1.6.1

Bluetooth™

USB Adapter

Installation Guide

Index

Introduction

Bluetooth is an open specification for a cutting-edge technology that enables short-range wireless connections between desktop and laptop computers, personal digital assistants, cellular phones, printers, scanners, digital cameras and even home appliances — on a globally available band (2.4GHz) for worldwide compatibility. In a nutshell, Bluetooth unplugs your digital peripherals and makes cable clutter a thing of the past. Now you can connect your PDA or PC to Bluetooth™ enabled mobile phone with this Bluetooth™ adapter.

You can access e-mail & Internet no matter where you are with just a little help from your Bluetooth™ mobile phone.

Plus, when you are back in the office, you can hook yourself up to your office network as well as communicate with other Bluetooth™-enabled devices.

Chapter1

Package

- One Bluetooth adapter
- Companion CD(including driver, software, and Installation guide)

Features

- Bluetooth v1.1, 1.2, 2.0+EDR compliant
- USB Bluetooth adapter support full speed USB v1.1 Interface.
- Wireless communication within a radius of 32 Feet (10 Meters) for Class 2 Bluetooth devices.
- Wireless communication within a radius of 328 Feet (100 Meters) for Class 1 Bluetooth devices.
- Connect up to 7 different Bluetooth enabled devices
- Encryption and authentication to ensure safe, secure communications
- Low power consumption

Specifications

- **Hardware:**

  Main chip: CSR BlueCore 03 or 04

  Protocol: Bluetooth 2.4 GHz ISM band frequency hopping

  Data Rate: 721 Kbps or 2~3Mbps

  Connect up to 7 devices in a **Piconet**

  Antenna: Integrated inside the adapter

  For Class 2 Bluetooth radio (2.23dBm):

  Connection within a range of up to 32 feet (10 meters)

  For Class1 Bluetooth radio:

Connection within a range of up to 328 feet (100 meters)

Sensitivity: -80dbm at 0.1% Bit Error Rate (BER)

Security: encrypted link, authentication

- **Software:**

Bluetooth profile support includes:

A/V Remote Control Profile **(AVRCP)**

Adv. Audio Dist. Profile **(A2DP)**

Generic Access Profile **(GAP)**

Serial Port Profile **(SPP)**

Service Discovery Application Profile **(SDAP)**

Generic Object Exchange Profile **(GOEP)**

Object Push Profile **(OPP)**

File Transfer Profile **(FTP)**

Dial-up Network Profile **(DUN)**

LAN Access Profile **(LAP)**

Fax Profile **(FAX)**

Synchronization Profile

Headset Profile

Personal Area Network **(PAN)**

Human Interface Device **(HID)**

Hardcopy Cable Replacement Profile **(HCRP)**

Mechanics

46 x 18 x 10 mm (L x W x H) (for Class 2)

46 x 18 x 10 mm (L x W x H) (for Class 1)

Certification

FCC, CE, BQB

Environmental Operating Ranges

Temperature: 0 ~ 50%
Humidity: 10 ~ 90%

Power Consumption

Typical: 40mA/5V
Maximum: 90mA/5V

Drivers support

Windows 98SE, ME, 2000, XP, MAC O.S. 10.2.x

Chapter2

Setup for Windows 98SE/ME/2000/XP

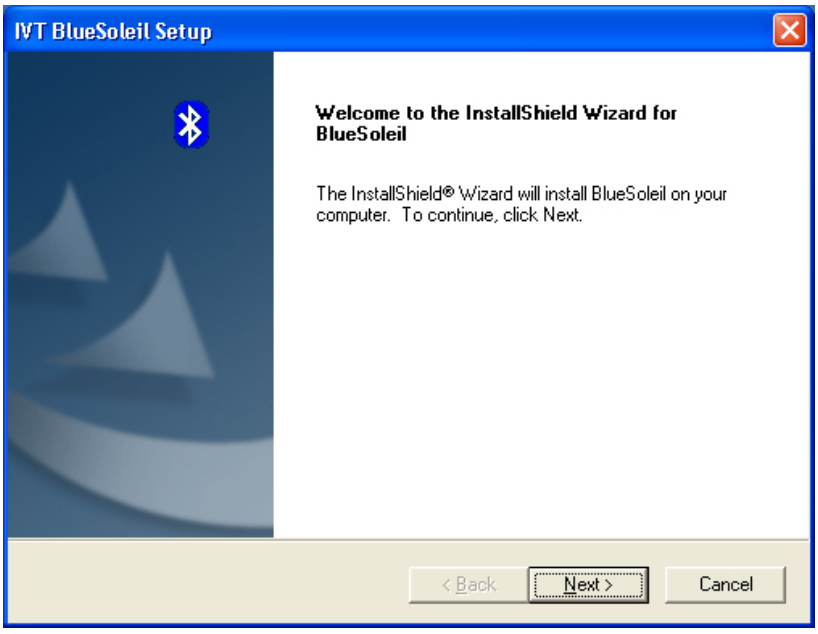
Installing Bluetooth software for Windows

1. Place installation CD into PC and the setup menu should launch automatically.

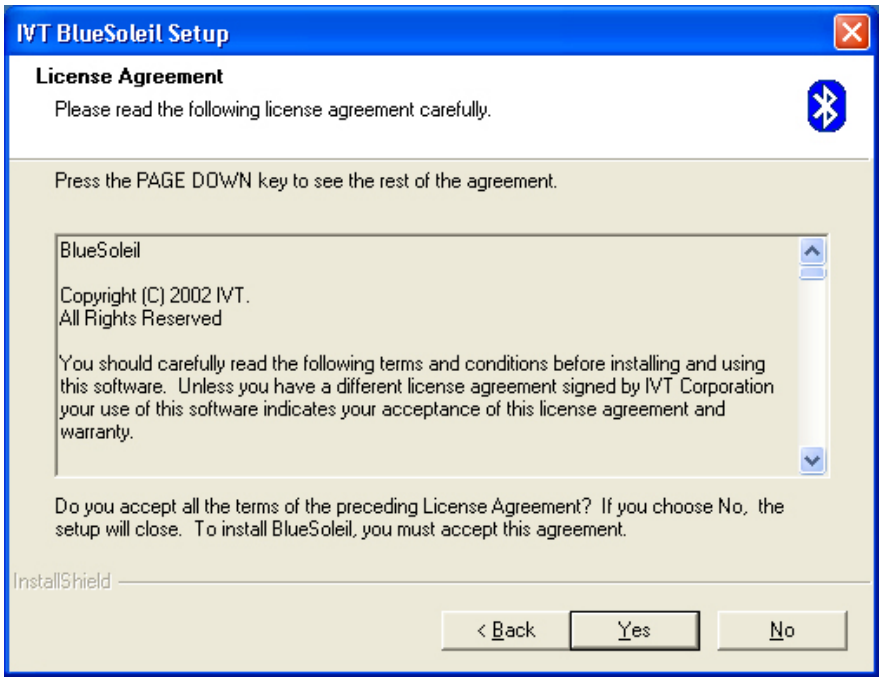
If the setup menu does not launch automatically, use Windows Explorer to navigate to the appropriate CD-ROM drive and run **"Setup"**. Language screen will pop-up for selection.

2. Complete the following steps to install Bluetooth software:

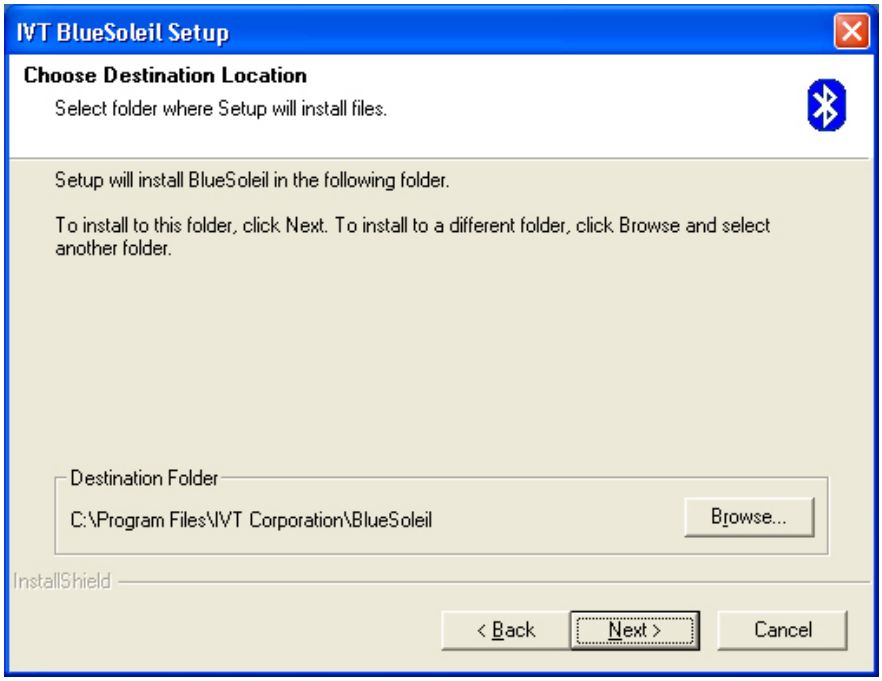
   On the *Welcome* screen, click the "**Next**"**button**.



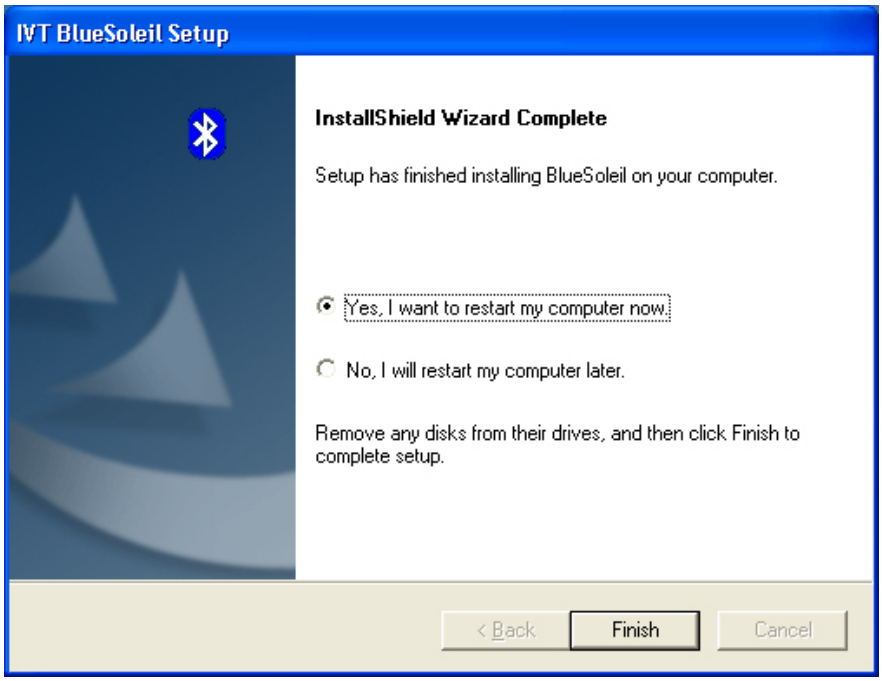
When the *License Agreement* screen is displayed, read the License Agreement, and then clicks the “Yes“button.



a. You can choose the destination folder in your system, if you do not want to change the destination folder please click “**Next**“. On the *Destination Folder* screen, click the “**Browse”** button to browse to a new destination folder for the Bluetooth software. Otherwise, click the “**Next**“**button** to accept the default folder.



b. When the installation is completed, please select “Yes, I want to restart my computer now.”, then click the "**Finish**" button.



c. After the computer restarts, you have to plug the USB Bluetooth adapter in your USB port. Driver will be installed automatically. If system fails to find the driver, you can browse the path “C:\Program Files\IVT Corporation\BlueSoleil\driver\USB\”.

If you have any questions, please refer to “Hardware User Guide”.

Setup for Mac

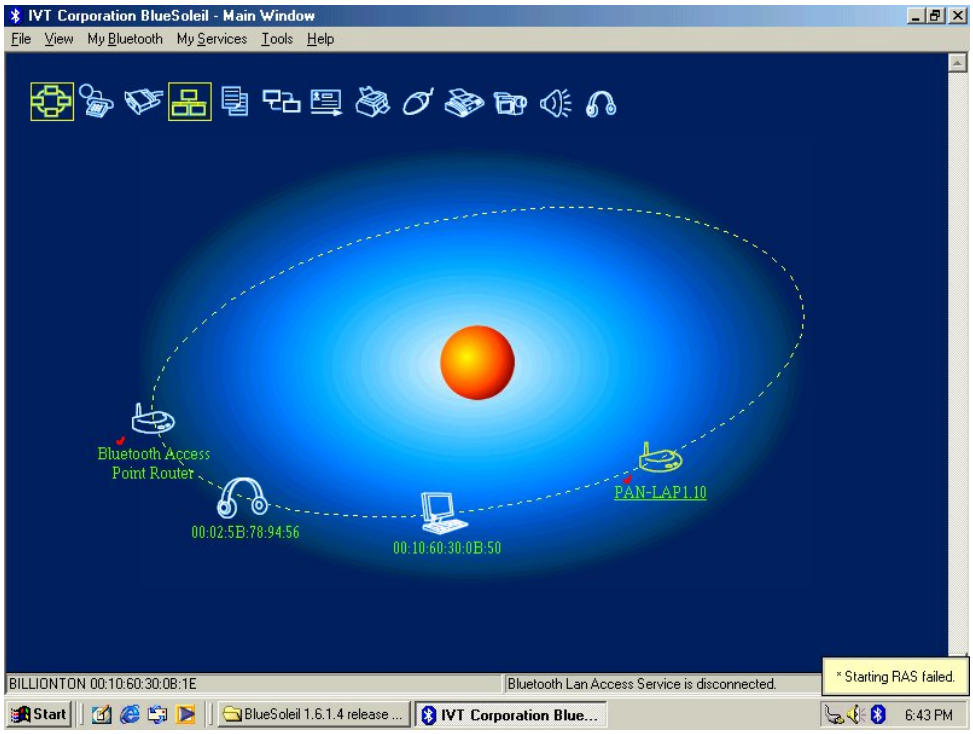
Mac O.S.X 10.2

Mac O.S. 10.2.x has build-in Bluetooth software for USB Bluetooth adapters; therefore no additional Bluetooth software is required. Simply plug in the USB Bluetooth adapter and a Bluetooth icon will appear in the System folder. Open the Bluetooth applet to configure the Bluetooth functions on your Mac system.

Know Bug

Window 98/ME

When the user select the Bluetooth Access Point (PAN-LAP 1.10) icon under Window 98/ME system, an error message"*Starting RAS failed" will appear (see figure below). The LAP function may not be functional either. This problem will be fixed in the next release.



FCC statement in User's Manual (for class B)

"Federal Communications Commission (FCC) Statement

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. 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.

FCC Caution:

1.The 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.

2.This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

3. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

In addition to the requirements of Section 7.1.5 in RSS-Gen, the device's shall also contain the following or equivalent statement: “Privacy of communications may not be ensured when using this telephone”.

If privacy is provided as a standard feature, the privacy notice may be omitted provided that full justification accompanies the equipment certification application for evaluation by Industry Canada.

Europe-EU Declaration of Conformity and Restrictions CE 0984

Hereby, Tecom Co., Ltd., declares that this equipment complies with the essential requirements and other relevant provisions of Directive 1999/5/EC.

This equipment is marked with the symbol and can be used throughout the European community.

This indicates compliance with the R&TTE Directive 1999/5/EC and meets the relevant parts of following technical specifications:

EN 300 328 v1.6.1 - 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; Harmonized EN covering essential requirements under article 3.2 of the R&TTE directive.

EN 301 489-17 v1.2.1 - Electromagnetic Compatibility and Radio Spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 17 Specific Conditions for Wideband Data and HIPERLAN Equipment.

EN 60950-1: 2001 - Safety of Information Technology Equipment.

EN 50371: 2002 - Generic standard to demonstrate the compliance of low power electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields
(10 MHz-300GHz) - General public