

0.2 Installation Guide

Prior to running the NMP evaluation example it is necessary to ensure all necessary software is installed. It will also be necessary to note the path to where certain pieces of software are installed.

1. **MATLAB** may be installed as normal following the installer.

Take a note of the path to where MATLAB has been installed.

For example MATLAB will by default install to the directory “**C:\Program Files\MATLAB\R2021b**”.

2. **Reaper** may be installed as normal following the installer.

Take a note of the path to where Reaper has been installed.

For example Reaper will by default install to the directory “**C:\Program Files\REAPER (x64)**”.

3. **X-MCFX Convolver.**

The downloaded zip file contains the .dll for the VST directly. No installation is required – these VST simply require placed in a plugin folder which Reaper uses. Ensure that Reaper has scanned this directory for new plugins.

4. **Kronlachner Ambisonics plug-in suite.**

These VST may be installed using the downloaded installer. Direct the installer to install the VST in a plugin folder which Reaper uses. Ensure that Reaper has scanned this directory for new plugins.

5. **Jacktrip.**

Create a folder on your C Drive and name it “**jacktrip 3**”.

Place the downloaded file “**jacktrip.exe**” in this folder.

The path to the location of jacktrip.exe should now be “**C:\jacktrip 3**”.

Take a note of the path to where Jacktrip has been installed.

6. **Jack Audio Connection Kit.**

JACK may be installed as normal following the installer.

Take a note of the path to where JACK has been installed.

For example by default JACK will by default install to the directory “**C:\Program Files (x86)\Jack**”.

Once the JACK installer is finished, a final step is needed.

In the NMP-Evaluation-Method-main/Guides find the file “**jackRegister.bat**”.

Right-click on this file and select “**run as admin**”.

You should see a CMD window open up and see a popup box with the message “DllRegisterServer in jackrouter.dll succeeded” (see the figure below).

If the path to the JACK installation is not the default used by the installer – you will need to alter the file “jackregister.bat” before running it. Right click on the file and select “edit”. Change the 1st line of the script to use the path to the “64 bits” directory using the path to where you have installed JACK.

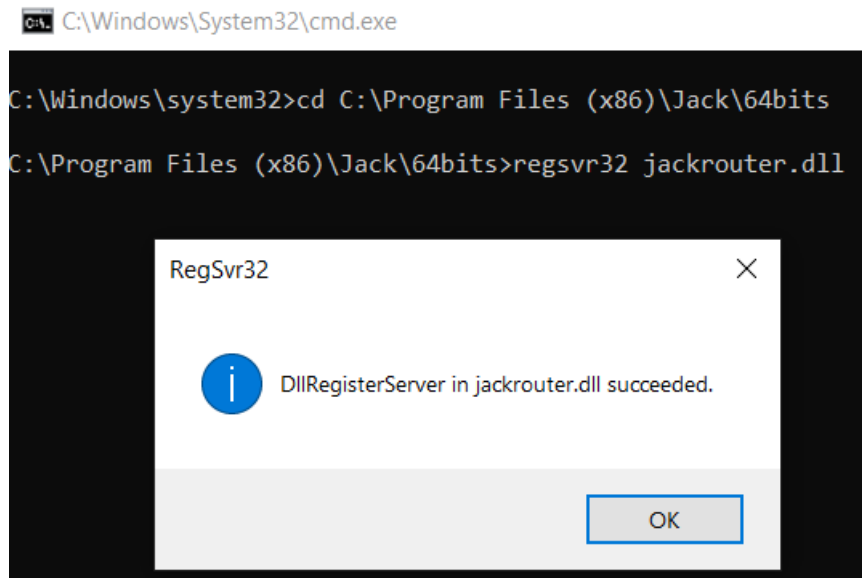


Figure 0.2.1 Success message after running the file “jackRegister.bat”.