

Introduction

The 2.4GHz Bluetooth Wireless Trackball Keyboard and Bluetooth USB adapter can create a flexible, convenient and wireless working environment. The trackball keyboard with fancy design offers high frequency penetration, low interference, and omni-directional signal transmission. Employing reliable 2.4GHz Bluetooth wireless technology, the Bluetooth trackball keyboard can be positioned up to 10 meters away from the PC in any direction (or angle), even with objects placed between the keyboard and the adapter. For example, a Bluetooth-enabled printer in the radio range can receive documents from the computer wireless and print the documents. Bluetooth USB Adapter is a Bluetooth enabler, that enables your desktop or notebook computer to connect wirelessly to any other Bluetooth enabled computers and devices. It allows a working range of up to 10 meters (33 feet) with a 723 Kbps data rate transmission, and complies with Bluetooth 1.1 and USB 1.1 specifications. Bluetooth USB Adapter is an ideal solution for home and mobile networking needs. It is easy to install and use for wireless connectivity to such as cellular phones, PDAs, printers, computers, keyboards, mice etc.

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Bluetooth

Bluetooth is a low-power wireless networking standard, which uses short radio links to allow electronic devices to communicate with other without using cables.

The following services are supported by Bluetooth technology :

- Synchronize your Bluetooth PDA with your computer.
- Send your business card to anyone who has a Bluetooth enabled device.
- Send or receive files to or from anyone who has a Bluetooth enabled device.
- Send an e-mail without being wired to the network.
- Dial up to internet on your computer over your Bluetooth cellular phone.
- Send a fax from your computer over your Bluetooth cellular Phone.
- Chat with anyone who has a Bluetooth enable computer
- Play a one-on-one serial game without a cable.

Most Bluetooth enabled devices may act as:

- A Bluetooth host - can provide one or more services such as access to the internet or to other Bluetooth devices.
- A Bluetooth client - can use the service provided by Bluetooth servers.
- Bluetooth devices can act as both host and client, and do both at the same time.

Bluetooth Trackball Keyboard

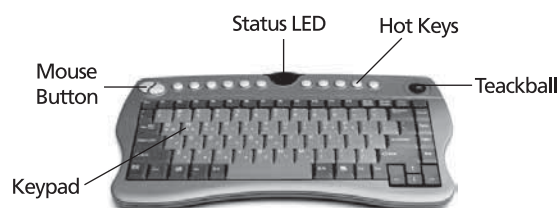


Figure 1

System Requirements

- CPU : Intel Pentium III 500MHz or above.
- System Memory : 256MB or more.
- Hard disk space : at least 50MB.
- OS : Windows 98SE/Me/2000/XP
- MAC OS 10.2 or later
- A free USB port, USB 1.1 compliant.
- CD-ROM Drive.

Package Contents:

- Bluetooth Trackball Keyboard
- Bluetooth USB Adapter (Option)
- Bluetooth Installation S/W CD
- User's Guide
- 3pcs. 1.5V AA Batteries

Bluetooth Installation CD contains:

- Widcomm v1.4.2.10 driver for USB Adapter
- BTW User's Guide

Software Installation

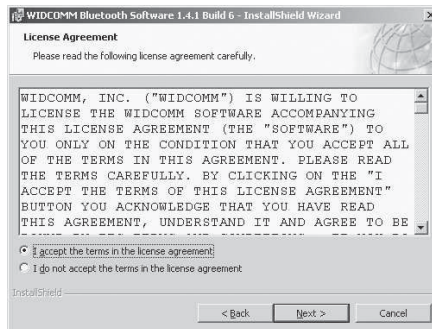
If your PC already has Bluetooth function : then continue with page 16, "Pairing / Connect the Keyboard"

Note : Do not plug your Bluetooth USB Adapter into USB port until you have completed the software installation as the following :

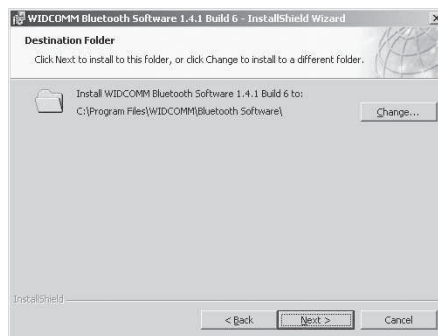
1. Insert the driver CD into a CD-ROM drive. The setup program will start automatically.
2. In case the drive doesn't support auto-run function, please find "setup.exe" file at the root of drive CD. Double click it to start installation process. (Note : the following pictures will be a little bit different if you are installing on Windows XP)



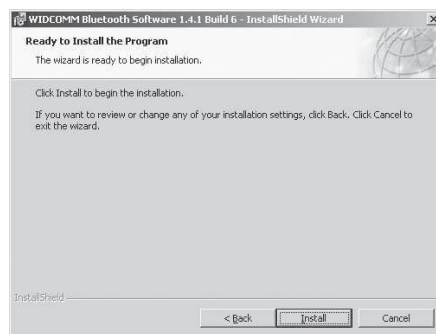
3. The license Agreement will appear. Please read and agree with the agreement by checking "I accept the terms in the license agreement" and click "Next".



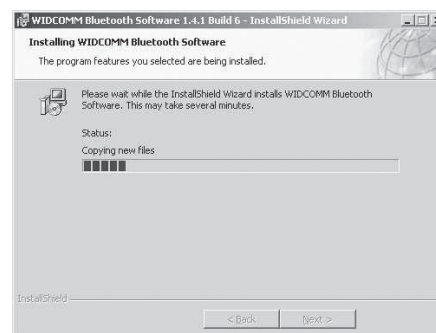
4. Click "Next" to Install the default directory, or click "Change" to install in a different directory.



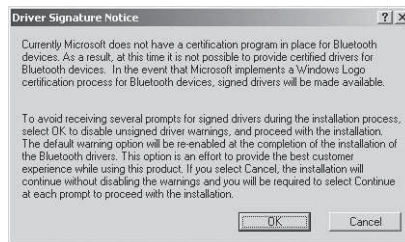
5. Click "Install" to start the installation.



6. The installation process may take a few minutes.



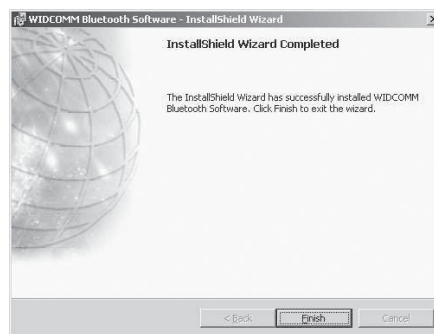
7. A notice of Driver Signature from Windows system may appear. Please Click "OK" to continue the installation.



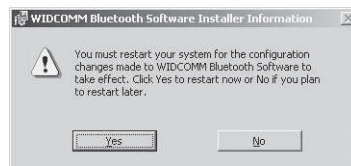
8. Installation program will ask you to plug in Bluetooth Adapter. Please click "Cancel" to skip it.



9. Once the installation has completed, click "Finish".



10. You will be asked to restart system. Click "yes" to restart.



11. You will see a shortcut on Windows desk and a Bluetooth Logo icon on the task bar after system re-started.



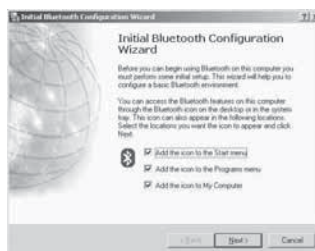
Hardware Installation

Install USB Adapter

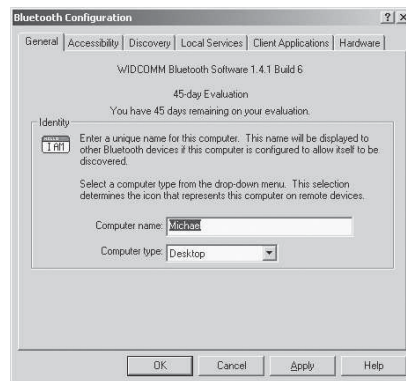
1. Make sure you have completed the software installation before you install USB Adapter.
2. Plug the USB Adapter into a free USB port of PC. The blue LED of the Adapter will flash. System will detect the Adapter and start to install driver automatically. The Bluetooth logo on task bar will change color from red to white.



3. To enable the USB Adapter by double clicking the short cut on the desk or the icon on the task bar.
System will initiate a Bluetooth configuration wizard. Follow the on screen procedures to complete configuration setup. Click "next" .



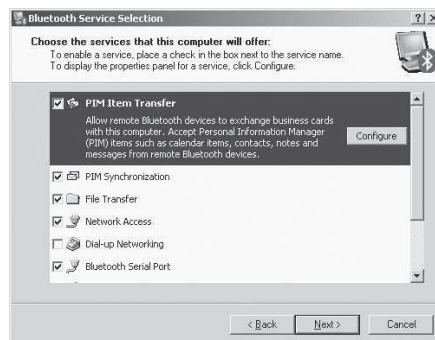
4. Give a name of your computer and select type of your computer .



5. Click "Next".



6. Choose the services that your computer will offer. Uncheck the items you don't want to offer. Click "Next".



7. Click "Skip" to skip adding other Bluetooth devices on this step.



8. Now, Your USB Adapter is enabled and ready to use. Click "Finish" to complete the setup process.



CONGRATULATIONS!

Now your computer is Bluetooth Enabled.

Pairing and Connect the Keyboard

1. Install the Batteries.

Install three AA batteries in the keyboard.

Make sure they are inserted in the correct direction (Figure 2)



Figure 2

2. Power on the Keyboard.

Press the keyboard power/reset button , which is found on the upper-right corner of the keyboard, to power on the keyboard. The blue status LED on the keyboard should flash a few times. If not, check the batteries; then press the power/reset button again to power on the keyboard.

3. Start the Bluetooth Application

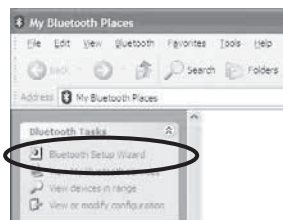
With your mouse, Click Start>All Programs>My Bluetooth Places to launch the My Bluetooth Places application window.

IMPORTANT:

If you are setting up a PC with an external Bluetooth USB adapter installed and this is the first time you have set up a Bluetooth device, you will be prompted to install some services. Follow the steps in the wizard to install these services; then continue with Step 5.

4. Open the Bluetooth Setup Wizard

Under Bluetooth Tasks, click the Bluetooth Setup Wizard. The "Welcome to the Bluetooth Setup Wizard" window appears. Before starting to use the Wizard, put your keyboard in discoverable mode, described in step 5.



5. Put the Keyboard in Discoverable Mode

The following steps initiate a low-frequency signal that is detected by the Bluetooth USB adapter.

See Figure 3 for the locations of the keys.

- (1) Press the Power/Reset button.
- (2) Press the Fn+R keys. This resets the keyboard.
- (3) Press the Power/Reset button again. The blue status LED will flash at 1 second intervals.



Figure 3

6. Search for Bluetooth Devices

On the Bluetooth setup window, Click "I want to find a specific Bluetooth device and configure how this computer will use its services," the second option.

Tap Next. The Bluetooth Device Selection window appears and the PC searches for Bluetooth devices within range.



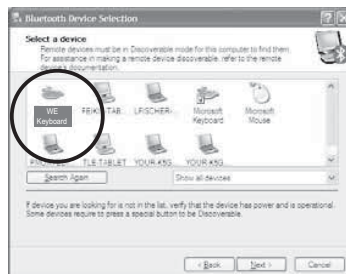
7. Search the Bluetooth Device

When the WE Keyboard icon appears in the Bluetooth Device Selection window, click this icon ; then click Next.

The Bluetooth Security Setup window appears.

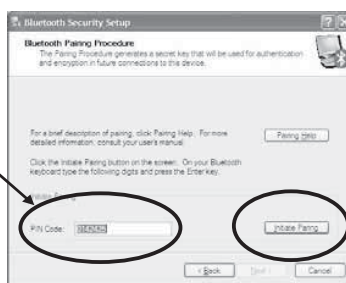
NOTES:

- The PC may discover other Bluetooth devices and display them in the device selection window, as shown in this example. (Your devices may differ from those in this example.)
- If the keyboard is not found in a minute or so, tap "Cancel Search." Then reset the keyboard by repeating step 5 and click the "Search Again" button.



8. Start the Pairing Process

- (1) From the Bluetooth Security Setup window, click the Initiate Pairing button. (Some fields gray out and the cursor changes to an hourglass, indicating that Bluetooth is ready to accept a PIN code and pair the devices.)



- (2) From your Bluetooth keyboard, immediately type the seven-digit number shown in the PIN-Code field.
- (3) Press the Enter key on the Bluetooth keyboard to initiate pairing. (It may take a minute or two for the devices to pair. Please wait.) When the Bluetooth Service Selection window appears, pairing is complete.

NOTE:

A message may appear that the PIN Code entry has timed out. Click the Back button and repeat Steps 5, (skip Step 6), 7 and 8. A new PIN code is generated each time you restart the pairing process.

9. Bluetooth Service Selection

- (1) From the Bluetooth Service Selection window, verify that "Human Interface Device Service" is checked.
- (2) Click "Finish" to complete the installation.

Microsoft® Windows® now installs services for your keyboard. This may take a few seconds. Please wait until this process is complete before installing any other Bluetooth devices.

10. Take Your keyboard for a Spin

You can now begin using your Bluetooth trackball keyboard.

Troubleshooting and Verifying the Device Connection

- (1) To verify the status of your Bluetooth device connection, open the Bluetooth application (Step3).
- (2) Under Bluetooth Tasks, click "View devices in range." You will see all the Bluetooth devices within the range of your PC.

Bluetooth Device Symbols



WE Keyboard
Keyboard

No symbol; the device is detected by the PC, but is not paired nor connected



WE Keyboard
Keyboard

Red checkmark; the device is paired but not connected to the PC



WE Keyboard
Keyboard

Green arrows; the device is connected with the PC

Changing keyboard Status

To change the status of your Bluetooth device, open the Bluetooth Wizard (Step 4) and repeat Steps 4-9. Or, right click on the Bluetooth keyboard in the Bluetooth Device Selection window to activate a shortcut menu from which you can pair/unpair or connect/disconnect a device, view properties, and more.

Caring for Your Keyboard Trackball

To keep the trackball on your Bluetooth keyboard performing smoothly, you should clean it on a regular basis or as needed:

Weekly :

Wipe the trackball with an alcohol wipe or the cleaning cloth. Rotate the trackball 360 degree as you clean it.

Monthly :

- (1) Remove the trackball cover by turning the cover about 1/8-turn counterclockwise.
- (2) Holding your hand over the trackball, turn the keyboard upside down. The cover and trackball should drop out of the keyboard.
- (3) Wipe the trackball slot, rollers, bearings, other trackball slot components, and the trackball with an alcohol wipe or the cleaning cloth.
- (4) Replace the trackball in the slot.
- (5) Replace the trackball cover: turn it 1/8-turn clockwise to lock it in place.

Waking the Keyboard

- (1) The trackball falls asleep after 15 minutes : the keyboard falls asleep after 30 minutes. To restart either, press the power button. The keyboard is active when the blue status LED begins blinking.
- (2) When you log onto your PC, a short delay will occur while the keyboard wakes up. Then you can begin using the keyboard.

Identifying the Keyboard Function Buttons



1. Left and right mouse button
2. Windows Media Player
3. Pause / Play
4. Stop / Eject
5. Mute speakers
6. Speaker volume down
7. Speaker volume up
8. Blue status LED
9. Full-screen mode in default Media Player
10. Web browser
11. Sleep
12. Email
13. Keyboard power / reset button
14. Trackball

Bluetooth Trackball Keyboard has 11 multimedia hot keys. To use the hot keys, Please set your multimedia S/W player's shortcut key "Ctrl + Alt + M"



Numeric Keypad

To input using numeric keypad, Please press "Num Lock" key on the right / upper corner. Numeric keys are marked as blue color in the keypad.

Scroll Wheel

You can use also a wheel of the mouse. Move the trackball while pressing the "F2" or "Fn" button. "Fn" button is located in the left-lower corner.



Figure 4

The following is general safety and regulatory information.



HEALTH WARNING: Keyboard use or use of a pointing device may be linked to serious injuries or disorders. For further information, visit the Mayo Clinic website at www.mayoclinic.org

You can help prevent the occasional discomfort in your hands, arms, shoulders, neck, and other parts of your body by taking frequent breaks to stretch and change your working position. If these symptoms persist or continue to occur and include pain, throbbing, aching, tingling, numbness, burning sensations, or stiffness, DO NOT IGNORE THESE WARNING SIGNS. PROMPTLY SEE A QUALIFIED HEALTH PROFESSIONAL.

Important Battery Information

- * Keep batteries out of reach of children.
- * Do not mix old and new batteries or batteries of different types (such as carbon and alkaline batteries).
- * Always remove old, weak, or worn-out batteries promptly and recycle or dispose of them properly.
- * If a battery leaks, remove all batteries and dispose of them properly. Before replacing the batteries, clean the battery compartment in accordance with the battery manufacturer's recommendations. If battery fluid contacts your skin or clothes, immediately flush them with water.



BATTERY WARNINGS: Battery electrolytes are corrosive, CAN CAUSE DAMAGE TO THE EYES AND SKIN, AND MAY BE TOXIC IF SWALLOWED.

Avoid the following actions that can cause the sudden release of battery electrolytes:

- * Do not open, puncture, or mutilate the batteries.
- * Do not heat the batteries.
- * Do not burn the batteries in a fire to dispose of them.

FCC Declaration of Conformity for RF Exposure

This product has been tested to comply with FCC RF Exposure limits set forth for an uncontrolled environment under 47 CFR 2.1093 paragraph (d)(2) addressing RF Exposure from radio frequency devices.

The radiated output power is far below the FCC Radio frequency exposure limits. Nevertheless, this device should be used in such a manner that the potential for human contact during normal operation is minimized.

FCC Declaration of Conformity

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THIS PRODUCT COMES WITH A LIMITED WARRANTY: For warranty information, go to www.wirelesseng.net

Product Support: For Technical Support or for help not available in this guide, go to www.wirelesseng.net

Warranty Information

Wireless Engineering Inc. (WE Inc.) currently provides a 1-year limited warranty as standard offering on the Bluetooth Trackball Keyboard.

Limited Warranty

General

This Limited Warranty applies to the Wireless Engineering-branded hardware products sold by or leased from Wireless Engineering Inc., its worldwide subsidiaries, affiliates, authorized resellers, or country distributors (collectively referred to in this Limited Warranty as "WE Inc.") with this Limited Warranty (WE Inc. Product).

These terms and conditions constitute the complete and exclusive warranty agreement between you and WE Inc. regarding the WE Inc. Product you have purchased or leased. These terms and conditions supersede any prior agreements or representations, including representations made in WE Inc. sales literature or advice given to you by WE Inc. or an agent or employee of WE Inc. that may have been made in connection with your purchase or lease of the WE Inc. branded product. No change to the conditions of this Limited Warranty is valid unless it is made in writing and signed by an authorized representative of WE Inc.

Warranty Disclaimer EXCEPT AS EXPRESSLY SET FORTH IN THIS LIMITED WARRANTY, WE Inc. MAKES NO OTHER REPRESENTATIONS, WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED REPRESENTATIONS, WARRANTIES OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, AND NON-INTERFERENCE. WE Inc. DOES NOT WARRANT THAT YOUR USE OF THE WE Inc. PRODUCT WILL BE UNINTERRUPTED OR ERROR-FREE. ANY IMPLIED WARRANTIES THAT MAY BE IMPOSED BY LAW ARE LIMITED IN DURATION TO THE LIMITED WARRANTY PERIOD. SOME STATES OR COUNTRIES DO NOT ALLOW A LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR CONSUMER PRODUCTS. IN SUCH STATES OR COUNTRIES, SOME EXCLUSIONS OR LIMITATIONS OF THIS LIMITED WARRANTY MAY NOT APPLY TO YOU.

Warranty Period

The warranty period for this WE Inc. Product is one (1) year from the date of product purchase. The Limited Warranty Period starts on the date of purchase or lease from WE Inc. Your dated sales or delivery receipt, showing the date of purchase or lease of the product, is your proof of the purchase or lease date. You may be required to provide proof of purchase or lease as a condition of receiving warranty service.

Warranty Coverage

WE Inc. warrants that the WE Inc. Product and all the internal components of the product that you have purchased or leased from WE Inc. are free from defects in materials or workmanship under normal use during the Limited Warranty Period. You are entitled to warranty service according to the terms and conditions of this document if a repair to your WE Inc. Product is required within the Limited Warranty Period. This Limited Warranty extends only to the original purchaser or lessee of this WE Inc. Product and is not transferable to anyone who obtains ownership or use of the WE Inc. Product from the original purchaser or lessee.

Repair or Replacement

WE Inc. products are manufactured using new materials or new and used materials equivalent to new in performance and reliability. Spare parts may be new or equivalent to new. Spare parts are warranted to be free from defects in material or workmanship for thirty (30) days or for the remainder of the Limited Warranty Period of the WE Inc. Product in which they are installed, whichever is longer. During the Limited Warranty Period, WE Inc. will repair or replace the defective component parts of the WE Inc. product. All component parts or hardware products removed under this Limited Warranty become the property of WE Inc. The replacement part or product takes on either the Limited Warranty status of the removed part or product or the thirty (30) day limited warranty of the spare part. In the unlikely event that your WE Inc. Product has a recurring failure, WE Inc., at its discretion, may elect to provide you with a replacement unit of WE Inc.'s choosing that is at least equivalent to your WE Inc. Product in hardware performance. WE Inc. reserves the right to elect, at its sole discretion, to give you a refund of your purchase price or lease payments (less interest) instead of a replacement. THIS IS YOUR EXCLUSIVE REMEDY FOR DEFECTIVE PRODUCTS.

Warranty Exclusions

This Limited Warranty does not extend to:

- (a) Expendable parts;
- (b) Any product from which the serial number has been removed;
- (c) Damage or non-functionality that results from (i) failure to follow the instructions that came with the WE Inc. Product; (ii) accident, misuse, abuse, or other external causes; (iii) operation outside the usage parameters stated in the then current user documentation for the product; or (iv) use of parts not manufactured or sold by WE Inc.; or
- (d) Damage or non-functionality due to modifications or service by anyone other than (i) WE Inc., (ii) a WE Inc. authorized service provider; or (iii) your own installation of end-user replaceable WE Inc. or WE Inc.-approved parts.

FCC COMPLIANCE STATEMENT

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.

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

CAUTION:

- 1) Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- 2) This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

This device has been designed to operate with an antenna having a maximum gain of 6dBi. Antenna having a higher gain is strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.