

# Connecting computers to Chemistry Group printers

Instructions on how to install printers onto personal or Cornell computer devices.

## See also

- [ChromeOS can't print to group printers](#)

Options outlined on this page since ChromeOS depends on Google Cloud Print and that service is not supported by Chemistry research group printers.

### [Command line sudo techniques for changing printing defaults](#)

Sometimes printer drivers don't give you important control of default settings. Such as for default duplex. On a Mac, here is a hard way to get those controls.

### [Printer set-up tips, including driver info](#)

Chemistry IT's experience with various brands of printers and driver software may save you time and aggravation.

### [Technology to make printing easier](#)

A placeholder page with ideas on ways printing could be made easier. Often would require additional investments so may not be worth exploring further or making any changes.

## Research Printers

- Most, if not all, research group printers are accessible from anywhere on campus. No VPN or special setup is required other than initial setup.
- The below instructions presume you are connected either through a wired campus network connection or via RedRover/Eduroam.
- Printing from a non-Cornell network (home, hotel, 3G/4G), requires the use of CUVPN.

## Install and configure your print drivers

These instructions should work in most cases. Some printers may require driver download from manufacturer and manual installation.

- [Printer set-up tips, including driver info](#)

See label on the printer for the **printer name**.

## Installation on Windows

### Windows XP

- Navigate to Printers and Faxes through the control panel
- shift+right click within white space of the window run as... add printer
- use either local admin account or ADM account
- Follow rest of instructions for windows: adding a port and printer

**NOTE:** Due to being an older OS and not supported the specific printer/driver may not be able to be found. It is possible to grab the driver from another similar machine, just be aware that finding the correct driver may be close to impossible.

### Current Windows (7, 8, 10)

- Open Control Panel, Devices & Printers
- Click on "add a printer"
- Choose add a **LOCAL** printer
- Create a new port – standard TCP/IP
- Enter the **printer name** for the address
  - See label on the printer for the **printer name** (please avoid using the IP address, especially since it can change!)
- Finish driver & printer installation by providing the driver as necessary and naming the printer something you prefer. In most cases, your computer will detect & install drivers.
  - Make sure "**Do not share this printer**" is selected
  - [Printer set-up tips, including driver info](#)

Installation on Mac OS X (editions of Mac OS X might have slightly different wording )

- You may want to install the most up-to-date drivers from Apple for your printer before installing (ex: see <https://support.apple.com/kb/dl1888> for HP printers or see <https://support.apple.com/kb/dl1861> for Xerox printers )
  - [Printer set-up tips, including driver info](#)
- Open System Preferences and go to Printers and Scanners
- Click on the + sign to add a printer
- Click on the IP system
- Enter the printer name for the address
  - See label on the printer for the **name** (please avoid using the IP address)
- Change the protocol to **HP JetDirect Socket (even if the printer is not an HP printer)**
- Leave the Queue empty, name and locate the printer something you prefer and will remember
- Correct the printer driver as necessary (generic drivers may work, but may cause problems with pdf printing, duplexing, or color)
- Ensure you have the required or desired default settings when printing (e.g.: duplex printing as opposed to single sided).
  - Sometimes printer drivers don't give you important control of default settings. Below are instructions for getting around that (requires Administrator credentials; please contact Chemistry IT if you need assistance):
  - [Command line sudo techniques for changing printing defaults](#)

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If you have any questions, problems, or concerns on connecting to your group's servers and/or printers, please first attempt to work with your group's computer person and when necessary, please contact Chemistry IT at [ChemIT@cornell.edu](mailto:ChemIT@cornell.edu) or stop by 140 Baker Lab for assistance.