



3DSYSTEMS™

## 3D SYSTEMS University

CubeX 3D Printer

“Lesson – Downloading and Installing CubeX Software, Software Overview”

Revision date: 10/22/13



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# Objectives

*After completing this lesson you will:*

- Know how to Download and install the CubeX software
- Have an overall understanding of the CubeX software
- Be ready to learn how to prepare and print your creations

# Downloading the CubeX Software

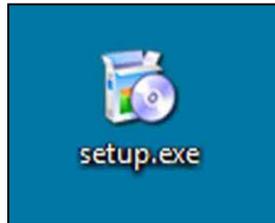
Go to [Cubify.com/cubex/index.aspx](http://Cubify.com/cubex/index.aspx) and click on **DOWNLOAD SOFTWARE FOR WINDOWS** to your USB stick or save on your computer.

The screenshot shows the Cubify website's product page for the CubeX 3D printer. The page layout includes a top navigation bar with links for 'Shop', '3D Printers', 'Cloud printing', 'Create', 'How it works', and 'Community'. The main content area features a large image of the CubeX printer on the left, with the text 'Need big, professional parts fast? With CubeX, it's a slam dunk!' and 'Starting at \$2499. Financing available now with BillMeLater'. A 'BEST OF CES 2013 WINNER' badge is visible on the right. Below the main image are buttons for 'ORDER NOW', 'ORDER SUPPLIES', and 'WHICH 3D PRINTER IS BEST FOR YOU'. A 'Learn More' section contains several links, with 'Download software for WINDOWS' highlighted by a red box. The bottom section, titled 'CUBEX FEATURES', includes three columns: 'Largest print size in its class' (with an image of a printer), 'Multi-color printing for all your designs' (with an image of a printer), and 'Prints with multiple materials too' (with an image of a globe).

# Installing the CubeX Software

1. Go to the directory where the CubeX software was downloaded and unzip the CubeX software folder.

2. Run the CubeX Setup file.

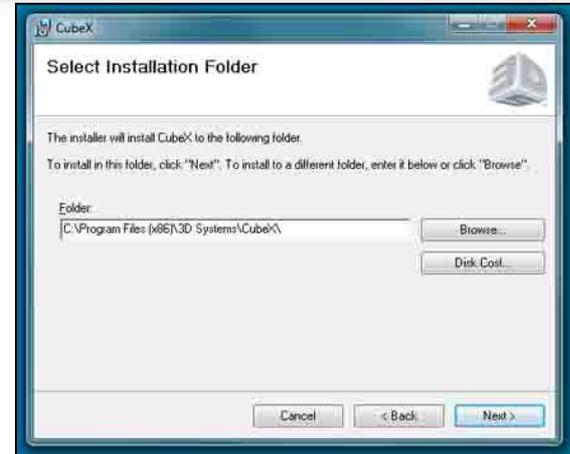


3. Follow the installer wizard.

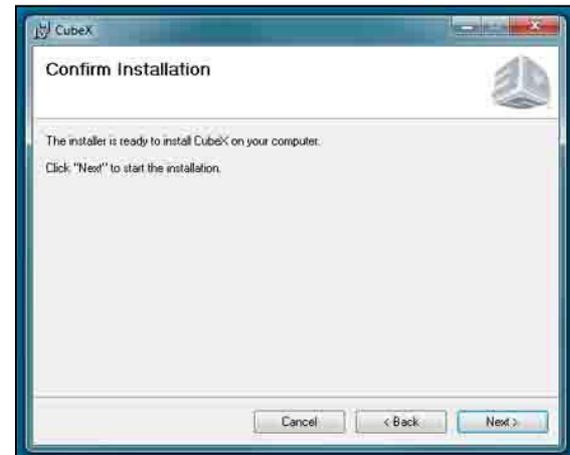


# Installing cont.

4. Select a destination for the installation.



5. Click next to begin the installation. A message “if you want to let the CubeX software make changes to your computer” will appear, select yes.



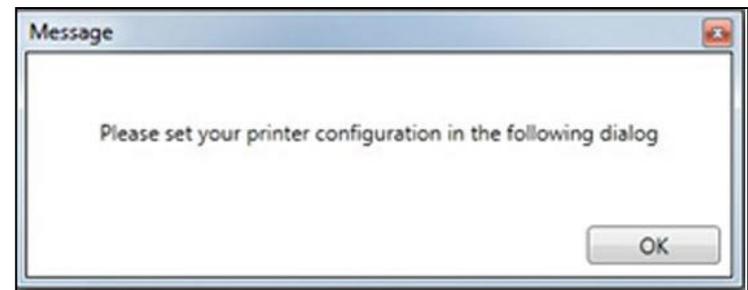
6. The installation is now complete, you can open the CubeX software from the icon located on your desktop.

# CubeX Software Overview

- The CubeX software is used to create the .cubex files that your CubeX will use to create your parts. The software allows you to orient, scale, re-size and rotate the part before printing.

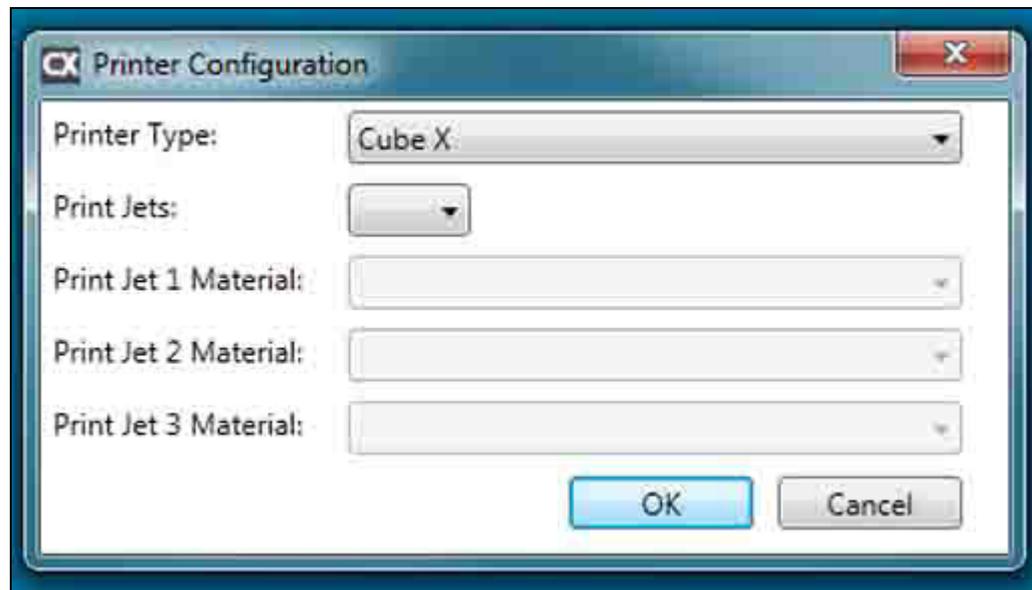


- When you first open the CubeX software you will be greeted with a message asking you to configure your printer in the CubeX software.



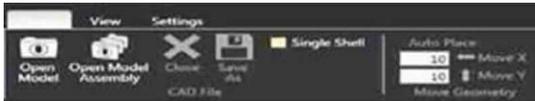
# Software Overview

- Once the printer configuration window opens, select the number of “Print Jets” that is installed and the material types that are loaded into the Print Jets. Click “OK” to save these settings.



# User Interface

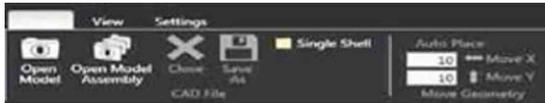
## HOME TAB



|            |                     |   |
|------------|---------------------|---|
| STL FILE   | Open                | Opens a .stl file   |
|            | Open Model Assembly | Open a multi-part assembly of .stl files                      |
|            | Close               | Close the open .stl file                                      |
|            | Save As             | Save the current open .stl file                               |
|            | Auto Place          | Automatically places .stl files which are already open        |
|            | Single Shell        | When checked will automatically select all parts as one shell |
| PRINT FILE | Open                | Opens a .cubex file   |
|            | Close               | Close the open .cubex file                                    |
|            | Save Print File     | Save the current open .cubex file                             |

# User Interface

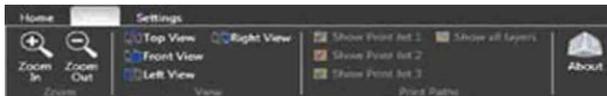
## HOME TAB (cont.)



|                 |   |   |
|-----------------|---|---|
| SCALE GEOMETRY  | % Scale   | Scale your part before creating the .cubex file     |
|                 | To mm   | Change a part from inches to mm                     |
|                 | To inches   | Change a part from mm to inches                     |
|                 | Revert  | Undo changes made using the Scale Geometry options  |
| ROTATE GEOMETRY | X / Y / Z   | Rotate the part in the X, Y, or Z axis              |
|                 | Revert  | Undo changes made using the Rotate Geometry options |
| PICK SHELLS     | Select which Print Jets print which parts. The available options will vary depending on how many Print Jets you have active and what colors are loaded into them. |   |
| BUILD           | Opens the build settings window.  |   |

# User Interface

## VIEW TAB



|             |                  |   |
|-------------|------------------|---|
| ZOOM        | Zoom In          | Press to zoom in  |
|             | Zoom Out         | Press to zoom out   |
| VIEW        | Top View         | Press to view the part from above   |
|             | Front View       | Press to view the part from the front   |
|             | Left View        | Press to view the part from the left  |
|             | Right View       | Press to view the part from the right   |
| PRINT PATHS | Show Print Jet 1 | Toggle to show the print paths for print jet 1 in a .cubex file   |
|             | Show Print Jet 2 | Toggle to show the print paths for print jet 2 in a .cubex file   |
|             | Show Print Jet 3 | Toggle to show the print paths for print jet 3 in a .cubex file   |
|             | Show All Layers  | Toggle to show all layers or to show one layer at a time. Scroll through the layers using the scroll bar found down the right hand side of the window |

# User Interface

## SETTINGS TAB



|                       |   |
|-----------------------|---|
| PRINTER CONFIGURATION | Opens the printer configuration window.       |
| BUILD SETTINGS        | Opens the build settings window.              |
| FIRMWARE UPDATE       | Used to update the CubeX 3D Printer firmware. |