

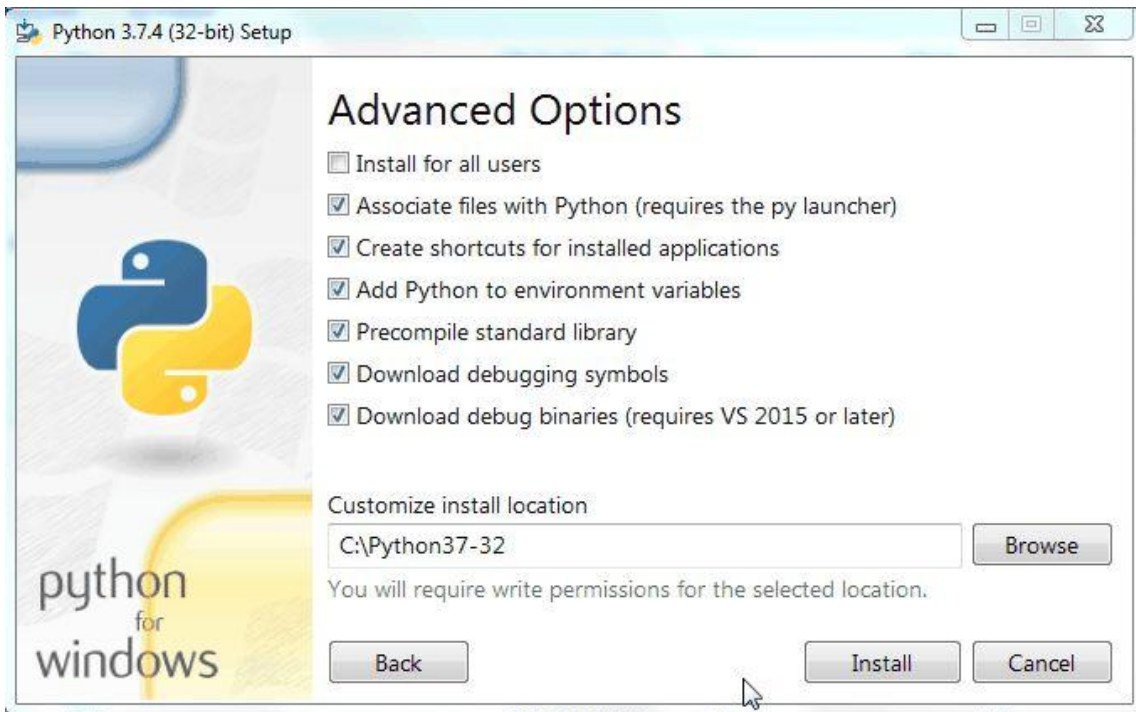
# Installing Python on Windows 7-32 for nanoVNA-Saver

Download and copy `E:\python-3.7.4.exe` (Run as administrator)



Install with Python installer add Python 3.7 PATH

`C:\Program Files\Python37-32` directory.



Update the pip file: run `cmd` (as administrator) and then

```
ca. Rendszergazda: C:\Windows\System32\cmd.exe
Microsoft Windows [verziószám: 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. Minden jog fenntartva.

C:\Windows\system32>python -m pip install --user --upgrade pip
Collecting pip
  Downloading https://files.pythonhosted.org/packages/54/0c/d01aa759fdc501a58f431eb594a17495f15b88da142ce14b5845662c13f3/pip-20.0.2-py2.py3-none-any.whl (1.4MB)
    100% |#####| 1.4MB 820kB/s
Installing collected packages: pip
Successfully installed pip-20.0.2
You are using pip version 19.0.3, however version 20.0.2 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

C:\Windows\system32>
```

`python -m pip install --user --upgrade pip`

need nanoVNA-Saver requires: PyQT5, numpy, pyserial and scipy modules:

```
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C:\Windows\system32>cd ..
C:\Windows>cd ..

C:\>python -m pip install --user --upgrade pip
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You are using pip version 19.0.3, however version 20.0.2 is available.
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C:\>python -m pip install --user numpy pyserial pyqt5
Collecting numpy
  Using cached numpy-1.18.1-cp37-cp37m-win32.whl (10.8 MB)
Collecting pyserial
  Using cached pyserial-3.4-py2.py3-none-any.whl (193 kB)
Collecting pyqt5
  Using cached PyQt5-5.14.1-5.14.0-cp35-cp36-cp37-cp38-none-win32.whl (44.9 MB)
Collecting PyQt5-sip<13,>=12.7
  Using cached PyQt5_sip-12.7.0-cp37-cp37m-win32.whl (48 kB)
Installing collected packages: numpy, pyserial, PyQt5-sip, pyqt5
WARNING: The script f2py.exe is installed in 'C:\Users\Klari\AppData\Roaming\Python\Python37\Scripts' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
WARNING: The scripts pylupdate5.exe, pyrc5.exe and pyuic5.exe are installed in 'C:\Users\Klari\AppData\Roaming\Python\Python37\Scripts' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed PyQt5-sip-12.7.0 numpy-1.18.1 pyqt5-5.14.1 pyserial-3.4

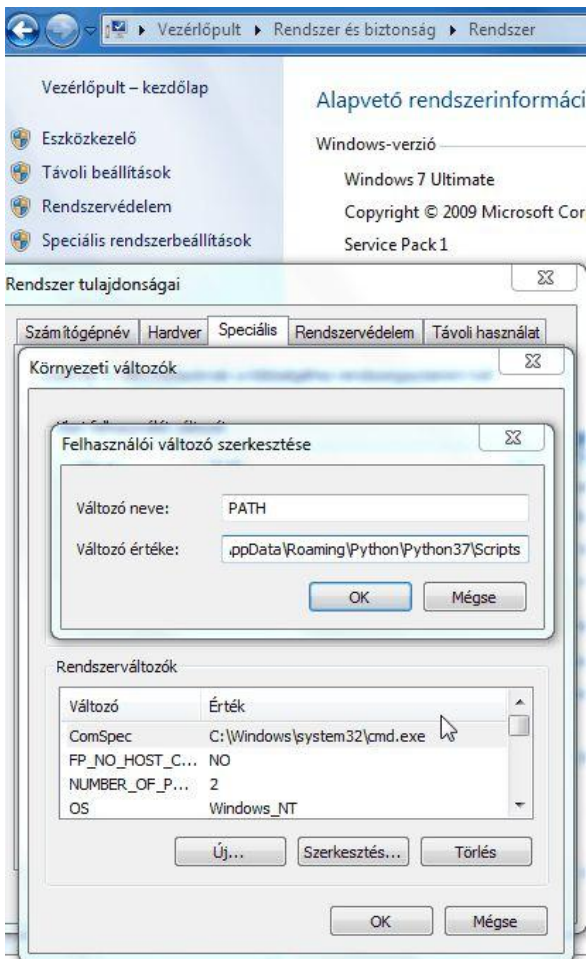
C:\>
```

`python -m pip install --user numpy pyserial pyqt5 scipy`

```
C:\>python -m pip install --user scipy
Collecting scipy
  Downloading scipy-1.4.1-cp37-cp37m-win32.whl (27.8 MB)
    |#####|: 27.8 MB 819 kB/s
Requirement already satisfied: numpy>=1.13.3 in c:\users\klari\appdata\roaming\python\python37\site-packages (from scipy) (1.18.1)
Installing collected packages: scipy
Successfully installed scipy-1.4.1

C:\>
```

Need Scripts PATH setup:  
Advanced System Settings  
Special  
Environmental variables  
User Variable PATH Edit:



Add: `C:\Users\name\AppData\Roaming\Python\Python37\Scripts`

Download and unzip to `C:\nanovna-saver` last nanovna-saver source-code now  
(<https://github.com/mihtjel/nanovna-saver/archive/v0.2.2.zip>)

Run `C:\nanovna-saver>python nanovna-saver.py`

Make desktop icon

`C:\nanovna-saver\nanovna-saver.py`