

Note on Revit Installation on Personal Computers

If you already have Revit 2013 in your laptop

We are using **Revit 2013 (SP1)** in the class. Make sure you have **Update SP1** applied to your **Revit 2013** in your computer. (Refer to item 13 below to check it. SP2 may be already out by now, and you may use it instead if you like.)

Installing Revit 2013 (SP1) in your laptop

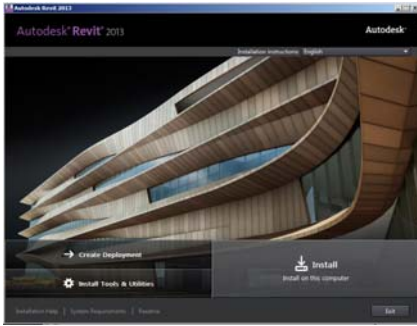
Autodesk distributes free student version that lasts 13 months. For installation, **Revit** manual recommends your computer to have 4 GB RAM (more RAM is better) and 5 GB of free disk space for the software on **C:** drive. However, on-line installation requires additional 9 GB of free disk space for temporarily storing installation files (which can be removed after installation, and can also reside on a USB disk). So, you would need 14 GB free disk space in total. (To add and utilize more than 3GB RAM, you need **64-bit** version of **Windows 7** or **Vista**.)

1. Go to **Autodesk Education Community** site at
<http://students.autodesk.com/>
2. If you do not have a student account there, go **Register** (at top-right of the page) and obtain a new **Autodesk Student** account with a password
3. Log in (at top-right of the page) with your **Autodesk Student** account and password
4. Go to the menu, **Free Software**, and you are at **Download Center**
5. Select **Autodesk Revit (This is the unified version for Architecture/MEP/Structure)**
6. In the pull-down menu, **Choose Your Version**, select 2013 version.
Choose English, and choose
Revit Architecture 2013 + English + 32/64-bit
The installer will install 32-bit version if your OS is 32-bit, and 64-bit version if the OS is 64-bit.
7. The browser jumps to a download page with a **Download** button. Also the **Serial Number** and **Product Key** displays on the page. This information will probably emailed to you, but make sure to copy/paste these numbers to somewhere or take a note of them as you may need this information later. They look like the followings.
Serial Number: 123-12345678
Product Key: 123Z4
8. Make sure you have enough free disk space (14 GB total) as previously mentioned, and are connected to a fast internet (I recommend you to do this at school as its internet speed is usually decent).
9. Just click **Install/Download** button now (**Windows 7/Vista** may request your permission at this point and wait till you say OK) and everything goes automatically. Downloading and installing the software takes at least half an hour up to a few hours, and in the process, the installer asks you to confirm a few things. In the end, you also would like to make sure the installer gets removed as it is quite a large file and you do not need it once the software is installed.
The whole process takes place in approximately three phases.
 - a. download a compressed installer file named something like
Revit_2013_English_Win_32-64bit.exe (about 4 Gbyte)
 - b. uncompress the installer file into an installer directory
If you just use the default, it goes to some location like

C:\Autodesk\Revit_2013_English_Win_32-64bit (about 5 Gbyte)

c. install Revit software

After the installer is uncompressed, actual software installation automatically starts and the installation dialog should show automatically. If not, you go into the installer directory above and double click **Setup.exe** to get the Installation dialog. Once you see the installation dialog showing up, you can safely delete the downloaded file (.exe file) and release its disk space (the file may have been deleted automatically by installer).



10. In the above dialog, choose **Install** and copy/paste/type the serial number and product key that you got from the downloading page earlier.
11. On the next screen, you see names of the following 3 products checked in a list.
 - a. Autodesk Revit Architecture 2013
 - b. Autodesk Design Review 2013
 - c. Autodesk Material Library 2013

Keep all of them checked as the class uses them all. (If you have loaded other **Autodesk** software such as **3DMax** or **AutoCAD**, items b and c may just tell you that they are already loaded on your computer. This is just as fine.)

Click on the triangle mark under **Autodesk Revit Architecture 2013** to see configuration options. The only option you need to change is under **Service Packs** section. Just enable the option for

Include Service Pack(s) from Autodesk.com (Update 1 or 2 if it is already out.)

Default installation gives you both **US Metric** and **Imperial (feet & inches)** unit settings. This is fine for the class. If you like, you may also choose other regional settings in the list under **Select Content Packs**.

After checking configuration options, click the triangle mark again to go back to the product list and click **Install**. After installation is completely done and you click **Finish** button, you can safely delete the installer directory that was created in step 9 (if not automatically deleted by the installer) and release its disk space.

12. Start **Revit Architecture 2013** (via **Windows Start Menu>Autodesk>Revit Architecture 2013**)
It will ask you whether you want to use it for 30-day trial or activate the software (for 13 months free). Choose **Activate**. It will then ask your **Autodesk** account and password.
Just follow the instruction, and your **Revit** software gets activated.
13. In the top right of the **Revit** main window, expand the ? menu and go to **About** item. Under **Build** information on the top right of the **About** dialogue, you should see **Update Release 1**. If you do not see this, you probably forgot to choose the option during configuration for installation. In this case, exit from **Revit** first, and make sure to install the **Update 1** by going to the following link:

<http://usa.autodesk.com>

In the search box, type **Revit 2013 Update 1 (or 2)** to find the page.

The updater comes differently for 32-bit version and 64-bit version. Choose the appropriate one that works with your Windows operating system.

When asked, just click **Run** and wait till the installation is over. This takes a good amount of time up to 30 min. or so. Then start **Revit** again, go back to **About** item under ? menu, and confirm your **Revit** has **Update Release 1**.

14. I believe you can use the same account and password to load the software on up to two machines. (I have not tried this on Revit 2013. It may not work any longer.) If you have more than two machines, there is also a built-in mechanism to move your license from one machine to another through the following menu.

Start-up menu >...>Revit 2013>License Transfer Utility

Basically, you will export your license from current machine, and then go to Revit in another machine where you can import the license.

15. That's it.

16. (Optional)

If you want to experiment with **Revit** before you come to the first class, read the followings.

- a. Start **Revit** and turn off **Hardware Acceleration**

The following option (Default is on) speeds up some operations (such as View rotation) but may crash your computer if its graphics chip is not compatible (such as in many Mac models). For now, turn the option off until you thoroughly test your computer yourself (by turning it on and working for a while).

R menu > Options (lower-right of dialog) > Graphics > Use Hardware Acceleration: check this off

- b. Try video tutorials available on-line

Here are two helpful resources for self-oriented learning of **Revit**. Both sites are linked from the following page: <http://cat2.mit.edu/4.561/2012s/samples.html>

- [Lynda.com for MIT](http://lynda.mit.edu) (<http://lynda.mit.edu>) This is a commercial site providing on-line software tutorials on video. MIT community members get free access if you use it on MIT network or with MIT certificate on your machine. Once you get into the home page, go down to Software section and click Revit. The 10 hour course titled Revit Architecture 2013 Essential Training will give you a good training for starters.
- [Autodesk Revit Video Tutorials \(Revit 2011-3\)](#) : Official on-line video tutorials by Autodesk

Appendix A: Manually Installing Templates or Libraries

When you start **Revit** for the first time, you may see an error window that says: "The default template file you have specified does not exist." It is very unlikely that you see this, but it means your installation process somehow skipped installation of templates or libraries. For fix, you may just copy them from your friends, or you can follow below for a fix.

1. Make sure you are connected to Internet.

2. **Windows XP:** In the Windows **Control Panel**, click **Add or Remove Programs**, select the **Revit** application from the **Currently Installed Programs** list, and click **Change/Remove**.
Windows Vista/ Windows 7: From the **Start** menu, select **Control Panel ► Programs and Features ► Uninstall or change a program**, click the **Revit 2013**.
3. On the installation page, click **Add or Remove Features**
4. On the **Add or Remove** content page, select the content to add, or deselect the content you wish to remove.
5. In Default content, select if you would like **English US Imperial** or **English US Metric** as the default for the program.
6. Click **Next** to update your **Revit** installation.