3Com

# User Guide

## Bluetooth™ Wireless USB Device

**http://www.3com.cm/**
**http://www.3com.com/productreg**

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# 1 Introduction to Bluetooth Wireless Technology

## Overview

Bluetooth™ wireless technology allows you to make short-range wireless connections between Bluetooth devices such as cellular phones, personal digital assistants (PDA), and desktop and notebook computers. Because Bluetooth wireless technology uses radio transmission, voice and data are transmitted almost immediately. Bluetooth transmission ensures both protection from interference and secure data transfers.

You might use Bluetooth wireless technology in these ways:

- Dial up to the Internet on your notebook over your Bluetooth cellular phone.
- Send a fax from your notebook over your Bluetooth cellular phone.
- Synchronize your Bluetooth PDA with your notebook.
- Send your business card to anyone in a meeting who has a Bluetooth device.
- Send or receive files to or from anyone in a meeting who has a Bluetooth notebook or PDA.
- Chat with anyone in a meeting who has a Bluetooth notebook.
- Play a one-on-one serial game without a cable.
- Send an e-mail from your training session without being wired to the network.

## Bluetooth Wireless USB Device

The Bluetooth USB device uses an ISM band of radio frequencies to transmit data wirelessly.

## Optimized Antenna

The Bluetooth antenna provides powerful performance in all directions.

## Software and Firmware Upgrades

Current software and firmware upgrades are available on the 3Com Web site at:

www.support.3com.com

# 2 Installing Your Bluetooth USB Device and Connection Manager

## Bluetooth Installation CD

The *Bluetooth Installation CD* contains the following:

- Setup programs and drivers for Microsoft Windows 98 Second Edition (SE), Windows Millennium Edition (Windows Me), and Windows 2000
- Bluetooth Connection Manager
- XTNDConnect PC mobile synchronization and management software
- 3Com Mobile Connection Manager
- README.TXT file with updated information about your Bluetooth Wireless USB device
- This Bluetooth Wireless USB Device User Guide
- Adobe Acrobat Reader

## Installing Your External Bluetooth USB Device and Virtual COM Ports

If you are accessing this manual as part of the installation of your Bluetooth USB device, skip to step 3 below.

1. **With the computer on and Windows 98 SE, Me, or 2000 running, insert the *Bluetooth Installation CD* into the CD-ROM drive. The auto-start feature starts the installation. If auto-start is disabled on your computer, click *Start>Run* and type `d:\setup.exe` (where d: is your CD-ROM drive). The 3Com Wireless Installer menu appears.**
2. **Select *Step 1: Install Bluetooth Hardware* from the menu.**
3. **Attach the USB device to the USB port on your computer (see the first illustration below). Note that the connector end twists to fit either a horizontal or a vertical port. If you are connecting to the USB port on a desktop computer, use the cable (see the second illustration below) to correctly position the antenna for the best coverage. You are prompted to "Add new Hardware."**

   After attaching the USB device, if auto-start is enabled and nothing happens within five seconds, restart your computer and log in to Windows. The installation process will begin when the computer restarts.
4. **Respond to the prompts to add the new hardware.**

   You may be prompted for the location of drivers on the *Bluetooth Installation CD*. If so, use the following paths on your *Bluetooth Installation CD,* where D: is your CD-ROM drive:

   Windows 2000 — **`d:\drivers.W2K`**

   Windows 98 SE and Windows Me — **`d:\drivers.W98`**

   During the installation process, you may receive prompts for your Windows operating system installation CD. Insert the CD and indicate the correct path.
5. **Your computer will go through a brief installation process during which it will display several windows indicating what is currently installing. *This takes several minutes*.**
6. **Restart the computer whenever you are prompted.**
7. **From the *3Com Wireless Installer*, select Step 2: *Install Bluetooth Software*. This installs Bluetooth Connection Manager, which allows your wireless Bluetooth device to communicate with other Bluetooth devices.**

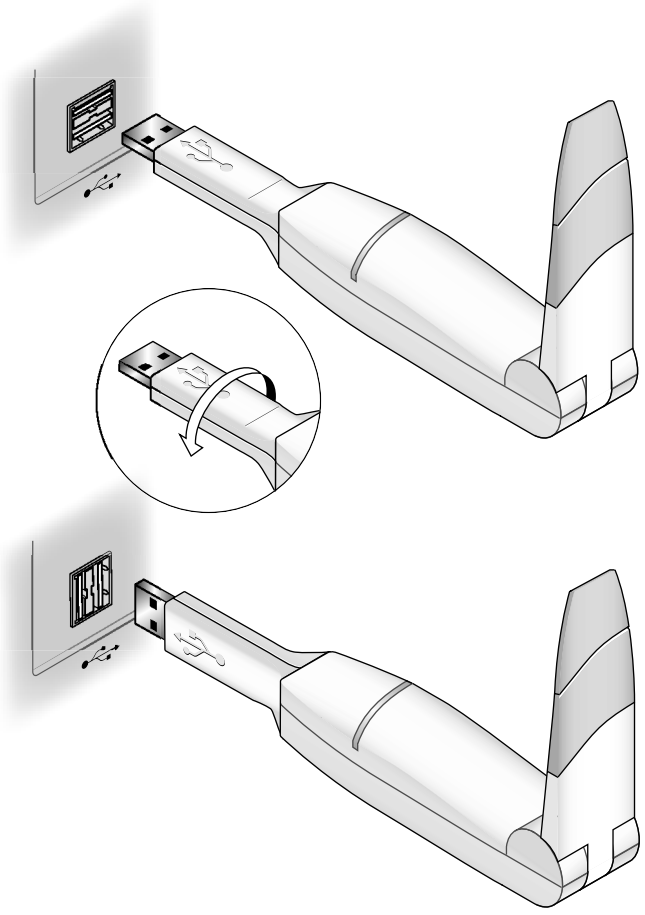
## 2 Installing Your Bluetooth USB Device and Connection Manager

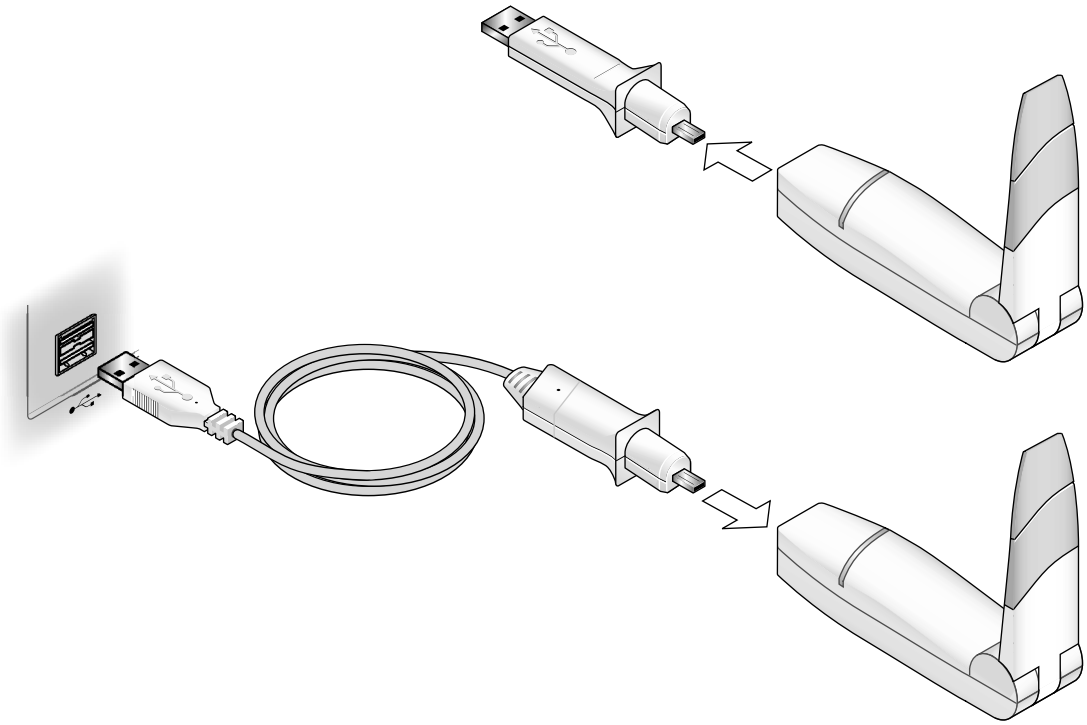
8 **Follow the prompts.**

During software installation, the business card creation window appears, giving you the opportunity to create your business card now or wait until later. We suggest that you create your business card now. If you elect not to create it now, check the Bluetooth Connection Manager Help for information about how to create your business card.

9 **Restart your computer whenever you are prompted.**

10 **To install other software programs such as 3Com Mobile Connection Manager or XTNDConnect PC mobile synchronization and management software, from the *3Com Wireless Installer* menu, select *Install Additional Software* and follow the prompts.**





## Using Bluetooth Connection Manager

Refer to Bluetooth Connection Manager Help for detailed information about how to use Connection Manager and troubleshoot your Bluetooth wireless product.

## Confirming Device Installation

1 **With your Bluetooth USB device attached to the computer, double-click the *My Computer* icon.**

2 **Double-click the *Control Panel* icon.**

3 **Double-click the *System* icon.**
The System Properties window appears, detailing your system setup.

4 **If you are using Windows 2000, click the *Hardware* tab.**

5 **Click *Device Manager*. A list of devices appears, arranged by type.**

6 **Double-click *Universal Serial Bus controllers*.**
One entry appears: 3Com Bluetooth USB device.

7 **Double-click the entry to see the device's current status. It should display "This device is working properly."**

8 **Click *Cancel* to return to System Properties.**

9 **While inside the Control Panel, if you are using Windows 98 SE or Windows Me, double-click *Modems*. If you are using Windows 2000, double-click *Ports*.**

Four entries appear: 3Com Bluetooth DUN Client, 3Com Bluetooth Fax Client, 3Com Bluetooth Serial Client, and 3Com Bluetooth Serial Host.

10 **Double-click each entry to display a description of its current status. The device status should indicate "This device is working properly."**

11 **Click *Cancel* to return to System Properties.**

12 **Close the Control Panel.**

## Reinstalling Drivers for Your Internal Bluetooth USB Device

Under normal circumstances, you will not need to reinstall drivers for your internal Bluetooth USB device; however, the need may arise if your hard drive is rebuilt or if your USB device is dropped from your devices list. To reinstall the drivers, follow these steps:

1 **Be sure the computer is on, Windows 98 SE, Me, or 2000 is running, and the USB device is attached.**

2 **Double-click the *Control Panel* icon.**

3 **Double-click the *System* icon.**

The System Properties window appears, detailing your system setup.

4 **If you are using Windows 2000, click the *Hardware* tab.**

5 **Click *Device Manager*. A list of devices appears, arranged by type.**

6 **Double-click *Universal Serial Bus controllers*.**

7 **Double-click *3Com Bluetooth USB device*.**

8 **Select *Driver*.**

9 **Select *Update Driver*.**

10 **Select *Next*.**

11 **If you are using Windows 98 SE or Windows Me, select *Search for a better driver than the one your device is using now*.**

If you are using Windows 2000, select *Search for a suitable driver for my device*.

12 **Insert the *Bluetooth Installation CD* into the CD-ROM drive.**

13 **When you are prompted, select *Specify a Location*.**

14 **Check the *Specify a Location* checkbox.**

If you are prompted for the drivers, enter the following path, where d:\ is the location of the CD-ROM drive where the *Bluetooth Installation CD* is inserted.

Windows 2000 — **`d:\drivers.W2K`**

Windows 98 SE and Me — **`d:\drivers.W98`**

15 **If you are using Windows 98 SE or Windows Me:**
   - Select *View List*.
   - Select a driver.
   - Select *Install one of the other drivers*.
   - Click *Next*.
   - Click *Finish*.

16 **While inside the Control Panel, if you are using Windows 98 SE or Windows Me, double-click *Modems*. If you are using Windows 2000, double-click *Ports*.**
   Four entries appear: 3Com Bluetooth DUN Client, 3Com Bluetooth Fax Client, 3Com Bluetooth Serial Client, and 3Com Bluetooth Serial Host.

17 **Double-click any entry.**

18 **Select the *Drivers* tab.**

19 **Click *Update Driver*.**

20 **Click *Next*.**

21 **If you are using Windows 2000, select *Search for a suitable driver for my device*.**
   If you are using Windows 98 SE or Windows Me, select *Search for a better driver than the one your device is using now*.

22 **Insert the *Bluetooth Installation CD* into the CD-ROM drive.**

23 **When prompted, select *Specify a Location*.**

24 **Check the *Specify a Location* checkbox and enter the path to the drivers.**
   The path to the drivers for Windows 2000 is d:\drivers.w2k; for Windows 98 SE and Windows Me, the path is d:\drivers.w98.

25 **If you are using Windows 98 SE or Windows Me follow these steps:**
   - Select *View List*.
   - Select a driver.
   - Select *Install one of the other drivers*.

26 **Click *Next*.**

27 **Click *Finish*.**

28 **Repeat steps 18 through 28 for each of the other three drivers.**

29 **Close the Control Panel.**

## Uninstalling Your Bluetooth USB Device and Virtual COM Ports

1. **With your Bluetooth USB device inserted in the computer, double-click the *My Computer* icon.**
2. **Double-click the *Control Panel* icon.**
3. **Double-click the *System* icon.**
   The System Properties window appears, detailing your system setup.
4. **If you are using Windows 2000, click the *Hardware* tab.**
5. **Click *Device Manager*.**
   A list of devices appears, arranged by type.
6. **Double-click *Universal Serial Bus controllers*.**
7. **If you are using Windows 2000, double-click *3Com Bluetooth USB device*, select the *Drivers* tab, click *Uninstall* and *OK*.**
   If you are using Windows 98 SE or Me, select *3Com Bluetooth USB device*. Click *Remove*, and then *Cancel*.
8. **While inside the Control Panel, in Windows 2000, double-click *Ports*. In Windows 98 SE and Me, double-click *Modems*.**
   Four entries appear: 3Com Bluetooth DUN Client, 3Com Bluetooth Fax Client, 3Com Bluetooth Serial Client, and 3Com Bluetooth Serial Host.
9. **If you are using Windows 2000, double-click one entry. Select the *Drivers* tab, click *Uninstall* and *OK*. Repeat this step for the other three entries.**
   If you are using Windows 98 SE or Me, select one entry. Click *Remove*. Repeat this step for the other three entries.
10. **Select *Cancel* to return to System Properties.**
11. **Close the Control Panel.**

## Uninstalling Bluetooth Connection Manager

Normally, you would not uninstall Bluetooth Connection Manager; however, in case a problem arises, you may want to uninstall and reinstall it.

In Windows 98 SE, Windows Me, and Windows 2000, you can uninstall Connection Manager any time following the installation. The uninstall removes desktop icons, registry entry files, and files used by the Bluetooth device. If any files exist in the Inbox, neither the files nor the Inbox is removed when Connection Manager is uninstalled.

1. **Click *Start>Settings>Control Panel*.**
2. **Click *Add/Remove Programs*.**
3. **Select *Bluetooth Connection Manager*.**
4. **Click *Change/Remove*.**
5. **Click *Remove*.**
6. **When the uninstall is complete, remove the Bluetooth device and restart your computer.**

## Technical Support

For support for your internal Bluetooth USB device, contact your notebook manufacturer.

For support for your external Bluetooth USB device or for Bluetooth Connection Manager, check the 3Com support Web site at:

www.support.3com.com

# Regulatory Information

**NOTE:** This product contains encryption. It is unlawful to export out of the U.S. without obtaining a U.S. Export License.

## FCC Part 15 Notice (Applicable to use within the USA)

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The user may find the following booklet prepared by the Federal Communications Commission helpful: *The Interference handbook*.

This booklet is available from the U.S. Government Printing Office,Washington, D.C. 20402. Stock No. 004-000-00345-4.

## Unintentional Radiator

**WARNING:** This equipment has been tested and found to comply with the limits for a Class B digital device as applicable, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## Manufacturer's Declaration of Conformity

3Com Corporation
3930 W. Parkway Blvd.
West Valley City, UT 84119
(800) 527-8677

Declares that the Product:

Date: 28 May 2001

Brand Name: 3Com Corporation

M/N: SL-1020, SL-1021

Equipment Type: Bluetooth Wireless device

| | |
|---|---|
| 3Com Corporation | SL-1020, SL-1021 |
| FC | Tested To Comply With FCC Standards |
| FOR HOME OR OFFICE USE | |

# Regulatory Information

## INTENTIONAL RADIATOR

**CAUTION:** FCC Radio-Frequency Exposure Notice

This device generates and radiate radio-frequency energy. In order to comply with FCC radio-frequency radiation exposure guidelines for an uncontrolled environment, this equipment has to be installed and operated while maintaiing a minimum body to antenna distance of 2.5 cm (1.0 inch).

This wireless product does not contain any user serviceable components. Any unauthorized product changes or modifications will invalidate 3Com's warranty and all applicable regulatory certifications and approvals.

## INDUSTRY CANADA NOTICE (APPLICABLE FOR USE WITHIN CANADA)

This device complies with Canadian RSS-210.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website www.hc-sc.gc.ca/rpb.

## AVIS DE CONFORMITÉ À LA RÉGLEMENTATION D'INDUSTRIE CANADA

Cet appareil est conform à la norme CNR-210 du Canada.

Pour empêcher que cet appareil cause du brouillage au service faisant l'objet d'une licence, cet appareil doit être utilisé à l'intérieur seulement et devrait êtra placé loin des fenêtres afin de fournir un écran de blindage maximal.

L'installateur du présent matériel radio doit s'assurer que l'antenne est située ou pointée de manière à ce que cette derniére n'émette pas de champs radioélectriques supérieurs aux limites spécifiées par Santé Canada pour le grand public; conduIter le Code de sécurité 6, disponible sur le site Web de Santé Canada, à l'adresse suivante: www.hc-sc.gc.ca/rpb.

## SAFETY

This equipment has been evaluated according to the following safety standards and is intended for use only in Information Technology Equipment which has been evaluated to these or other equivalent standards:

*UL Standard 60950 / CSA C22.2 No. 60950*

*IEC 60950*

## EUROPEAN COMMUNITY CE NOTICE

Marking by the symbol CE indicates compliance of this equipment to the R&TTE Directive 1999/5/EC. Such marking is indicative that this equipment meets or exceeds the following technical standards:

- ETS 300 328 — Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; data transmission equipment operating in the 2,4GHz ISM band and using spread spectrum modulation techniques
- ETS 300 826 — Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for 3,4 GHz wideband transmission systems and High PErformance Radio Local Area Network (HIPERLAN) equipment
  - -- EN 55022 (1998) — Limits and Methods of Measurement of Radio Interference Characteristics of Information Technology Equipment. (CISPR 22 Class B).
  - -- EN 55024 (1998) — Information technology equipment - Immunity characteristics - Limits and methods of measurement.
- ES 59005 — Considerations for the evaluation of human exposure to electromagnetic fields (EMFs) from mobile telecommunication equipment (MTE) in the frequency range 30 MHZ - 6 GHz
- EN 60950 — Safety of information technology equipment, including electrical business equipment

This device may be used throughout the European Community.

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