

Tutorial on How to Download Juce

1.0 Materials Needed

The materials needed to download and properly run the Projucer (JUICE) program are as follows:

1. XCode (or some other program) is needed because of its capabilities of compiling and running C++ formatted files.
2. A DAW, which stands for digital audio workstation, is the workstation that'll be using to test the VST plug-in that XCode, and Projucer create, which segues perfectly into:
3. Projucer, which is simply the actual physical Juce program that you need to use to create the VST with Juce.

2.0 Installation Guide

Once these materials are “gathered” (simply found on the web wherever you might want to take them from), they can be installed. The installation procedure that needs to be done for each one of said “materials” is seen below:

1. XCode can initially be found in the Microsoft Store, or the Apple Store.
 - a. From there, simply click on the app to download the program.
 - b. The following errors may occur: XCode cannot be downloaded, your computer cannot install XCode at this time, etc.
 - i. The most common fix for this error is to simply update your computer (as XCode normally must be done on a newer operating system rather than an older one).
 - ii. If your computer is updated and these errors still are occurring, please look into if the computer used (its make and model) can run XCode, and its associated “mini-programs”.
2. DAWs can be found almost anywhere.
 - a. If you have a Mac, your computer is instantly assigned the DAW of GarageBand.
 - i. However, if you'd like a step up from this, you can try purchasing Logic Pro for Mac too.
 - b. If you have a PC, these options are unavailable. So, FL Studios, or Ableton are what'd be used.

- i. FL Studios is more popular among new-wave pop / hip-hop producers.
 - ii. Ableton, though, is the more stapled program in the industry.
 - iii. Both have their own strengths and benefits, and both start at the price of 100. Test out what's there to like about each of them, and then go with whatever feels right.\
3. Projucer is simply the name for the "full JUCE" program that builds your plug-in. This can be obtained for free by the following link: [Get JUCE | JUCE.](#)
 - a. Once Projucer is downloaded through that link, it's important to remember to play around with the program to determine what plug-in type you might want to make, or just to get a general feel of everything you could be using.
 - b. For more information on point A, please look at the Juce Tutorials document as well.

3.0 Notes to Consider

The following are notes on the installation process that were observed:

1. It might be safer to get a DAW that is cross-platform because you don't want it to be a pain for anyone who doesn't have a MAC to not be able to use your plug-in well because it functions best in Logic Pro.
 - a. Ableton is probably your best way to go, but personally, FL Studios is what I go to (so, to each their own).
2. Make sure you have all necessary packages and documentation downloaded when you are downloading Projucer, so that you don't run into any errors that are confusing you for hours / that you weren't expecting: [Documentation | JUCE.](#)
3. One reason your computer wouldn't run XCode would be that it is simply too old to (XCode is not preferrable to computers that were made prior to 2016 (operating system wise that is)).