

Installing Linksys on Com 3 or 4

Each time a USB device is plugged into a USB port, Windows "rediscovers" the device. This can lead to having many different COM port assignments, and cause hardware compatibility issues. Resetting the COM database may resolve these issues. Below is a procedure that I and others have used successfully in the past.

After repeated installations of various USB-serial converters, the assigned com ports continue to increase with the operating system reserving a COM number for every USB device that was ever installed. Even though it is possible to reassign a com number in the Device Manager, some vestige of the old assignments remain and may be polled as part of COM interaction with the application and the operating system.

Theses instructions are for Windows XP. A similar procedure should work for Windows 2000 or Windows 98. **For any questions or issues contact Tom Houck @ t.houck@probe-tec.com**

If your Linksys or other Bluetooth adapter will not automatically install on Com port 3 or 4 use this guide to force Windows to install the adapter's serial port services on Com 3 or 4.

Note if you have other hardware or software that makes use of any com port that hardware or software will have to be reinstalled after completing these instructions. Be sure that hardware or software supports higher numbered serial or virtual com ports before proceeding. Also as with all systems changes please make a backup of your systems configuration before proceeding.

1. Check the Com Port Assignments

Open the Windows **Control Panel**.

Select **System**

Select the **Hardware** Tab

Select **Devices Manager**

Select **Ports (Com & LPT)**

If there is not Ports (Com & LPT) in the list then proceed

Make a note of any com port assignments

If Com 3 or 4 are assigned to any other hardware or software please be sure that item supports a different port assignment. Consult with the item's manufacturer. If there is a conflict please call Probe-TEC @ 765-252-0257 or t.houck@probe-tec.com for other instructions.

Close the Device Manager windows

2. Stop the Linksys Device

Right Click on the Bluetooth Icon in the Sys Tray

Select **Stop the Bluetooth Device**
Unplug the Linksys Bluetooth adapter if it is plugged in
Close any windows this step opened

3. Uninstall the Linksys Drivers

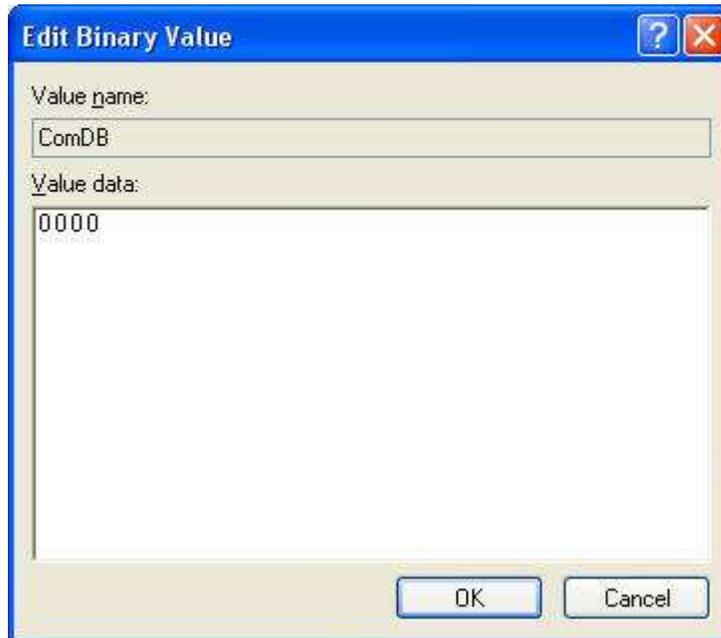
Open the Windows **Control Panel**
Select **Add or Remove Programs**
Select the **Linksys Bluetooth Utility**
Select **Remove**
If prompted to reboot the system select **Do it Later**
Close the Control Panel windows

4. Make a New Directory

Select **My Computer**
Select **C:**
Select the folder **Program Files**
If prompted that the files are Hidden Select Show the Contents of This Folder
Select **File / New / Folder**
Type **Probe-TEC**
Press **Enter**
Close the Windows Explorer window

5. Clean The Registry

Select **Start / Run**
Type **RegEdit** and then click **OK**
Navigate to the
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\COM Name
Arbiter key.
Highlight **COM Name Arbiter**.
Select **File / Export**.
Type **c:/program files/Probe-TEC/com backup** then press **Enter**
Note where you put it. In case of problems, you can restore exactly where you were with this branch by running RegEdit and clicking File / Import to import this file.
Right-click on the **ComDB** entry on the right side of the window
Select **Modify**.
On the Edit Binary Data window, highlight all the values and delete them (set them to 0) by hitting the delete key on the keyboard. **Do not delete the ComDB key, just clear the value data (set it to zero) and then click OK.**



Select **File / Exit** to exit the Registry Editor
Restart the computer

Reinstall the Linksys Software

Immediately after the computer reboots load the Linksys software disk into the computer and install according to the instructions

Reassign the Com Ports

After the Linksys Software is installed right click on the Bluetooth Icon in the Sys Tray

Select the **Advanced Configuration** Tab

Select the **Client Application** Tab

Select **Add COM Port**

After the system finishes, Select the **Com Port** setting in the drop down menu

Select **Apply**

Close all bluetooth windows

Setting the COM Port on the Device Side

Find **My Bluetooth Places** on the Desktop

Open **My Bluetooth Places**

Find the device name i.e Optowave XXX

Highlight the device name and right click select **Properties**



In the **COM Port** drop down list select the same COM Port number you selected above
Select **Apply**

Connecting with the New COM Port Setting

Right click on the **Bluetooth Icon** in the Windows Sys Tray

Select or highlight **Quick Connect** from the menu

Select or highlight **Bluetooth Serial Port** from the menu

Select the device name from the menu i.e. **Optowave XXX**

A dialog box should appear Connecting....

After a few seconds a second dialog box should appear Bluetooth Serial Port. Note the COM Port reported here is the COM port that the services have been established on. Set your software to use this COM port setting.

Click **OK**

Refer to the Optowave Instruction Book for information on completing the pairing to your Optowave probe. See “Pairing the Optowave with The PC”.

All of your native COM ports will be discovered automatically.

Any serial-USB converters will need to be reinstalled but they should start with the first COM number after your native COM ports

Any hardware or software that uses com ports can now be reinstalled.