

This ApplicationNote has been given to LinTronic by a dedicated Mac-owner.

After some trial and error and much to my surprise, I have been able to get the Lintronic Setup program to work on my PowerBook G4 using Microsoft Virtual PC 7. I recently purchased Microsoft Office 2004 Professional Edition. It included Virtual PC 7 along with a working copy of Windows XP. I also purchased a Keyspan USB to Serial converter (model number USA-19HS).

1. Install Virtual PC according to the instructions provided with the CD. Then install Windows XP according to the instructions provided with the CD.
2. Turn off your Mac. Then plug in the Keyspan adapter and reboot. Next install the Keyspan software for Mac according to the instructions provided with the CD (Mac only).
3. Turn off your Mac. After rebooting, launch Windows XP in Virtual PC 7. BE VERY PATIENT AS WINDOWS IS AN EXTREMELY SLOW PROGRAM TO LAUNCH. You will notice a hard drive icon on the bottom left of the Windows XP application window. Wait until the light is no longer flickering before attempting to launch any programs in Windows XP. Windows XP should automatically detect the Keyspan adapter if the “plug and pray” feature works properly. If not, go to Step 4; otherwise, go to Step 5.
4. If “plug and pray” does not work, unplug the adapter directly from the computer at the USB connection and then re-insert and see if “plug and pray” automatically detects and installs the proper driver. If not, you will need to close Windows XP. Then close Virtual PC. Then reboot your Mac. Launch Windows XP in Virtual PC and install the driver according to the Keyspan installation CD.
5. After installing the proper driver for the Keyspan adapter, close all applications and turn off your computer. Turn the computer back on and launch Windows XP in Virtual PC. Then click on the USB icon at the bottom of the Windows XP application window. Click on USB settings. You will see a list of device settings for your computer. Select USB. Then de-select the “Enable USB” box. Next Select “COM1 Port”. From the COM1 Port Settings menu on the right, select “Mac serial port” and scroll the drop down window below to your Keyspan adapter. On my computer the choice was “USA19H1b1P1.1”. Then click “OK”.
6. Launch Microsoft Internet Explorer from within Windows XP and go to the Lintronic website to download the “Setup” application (and “Bootloader” if you intend to update the hardware EPROM). Install the applications in Windows XP. I accepted all recommendations during the installation procedure.
7. Close all programs. Turn off your computer. Reboot and launch Lintronic Setup in Windows XP in Virtual PC 7. Everything should work fine.

8. It is strongly advised that you not install other applications on this Virtual PC. Also, do not choose "FULL SCREEN MODE". Try to keep your activities in Windows XP to a minimum. As with PCs, Windows XP in Virtual PC is **VERY UNSTABLE** and will crash. If this happens you might have to re-install everything!

Good Luck