

0.1 Additional Downloads Guide

To use the NMP evaluation framework example, you are required to have certain pieces of software which are not included in the github. A list of required software, and where to download it from is provided in this “Additional Downloads Guide”.

1. MATLAB 2021b.

A MATLAB app is used for participant GUI and test sequence control in the example. You will be required to download MATLAB (version 2021b is used). This is assumed to be licensed through your academic institution.

Download MATLAB 2021b at: https://uk.mathworks.com/downloads/web_downloads/
Alternatively you may be able to download MATLAB via your academic institution.

2. Reaper.

Reaper is used as the DAW in the example. You will be required to download Reaper. This is assumed to be licensed through your academic institution.

Download Reaper at: <https://www.reaper.fm/download.php>
Alternatively you may be able to download Reaper via your academic institution.

3. X-MCFX Convolver.

X-MCFX Convolver is a VST used in the example DAW session. To use the example DAW session, you will be required to download this VST.

X-MCFX Convolver VST is free and open source.

Download X-MCFX Convolver at: <http://www.angelofarina.it/X-MCFX.htm>

Version 1.0.2 is used in the example – meaning the file to download is “**X-MCFX-Convolver-1.0.2-Windows.zip**”.

4. Kronlachner Ambisonic plug-in suite.

The 3rd Order Ambisonic Binaural Decoder plugin is a VST used in the example DAW session.

To use the example DAW session, you will be required to download this VST.

The Kronlachner Ambisonic plug-in suite is free and open source.

Download the Kronlachner Ambisonic plug-in suite at:
<https://www.matthiaskronlachner.com/?p=2015>

The 3rd Order Ambisonic VST are used in the example – meaning the file to download is “**ambix_v0.3.0_win64_o3.exe**”.

5. Jacktrip

Jacktrip is a Network Music Performance application used in the example to stream audio between endpoints.

Jacktrip is free and open source.

Download Jacktrip at: <https://ccrma.stanford.edu/software/jacktrip/windows/index.html>

The version used is Jacktrip v1.3.0 – see the figure below for guidance on where on the linked page to find this download.

6. Jack Audio Connection Kit (JACK).

JACK is used in the example to route audio between applications and soundcard at each endpoint.

JACK is free and open source.

Download JACK at: <https://ccrma.stanford.edu/software/jacktrip/windows/index.html>

The version used is 1.9.11 – see the figure below for guidance on where on the linked page to find this download.

Installing JACK

Since JackTrip works with JACK, it is important that you download and install JACK **before** you install JackTrip.

1. For new installations, download JACK for windows [here](#). For legacy versions of JackTrip, download JACK for Windows [here](#) (this is Jack2 v1.9.17)
2. An older version of JACK for Windows is available [here](#) (this is Jack2 v1.9.11)
3. Follow the directions in the JACK installer

Installing JackTrip

Follow the instructions at <https://jacktrip.github.io/jacktrip/Install>

Of historical note:

1. [Download](#) the Windows executable (this is v1.3.0) for Win10 only. This should work with JACK 1.9.17 and JACK 1.9.11.
2. An earlier version of JackTrip v1.3.0 compiled against JACK 1.9.11 is available [here](#)
3. The v1.2.1 executable is [here](#) and may work on earlier versions of Windows (or not).
4. No need for an installer
5. Copy it to another folder or just run it from Downloads

Fig 0.1.1 Indication of where to download Jacktrip v1.0.3 and JACK2 v1.9.11.