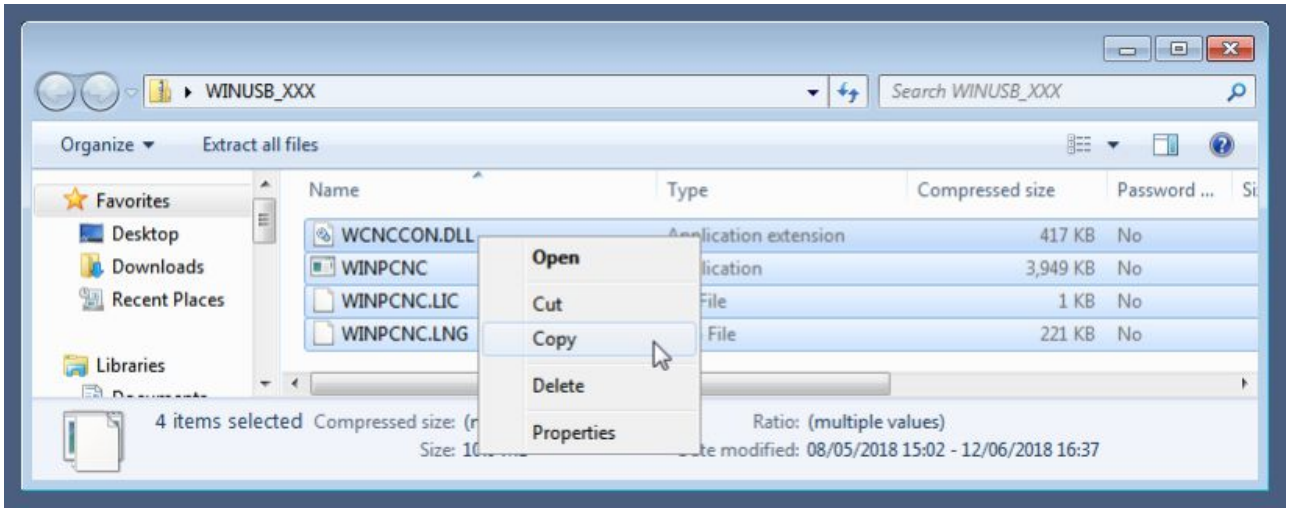
Step 6: Copy personalised files and licence file

If you got your license of ***WinPC-NC*** online or via download link, then you received in a second link the personalized files that exactly fit to your USB hardware. These must be copied in a further step.

Please note :

If you have a CD or you did not get a second link with the license data, then you can skip this step 6.

Open the loaded ZIP file by double-clicking on it, mark the included single files with the mouse and copy them to the clipboard.



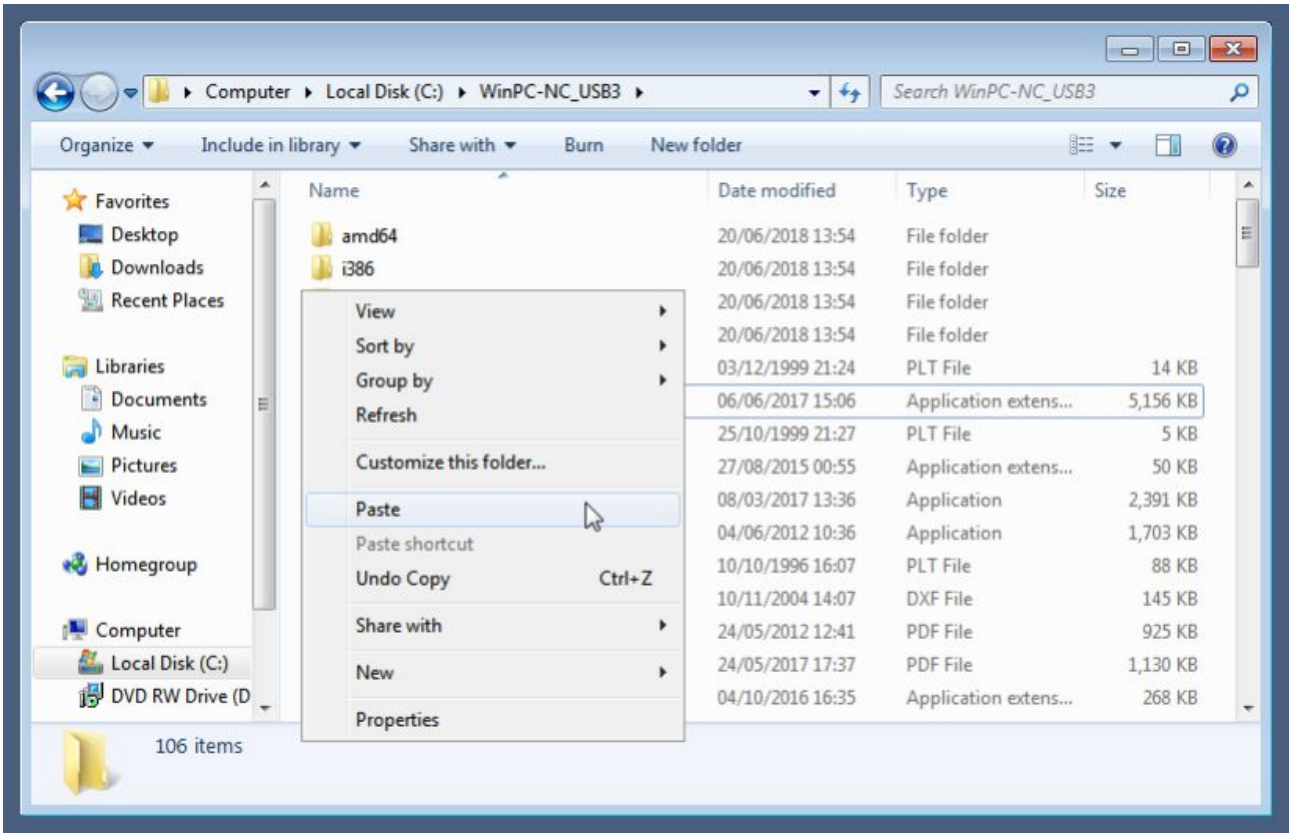
The ZIP file usually has the file name of the installed software and the user like WINUSB_Name.ZIP.

Please note :

With version 3 there are still 4 files in the ZIP archive while from version 4 on only the license file WINPCNC.LIC is included.

Open the **My Computer** or **Computer** icon with the **Windows Explorer** and select the just created installation directory of ***WinPC-NC***, e.g. C:\WinPCNC_USB3.

Then right-click in the directory and select **Paste...** to paste the previously copied files here, overwriting the old files with your personalized program files.

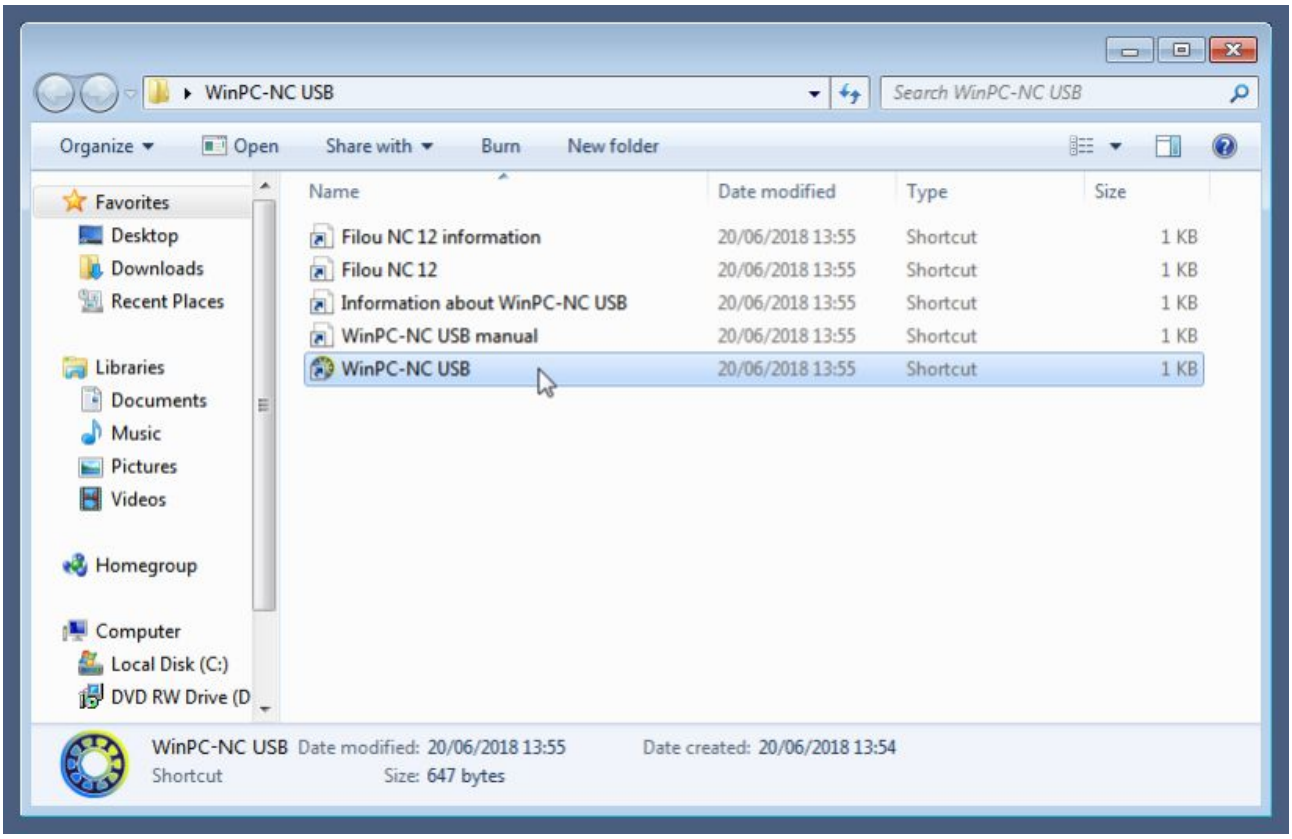


You must answer **Yes** to the message and question about overwriting the old files, and then you will have installed your personalized program files or just your license file for your USB hardware.

Step 7: Starting *WinPC-NC*

Start ***WinPC-NC*** for the first time via the shortcut on the desktop or in the start menu, depending on the location you have chosen in the installation.

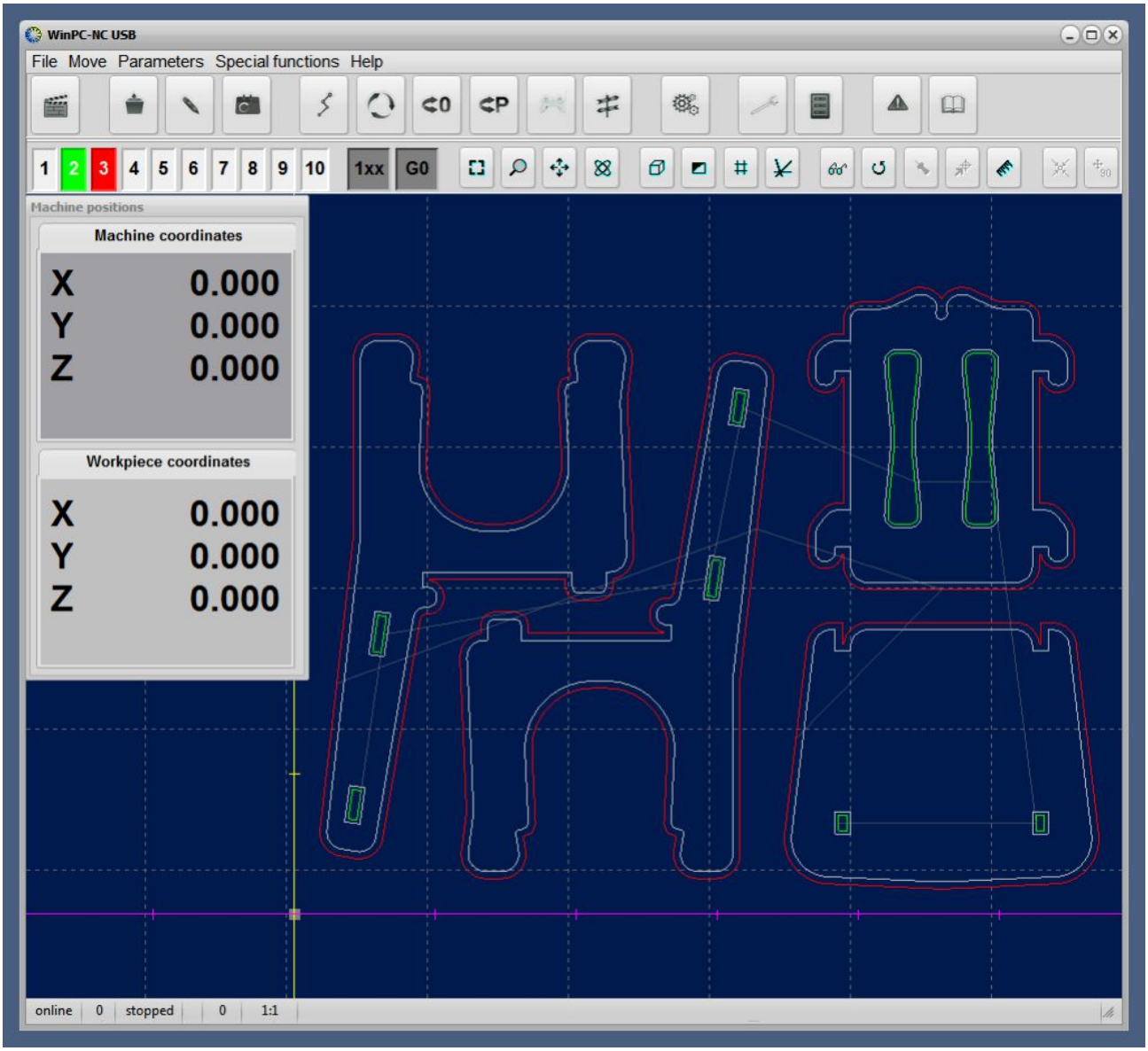
In the standard installation, this shortcut is located in the ***WinPC-NC USB*** or ***WinPC-NC Light*** folder on the desktop.



To do this, open the folder and start the software with a double click.

Now the program opens and you can work with it. The main screen of ***WinPC-NC*** with a loaded NC file looks something like the one shown in the next chapter.

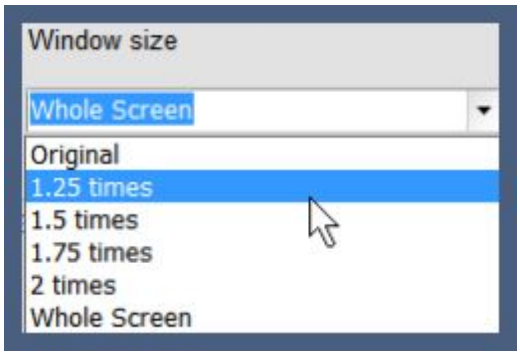
Step 8: Define window size and color scheme

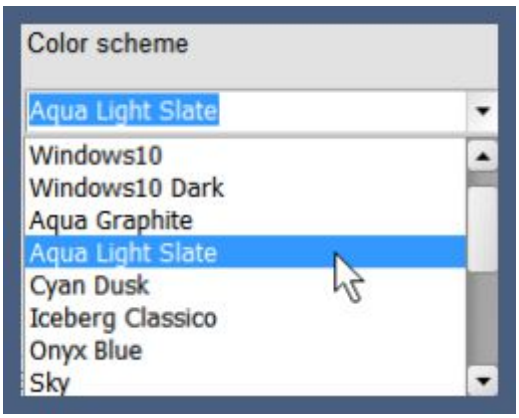


In order to adjust the display of the dialogs, the menus and the windows to the monitor you are using and the available screen resolution, we recommend that you make two settings right at the start.

Please open the **Parameter menu** and select **Basic settings**. Then select the **Display/Operation** tab and you will see the dialog with settings for the display.

Please choose a suitable setting under **Window size**, e.g. 1.25 times and confirm this with a mouse click. Immediately you will see the resulting window size, the size of the text lines and menus and you can adjust it to fit your workspace.





In a second step you could select another display color or color combination under **Color scheme**, which you like better or offers better display. Please always save your changes by clicking the **Save...** button.

For more information on how to use and configure your software, please refer to the user manual and the other **How to...** instructions.