

Ultimaker 2.0 Links and information

This is the link to the User Manual: <https://ultimaker.com/en/resources/157-unboxing>

Along the righthand side you will see the following:

1. Get Started
 - a. Unboxing: <https://ultimaker.com/en/resources/157-unboxing>
 - b. Installation
 - c. Calibration
 - d. Loading Filament
 - e. Printing
2. The basics
 - a. Changing filament: <https://ultimaker.com/en/resources/16955-changing-filament>
 - b. Bed leveling: <https://ultimaker.com/en/resources/17083-bed-leveling>
 - i. This is useful to do if you notice that the nozzle isn't laying down the filament evenly (in the z-direction)
 - c. Using glue: <https://ultimaker.com/en/resources/16968-using-glue>
 - i. This is a trick to use with ABS filament (my team did not study the effects glue has)
 - d. CURA and firmware: <https://ultimaker.com/en/resources/148-cura-and-firmware>
 - i. Can link to download page for CURA and gives basic information about the program
 - e. Display and Controller: <https://ultimaker.com/en/resources/147-display-and-controller>
 - i. The display on the printer is pretty self-explanatory, but this page has some basic information about it
3. Maintenance
 - a. Cleaning the glass plate: <https://ultimaker.com/en/resources/152-cleaning-the-glass-plate>
 - i. If there are a lot of particulates, dust, glue, or fingerprints on the glass plate, you may want to remove it to clean.
 - ii. I had to do this about once a semester
 - b. The feeder: <https://ultimaker.com/en/resources/151-the-feeder>
 - i. This link comes in handy when the printer jams and the feeder needs to be cleaned out from any grinded filament
 - c. Lubricating the axes: <https://ultimaker.com/en/resources/150-lubricating-the-axes>
 - i. There is a yellow bottle of sewing machine oil for the X/Y axis and a tube of green grease for the Z axis by the printer
 - ii. If you notice that the printhead is not moving smoothly it may need oil
 - d. Atomic method: <https://ultimaker.com/en/resources/149-atomic-method>
 - i. This is the most effective way I have found to cleaning out the nozzle
4. Troubleshooting
 - a. Extrusion problems: <https://ultimaker.com/en/resources/11704-extrusion-problems>
 - i. It could be the feeder, the nozzle, or the PTFE coupler
 - ii. I have had to change the PTFE coupler about once a semester:
<https://ultimaker.com/en/resources/250-disassembly>

The company that we order filament and parts from: <http://fbr8.com/>

**If you have any other questions or issues with the printer, I highly recommend just Googling the problem. They have a great open source community.