

Sharing a Windows printer with OSX

1. Set up your printer on the Windows (XP/2003) system. It does NOT need to be shared.
2. Go to the Ghostscript home page (<http://www.cs.wisc.edu/~ghost/>) to download Ghostscript. In April 2002, version 7.04 was available here: <ftp://mirror.cs.wisc.edu/pub/mirrors/ghost/AFPL/g704/g704w32.exe>. After downloading this software, double click it and follow its instructions to install it.
3. GSview is also available from the Ghostscript site (<http://www.cs.wisc.edu/~ghost/>). In April 2002, version 4.2 was available here: <ftp://mirror.cs.wisc.edu/pub/mirrors/ghost/ghostgum/gsv42w32.exe>. After downloading this software, double click it and follow its instructions to install it.
4. RedMon is also available from the Ghostscript site (<http://www.cs.wisc.edu/~ghost/>). In April 2002, version 4.2 was available here: <ftp://mirror.cs.wisc.edu/pub/mirrors/ghost/ghostgum/redmon17.zip>. After downloading this software, expand it with WinZip or XP's de-compressor. Run the Setup program to install it.
5. On your Windows XP/2003 computer, open PRINTERS AND FAXES. Click ADD A PRINTER.
6. Choose to install a LOCAL PRINTER ATTACHED TO MY COMPUTER, and make sure the option to detect Plug and Play printers is unchecked.
7. On the SELECT A PRINTER PORT screen, choose to "Create a New Port." The type of port is REDIRECTED PORT. Accept the name of the redirected port RPT1:
8. Select a postscript printer such as **Apple Color LW 12/660 PS**.
9. If you get an option to keep or replace existing driver, choose to keep the existing driver.
10. Name your printer – call it Ghostscript. Do NOT set it as the default. Click NEXT, and DO NOT share the printer. Click NEXT and select NO when asked to print a test page. Click NEXT, then FINISH.
11. Right-click on the new GHOSTSCRIPT printer. Choose PROPERTIES, and select the PORTS tab. Select the RPT1: redirected port, and choose CONFIGURE PORT.
12. In the **redirect the port to this program** box, enter or browse to the path of the GSPRINT.EXE program, which you installed in step 3. Arguments for the program are **-printer "YourPrinterNameHere" -color -**. It is essential that you type the exact name of the printer, as it appears in the Printers window, and you include the trailing hyphen that stands alone. You may also need to add **-copies 1** in the arguments section if you cannot get your printer to work on the Mac.
13. In the RUN box, select HIDDEN. The default shut down delay value of 300 seconds is fine, but if jobs seem to be getting lost, you may increase this value.

14. Click OK and go back to the GENERAL tab. Click on PRINT TEST PAGE, and confirm that a test page comes out of your printer.
15. Now, we must set up PRINT SERVICES FOR UNIX. Click START, then CONTROL PANEL, or START > SETTINGS > CONTROL PANEL, then double-click ADD/REMOVE PROGRAMS.
16. Click on ADD/REMOVE WINDOWS COMPONENTS. Double-click OTHER NETWORK FILE AND PRINT SERVICES, and on the following window, select PRINT SERVICES FOR UNIX.
17. Back out of the Windows Components window, and if asked for the Windows XP/2003 CD-ROM, please insert it.
18. Return to the PRINTERS AND FAXES window, and double-click on ADD PRINTER. Follow the instructions as in step 6 and 7, but choose LPR PORT under the Create a new port dialog. Click NEXT, and type in the IP address of your server/workstation that the printer is connected to, In the NAME OF PRINT QUEUE section, type the name we used in step 10.
19. Click next, and choose the **Apple Color LW 12/660 PS**, as in step 8. Click next, and if asked, choose to KEEP EXISTING DRIVER.
20. Name your printer. DO NOT SET IT as the default. Click NEXT, and make sure that you DO share this printer. Under SHARE NAME, type MAC- followed by a short name for your printer.
21. If asked for a location and comment, type them in, and click NEXT. Print a test page to confirm it. (Firewall note -- in some cases, you may need to open/clear port 515 for the LPD daemon.)
22. Last, we move to the OSX print center. Open the print center, and click ADD PRINTER.
23. Choose LPR PRINTER USING IP. Type the IP address of the workstation that the printer is connected to.
24. Uncheck USE DEFAULT PRINT QUEUE and type the name we used in step 20.
25. Choose the Laserwriter Color 12_660 PS model from the list. Click ADD.

You are done. Try printing from a MAC application to test. Since you aren't really printing to a LaserWriter Color 12/660 PS, you won't be able to use all of the options that are presented to you in the Print dialog box on your Mac. Many of the options will simply have no effect.

Your print quality will largely be determined by the default settings you've given your real Windows printer. In my case I leave the default print quality on Draft, so everything I print from my Mac is in Draft mode. You may want a different behavior for your computer.