

Installation of jMRUI on Windows:

1. Install 32-bit java (jMRUI needs 32-bit java for 32-bit or 64-bit Windows) either online from http://javadl.oracle.com/webapps/download/AutoDL?BundleId=234471_96a7b8442fe848ef90c96a-2fad6ed6d1 or offline from http://javadl.oracle.com/webapps/download/AutoDL?BundleId=234472_96a7b8442fe848ef90c96a-2fad6ed6d1
Install it in any suitable directory – typically inside C:\Program Files (x86).
2. Install WinPython 2.7.5.3
Download WinPython from http://sourceforge.net/projects/winpython/files/WinPython_2.7/2.7.5.3/
For 32-bit Windows download **WinPython-32bit-2.7.5.3.exe** file,
for 64-bit Windows download **WinPython-64bit-2.7.5.3.exe** file.
Install WinPython in the directory of your choice (e.g. C:\Programs\WinPython32b_2.7.5.3\python-2.7.5.). (Avoidance of spaces in the path is recommended.)
3. Download **jMRUI** from <https://info.isibrno.cz/uschovna/download.php?klic=19092>
Run jmrui_v6.0_setup.exe to install jMRUI to a directory of your choice (recommendation: C:\Programs\jMRUI\jMRUI_60_utrecht - denoted as <jmrui> below), following the instructions.
Make sure you choose the right version of java and python in the dialogs.
4. To verify the jMRUI installation, double-click jmrui.bat file in <jmrui> folder.
jMRUI should start without a message "64 bit Java detected. Please verify your 32bit Java installation"
Then select NMRScopeB in the wizard and make sure that no antivirus software blocks connection to Python. (Connection to local computer, 127.0.0.1, has to be established, using a port whose number is given in <jmrui>\lib\nmrscopeb.bat. In case of conflict, the default port number can be overridden by adding the preferred port number on the python starting line in nmrscopeb.bat, e.g. python.exe nmrscopeb_server.py 12345.) After a while the NMRScopeB dialogs should appear.
5. Optional: For NMRScopeB, we recommend to install Notepad++ for editing/inspecting pulse sequences and protocols:
 - Download Notepad++ from <https://notepad-plus-plus.org/download/v7.5.8.html> - choose 64-bit or 32-bit version.
 - Install it in a directory of your choice (hereinafter denoted as <nmrscope++>), but your life will be simpler if no empty spaces are in the path, e.g. in C:\Programs\Notepad++).
 - Redirect NMRScopeB from using Notepad to using Notepad++ by modifying file C:\Users\<user>\eMruui\nmrscopeb\NMRSCOPEB.ini by adding or modifying line editor=<notepad++>\notepad++.exe in this file.
 - If Notepad++ has been installed on a path containing spaces, specify the 'editor' line of NMRSCOPEB.ini as editor=<jmrui>\notepad.bat, and save a batch file notepad.bat with one line similar to "c:\Program Files (x86)\Notepad++\notepad++.exe" %1, so that the preferred editor is started indirectly.
 - For improving pulse sequence readability, you may install syntax-based highlighting by creating or modifying file C:\Users\<user>\AppData\Roaming\Notepad++\userDefineLang.xml. If no user-defined highlighting has been used before, copy the file userDefineLang.xml attached into this directory. If this file already exists and contains at least one UserLang section, copy the <UserLang ...> ... </UserLang> of the attached file between the last </UserLang> and </NotepadPlus>.
 - Test the installation of Notepad++ by starting NMRScopeB in jMRUI, loading any protocol and pressing the button Edit. The protocol files should open in Notepad++, and the psq file should show syntax highlighting.