BlueSoleil™ 5.0 User Manual

Content

1 Introduction to BlueSoleil™

BlueSoleil is a Windows-based software from IVT that allows your Bluetooth® enabled desktop or notebook computer to wirelessly connect to other Bluetooth enabled devices. BlueSoleil allows MS Windows users to wirelessly access a wide variety of Bluetooth enabled digital devices.

System requirements of BlueSoleil: At lease 500MB of free disk space.

Platforms supported by BlueSoleil: Windows XP and Vista.

1.1 Bluetooth Functions

In order to connect and share services via Bluetooth wireless technology, two devices must support the same Bluetooth Profile(s) as well as opposite device roles (i.e., one must be the server, and the other must be the client). Bluetooth enabled devices often support multiple profiles, and if involved in multiple connections, can perform different device roles simultaneously.

BlueSoleil supports the following Bluetooth functions (Profiles) in the following device roles:

Bluetooth Functions (Profiles)	Client	Server
Bluetooth Advanced Audio	√	√
Bluetooth Dial-Up Networking	√	
Bluetooth Fax	√	
Bluetooth File Transfer	√	√
Bluetooth Headset and Microphone		√
Bluetooth Human Interface Device	√	
Bluetooth Object Push	√	√
Bluetooth Personal Area Networking	√	√
Bluetooth Printer	√	
Bluetooth Serial Port	√	√

1.2 Bluetooth Places

Bluetooth Places, is the Bluetooth view window of BlueSoleil. All Bluetooth devices are shown here. You can right-click the Bluetooth icon in the notification area, and select **Explore Bluetooth Places** in the popup menu to go to Bluetooth Places.

In Bluetooth Places, you can search for Bluetooth devices, view Bluetooth devices services, connect to Bluetooth devices, and change BlueSoleil settings.

Operations:

- To search Bluetooth devices, double-click the **Search Devices** icon.
- To search a Bluetooth device's services, double-click the Bluetooth device's icon.
- To connect with a Bluetooth device service, double-click that Bluetooth device's service icon.

1.3 Classic View

BlueSoleil Classic View is the graphical Bluetooth view window of BlueSoleil. You can right click the Bluetooth icon in the system tray and select **Display Classic View** in the popup menu to go to Classic View.

In Classic View, you can search for Bluetooth devices, view Bluetooth devices' services, connect to Bluetooth devices and change BlueSoleil settings.

Operations:

- To search for Bluetooth devices, double-click the **My Device** icon.
- To search for a Bluetooth device's services, double-click the Bluetooth device's icon.
- To connect to a Bluetooth device's service, click that device to select the device, and then double-click the device's service icon.

2   Claim

The manufacturer may, at any time and without notice, make changes or improvements to the products offered, and will provide necessary additions to this manual or release a new version of this manual.

The contents contained in this user manual are provided "as is", except as required by applicable law, no warranties of any kind, either express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, are made in relation to the accuracy, reliability, or contents of this guide.

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3   Quick Guide

3.1   Install BlueSoleil

IMPORTANT! If you have any Bluetooth software previously installed on your computer, you must completely remove it first!

1. Insert the BlueSoleil software installation CD into the CD- ROM of your computer.

2. Double-click setup.exe to start installation.

3. Choose the setup language.

4. Follow the directions on your screen to install the software.

5. Restart your computer.

Note: Bluetooth adapter can be remained plugged or unplugged when installation.

3.2   Uninstall BlueSoleil

Click **Start** -> **Control Panel** to open Control Panel, and then choose **Uninstall a program**. Select BlueSoleil in the program list and uninstall it.

3.3   Start BlueSoleil

Right click the Bluetooth icon in the system tray and select **Explore Bluetooth Places** or **Display Classic View** in the popup menu

Note: BlueSoleil will detect each insertion or removal of the USB adapter. Alternatively, you can start BlueSoleil before plugging in the USB adapter.

3.4   Check License

BlueSoleil checks the license in the Bluetooth adapter/module when it starts up. If the Bluetooth adapter/module has no license, BlueSoleil will turn off the Bluetooth function.

4   Getting Started

4.1   Start and Stop Bluetooth

BlueSoleil supports different Bluetooth Adapters and built-in Bluetooth modules on your computer.

Start Bluetooth

1. Plug the Bluetooth Adapter into one of your computer's USB ports.

2. Turn on the Bluetooth function if you are using the built-in Bluetooth modules.

3. BlueSoleil will start up.

To stop Bluetooth, you can:

- Right-click the Bluetooth icon in the notification area, and select **Turn off Bluetooth**.
- Right-click My Device icon, and select **Turn off Bluetooth**.

Tips:

- If you cannot find the Bluetooth icon in the notification area, check the following configuration: My Device Properties -> Accessibility -> Notification, and select **Show the Bluetooth icon in the notification area** check box.

  • If the Bluetooth hardware is not found, the Bluetooth icon in the notification area will not be shown.

4.2   Search for Remote Bluetooth Devices

To establish a Bluetooth connection, you need to find the remote Bluetooth device first.

If you are in Bluetooth Places, you can follow these steps:

1. Make the remote device **discoverable**.

2. Double-click the **Search Devices** icon.

3. Bluetooth devices will appear in the window, if discoverable.

 If you are in Classic View, you can:

1. Make the remote device discoverable.

2. Double-click the My Device icon, namely, the orange ball in the center of the window.

3. Bluetooth devices will appear around the orbit.

Tips:

- Discoverable: A Bluetooth device always has two statuses, discoverable and non-discoverable. It can only be searched in discoverable mode by other devices. The default mode of some mobile phones, headsets, mice and keyboards is non-discoverable. You have to manually switch the mode to discoverable. To learn how to make a device discoverable, check the user manual that came with your device.
- To stop searching devices, double-click the Search Devices icon in Bluetooth Places, or double-click the My Device icon in Classic View.

4.3   Search Remote Device Services

To communicate with a remote device for specified usage, you need to obtain the Bluetooth services supported by the device, which has been found.

If you are in Bluetooth Places, you can follow these steps:

1. Double-click the device icon to enter the device's subfolder.

2. Services supported by the device will appear in the window automatically. If not, double-click the Search Services icon to refresh.

3. To refresh the device's services list, double-click the **Search Services** icon.

If you are in Classic View, follow one of the methods below:

- Double-click the remote device icon.
- Right-click the device icon and select **Search Services** in the popup menu.

4.4 Bluetooth Security

To protect and prevent data from unauthorized access, a Bluetooth passkey is required before communication.

Once a remote device is paired with your computer by exchanging passkeys, passkeys will no longer be required for further connections between your computer and the device.

Pairing with a Bluetooth device

Right-click the device icon to show the popup menu. Select **Pair**. In the **Enter Bluetooth Passkey** dialog, enter the same passkey that you enter on the remote device. After a device is successfully paired with your computer, the remote device icon will have a paired mark on it.

Unpairing with a Bluetooth device

Right-click the device icon, and in the popup menu, select **Unpair**. The pairing relationship will be removed.

Tips:

- To pair with a Bluetooth keyboard, you should enter the passkey from the **Bluetooth keyboard** directly. See "Bluetooth Keyboard" in Chapter 5 for more details.
- If you don't want to be asked to pair with devices when establishing connection, you can change the secure connection setting as follows:
  a) If your computer initiates the connection: whether you input the Bluetooth passkey depends on the device you are connecting to. If its security level is low or it doesn't require a Bluetooth passkey, you don't need to enter it.

b) If your computer accepts the connection: double-click **My Device** -> right-click any service -> Properties -> uncheck the **Secure Connection** check box.

4.5   Establish and Terminate Bluetooth Connections

Establishing a Connection

1. Search remote Bluetooth enabled devices.

2. Search services of the remote device.

3. Double-click a service icon to initiate the connection.

4. You might be prompted to enter a passkey to authenticate. Enter the same passkey on both sides, or only enter the specific one provided by the device manufacturer on your computer side.

Terminating a Connection

- Right-click the service icon of the remote service, and select **Disconnect**.

- Right-click the service icon of the remote device, and select **Disconnect xx service** to terminate the service you are connecting to.

4.6   Manage My Service

Starting a service

To receive connection from other devices via BlueSoleil, the service must be started. To do so, follow these two steps:

1. Right-click the **My Device** and select **Properties**.

2. Select Service tab, and make sure that the service is not disabled in **Status** option.

Stopping a service

1. Right-click the **My Device** icon in the center of Classic View and select **Properties**.

2. Right-click a service icon and select **Disable** or click **Disable** button in Status dialog.

Disconnecting my service

Once your computer accepts other device's connection of Bluetooth File Transfer, Object Push, Personal Area Network, or Serial Port, you can disconnect the connection on your computer side as follow:

1. Double-click the **My Device** icon if you are in Bluetooth Places, or click the **My Device** icon if you are in Classic View.

2. Right-click the connected service icon, select **Status**, and click the **Disconnect** button.

4.7   Bluetooth Shortcut

Important: Only operating in Bluetooth Places supports Bluetooth shortcut.

The Bluetooth shortcut can be created for a specific remote device or a service of the remote device in Windows. You can set up the connection directly using the shortcut without opening the BlueSoleil window.

 Create shortcut

1. Open **Bluetooth Places**.

2. Find the icon of the device or service you want.

3. Right-click the device or service icon and select **Create Shortcut on Desktop**.

Operations:

- Double-click the shortcut of the remote device to open the remote device's window.

- Double-click the shortcut of the remote service to establish the connection.

4.8 Bluetooth Object Transfer Wizard

Users can send files to mobile phones, remote computers and other Bluetooth devices via Send To menu.

Typical Usage

- Select a file or several files and right-click to send via Send To -> Bluetooth popup menu.

Steps:

1. Select a file or several files. Right-click the files and select **Send To** -> **Bluetooth** to open the **Bluetooth Object Transfer Wizard**. (Figure 4.1)
2. Choose a remote device you want to send files to.
3. Input a passkey if required.
4. After connection setup, transfer the files.
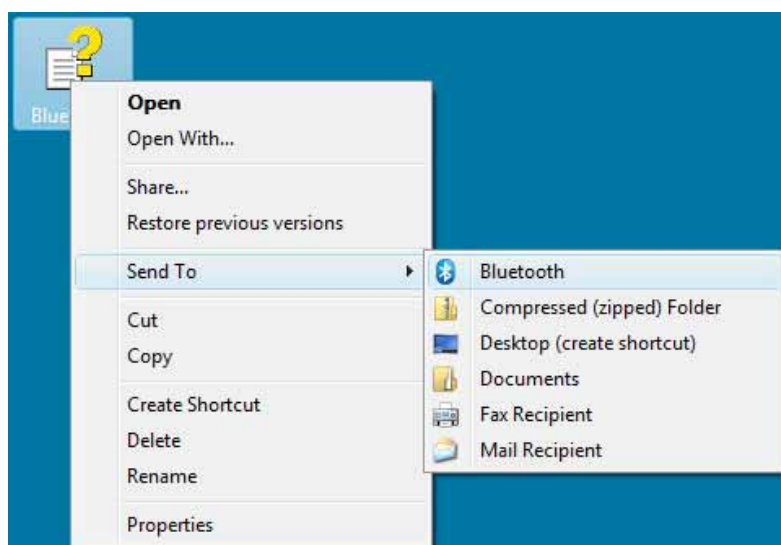
Figure 4.1

Tips:

- Sending multi files at the same time is supported. Folders cannot be sent.
- The **Send to** function works differently in Windows XP and Windows Vista. Bluetooth Object Transfer Wizard will popup directly after selecting **Send To** -> **Bluetooth** in Windows Vista; In Windows XP, there are submenus including **Other Devices** and history remote devices list in **Send To** -> **Bluetooth.** If you choose one of the history remote devices, the files will be sent to it directly; if you choose **Other Devices**, the **Bluetooth Object Transfer** wizard will appear.

4.9   Office Outlook Extended Functions

BlueSoleil has an add-in for MS Office Outlook. You can set your default business card, send contacts and mails to remote Bluetooth devices in Outlook directly.

Typical Usage

- Set a business card as your default card in Outlook.
- Choose contacts, mails, notes or calendar in Outlook to send to a remote device.

Steps:

1. Select a contact in your Outlook contacts. Select **File** -> **Set as my default Business Card** menu to set as your computer's default business card.

2. Select a contact, a mail, a note or a calendar. Select **File** -> **Send to Bluetooth Device**. Select a remote device to send the chosen information.

Tip:

- Office 2000, 2002, 2003 and 2007 are supported.

5   Connecting to your Bluetooth Devices

5.1   Bluetooth Headset

With a Bluetooth headset, you can enjoy music, or chat with others online wirelessly.

Typical Usage

- **Bluetooth Advanced Audio**
  To listen to high-quality stereo music played in the computer.

- **Bluetooth Headset and Microphone**
  To use the headset as mono earplug and microphone to chat with or make a VoIP call to others.

Tips:

- Some Bluetooth headsets only support Bluetooth Headset and Microphone service.
- When the headset battery is low on power, it may disconnect automatically.

5.1.1   Bluetooth Advanced Audio

This service enables users to listen to high-quality stereo music played in the computer.

Steps:

1. Make your headset discoverable.

2. Search for your headset and connect to the Bluetooth Advanced Audio service.

3. Play music on computer.

Tip:

- You can control the player remotely with the button on your headset that supports Audio/Video Remote Control Profile (AVRCP), such as play, pause, stop, previous, next, volume. Currently, Windows Media Player, RealPlayer, Winamp are supported. For more players, visit www.bluesoleil.com.

5.1.2   Bluetooth Headset and Microphone

This service enables users to enjoy the same functions as a wire earplug or microphone.

Steps:

1. Place your headset in discoverable mode.

2. Search for your headset and connect to it with the Bluetooth Headset and Microphone service.

3. You can make a VoIP call to chat with others.

4. Right-click the Bluetooth Headset and Microphone icon and select **Mute On** to mute the chat. Right-click and choose **Mute Off** to resume.

Tips:

- It is recommended not to listen to music with the Bluetooth Headset and Microphone service, this is only telephony sound quality.
- BlueSoleil sets the last connected headset as the default headset automatically. When there is an incoming VoIP call, the default headset will be connected automatically.

5.2   Bluetooth Mobile Phone

You can connect your Bluetooth mobile phone to the computer wirelessly.

Typical Usage

- **Bluetooth File Transfer**
  To transfer files to/from the shared folders in your mobile phone.
- **Bluetooth Object Push**
  To exchange cards with or send files to your mobile phone.
- **Bluetooth Dial-Up Networking**
  To dial-up to the Internet through your mobile phone via GPRS or 3G networks.
- **Bluetooth FAX**
  To send a fax from your computer through your mobile phone.

5.2.1 Bluetooth File Transfer

This service enables users to access folders shared by a mobile phone.

Steps:

1. Search for your mobile phone and connect to it using the Bluetooth File Transfer service.

2. The mobile phone' s folder is displayed in your explorer window.

3. You can browse the folder and copy/paste the files.

Tips:

- The Bluetooth connection is terminated after the file transfer operation.
- To refresh the folder contents, right-click the blank space in the shared folder window and select **Update current folder** in the popup menu.
- Some phones do not accept files copied into its folder via Bluetooth. Please refer to their user manuals.
- Renaming a remote shared file or folder is not supported in BlueSoleil.

5.2.2 Bluetooth Object Push

This service enables users to exchange cards with a mobile phone or send files to a mobile phone.

Steps:

1. Search for your mobile phone and search its services.

2. Right-click the Bluetooth Object Push service of your mobile phone.

3. Select **Send My Card** in the popup menu to send your default business card to the mobile phone.

4. Select **Send Objects**, and select a file, in the file dialog and send to your mobile phone.

5. Select **Exchange Cards** to exchange your default business card with the mobile phone. The default card of the phone is also sent to your computer, stored in the user's incoming folder and imported to Outlook.

6. Select **Get Card** to retrieve the default business card of the mobile phone.

Tips:

- Your default business card on the computer is a vCard in a .vcf file which can be created by exporting from a contact in Outlook. See "My Services Properties" in Chapter 6.4 for more details.
- To send a file to a mobile phone directly, you can right-click the file and select Send to -> Bluetooth. See "Bluetooth Object Transfer wizard" in Chapter 4.8 for more details.

5.2.3   Bluetooth Dial-Up Networking

This service enables users to dial-up to the Internet via a Bluetooth mobile phone.

Steps:

1. Search for your mobile phone and connect to its Bluetooth Dial-Up Networking service.

2. A Bluetooth dial-up networking Modem driver will be installed on the first time connection.

3. The Dial-Up Networking dialog pops up (Figure 5.1). Enter the right ISP phone number and click the **Dial** button to connect to your ISP.

4. Once the dial-up connection is established, you can browse the Internet on your computer.

Figure 5.1

Tip:

- To dial-up via GPRS or 3G, you need to configure the GPRS settings in your phone. Please contact your phone manufacturer or mobile phone provider for more details.

5.2.4　Bluetooth FAX

This service enables users to send a fax via a Bluetooth mobile phone.

Steps:

1. Install a fax printer driver on your computer from the **Control Panel** -> **Printer**.

2. Search for your mobile phone and connect to its Bluetooth FAX service.

3. A Bluetooth fax Modem driver will be installed on the first time connection.

4. Choose a file you want to send via fax. Right-click the file and select **Print** and print it to the fax printer.

Tips:

- Please refer to Windows online help for more information about fax printer.
- You can also send fax using fax software such as Microsoft Fax.

5.3　Bluetooth Keyboard

With BlueSoleil, a Bluetooth keyboard can be connected to your computer as a Human Interface Device (HID).

Steps:

1. Search for your Bluetooth keyboard.

2. If you are in Bluetooth Places, double-click Bluetooth keyboard icon to initiate the connection.

If you are in Classic View, double-click the keyboard icon to search its service first. Then double-click the highlighted Bluetooth Human Interface Device service icon to initiate the connection.

3. A passkey may be needed. Please enter the same passkey shown in the BlueSoleil pairing dialog on **Bluetooth keyboard** and press **Enter** key to pair. (Figure 5.2)

4. The Bluetooth keyboard driver will be installed on the first time connection. After the driver installation, the Bluetooth keyboard can be used as the computer-HID device.

5. The Bluetooth keyboard can be reconnected automatically, once you type any key on the keyboard.
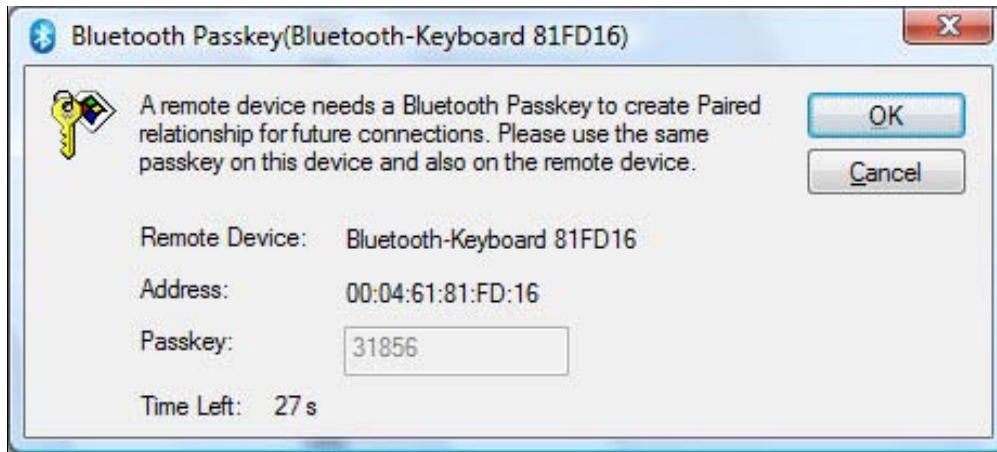
Figure 5.2

Tips:

- To disconnect the keyboard permanently, right-click the Bluetooth keyboard icon and select **Unplug** in the popup menu.
- The connection may not be set up if the Bluetooth keyboard battery is low on power.

5.4 Bluetooth Mouse

With BlueSoleil, a Bluetooth mouse can be connected to your computer as a Human Interface Device (HID).

Steps:

1. Search for your Bluetooth mouse.

2. If you are in Bluetooth Places, double-click Bluetooth mouse icon to initiate the connection.

If you are in Classic View, double-click the mouse icon to search its service first. Then double-click the highlighted Bluetooth Human Interface Device service icon to initiate the connection.

3. A passkey may be needed. Please enter the default passkey of the mouse on BlueSoleil. See the Bluetooth mouse's user manual for its default passkey.

4. The Bluetooth mouse driver will be installed on the first time connection. After the driver installation, the Bluetooth mouse can be used as the computer-HID device.

5. The Bluetooth mouse can be reconnected automatically, once you click the mouse button.

Tips:

- To disconnect the mouse permanently, right-click the Bluetooth mouse icon and select **Unplug** in the popup menu.
- The connection may not be set up if the Bluetooth mouse battery is low on power.

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5.5 Remote Computer

With BlueSoleil, you can connect to other computers wirelessly.

Typical Usage

- **Bluetooth Personal Area Network**
  To form a Bluetooth TCP/IP network.
- **Bluetooth File Transfer**
  To transfer files to/from the shared folders on the remote computer.
- **Bluetooth Object Push**
  To transfer a business card or other data between your computer and your mobile phone.
- **Bluetooth Serial Port**
  To transfer data between computers.

5.5.1 Bluetooth Personal Area Network

This service enables users to form a Bluetooth TCP/IP network to remote computers.

Steps:

1. Search for the remote computer and connect to its Bluetooth Personal Area Network service.

2. The Bluetooth IP address of your local or remote computers will be assigned and shown as the information tip.

3. You can access files and folders shared by the remote computers Bluetooth Personal Area Network address.

Tips:

- To learn more about the Bluetooth Personal Area Network service and configuration BlueSoleil provides, please refer to "My Services Properties" in Chapter 6.4.
- If you can not access the other side's network after the connection is established, please make sure that firewalls on both sides are shut off and you have the authority to access the remote computer.
- After connecting the Bluetooth Personal Area Network with remote computer (s), BlueSoleil supports network games.

5.5.2 Bluetooth File Transfer

This service enables users to access folders shared by a remote computer.

Steps:

1. Search for the remote computer and connect to it using the Bluetooth File Transfer service.

2. The computer's folder is displayed in your explorer window.

3. You can browse the folder and copy/paste the files.

Tips:

- The Bluetooth connection is terminated after the file transfer operation.
- To refresh the folder contents, right-click the blank space in the shared folder window and select **Update current folder** in the popup menu.
- Some computers do not accept files copied to its folder via Bluetooth. Please refer to their user manuals.
- Renaming a remote shared file or folder is not supported in BlueSoleil.

5.5.3 Bluetooth Object Push

This service enables users to exchange cards with a remote computer or send files to the remote computer.

Steps:

1. Search for your remote computer and search its services.

2. Right-click Bluetooth Object Push service of your remote computer.

3. Select **Send My Card** in the popup menu to send your default name card to the remote computer.

4. Select **Send Objects**, select a file in the file dialog and send to your remote computer.

5. Select **Exchange Cards** to exchange your default name card with the remote computer. The default card of the computer is also sent to your computer, stored in the user's incoming folder and imported to Outlook.

6. Select **Get Card** to retrieve the default name card of the remote computer.

Tips:

- Your default name card on the computer is a vCard in a .vcf file which can be created by exporting from a contact in Outlook. See "My Services Properties" in Chapter 6.4 for more details.
- To send a file to a remote computer directly, you can right-click the file and select **Send to** -> **Bluetooth**. See "Bluetooth Object Transfer wizard" in Chapter 4.8 for more details.

5.5.4 Bluetooth Serial Port

This service enables users to transfer data between computers.

Steps:

1. Search for the remote computer and connect to its Bluetooth Serial Port service.

2. A new serial port will be installed the first time.

3. An information balloon will show you the outgoing serial port number.

4. Once connected, you can transfer data via the serial port.

Tip:

- If you open an installed serial port, BlueSoleil will establish the connection to the remote computer automatically.

5.6   Bluetooth Printer

With BlueSoleil, you can print files to a Bluetooth printer wirelessly.

Typical Usage

- **Bluetooth Print**
  To print files to a Bluetooth printer.
- **Bluetooth Object Push**
  To print a file by sending data to the Bluetooth printer directly.

5.6.1   Bluetooth Print

This service enables users to print files to a Bluetooth printer wirelessly.

Steps:

1. Search for the Bluetooth printer and double-click the Bluetooth Print service icon to start the **add printer** wizard.

2. Choose **Create a new port** to create a BlueSoleil Printer Port. (Figure 5.3)

3. Install and connect the printer serial port in **Connect Printer** wizard. (Figure 5.4)

4. Choose the driver for your printer in **Install the printer driver** wizard. (Figure 5.5)

5. The printer is added.

6. You can print files to the new Bluetooth printer now. BlueSoleil will connect to the printer automatically when the printer port is opened.
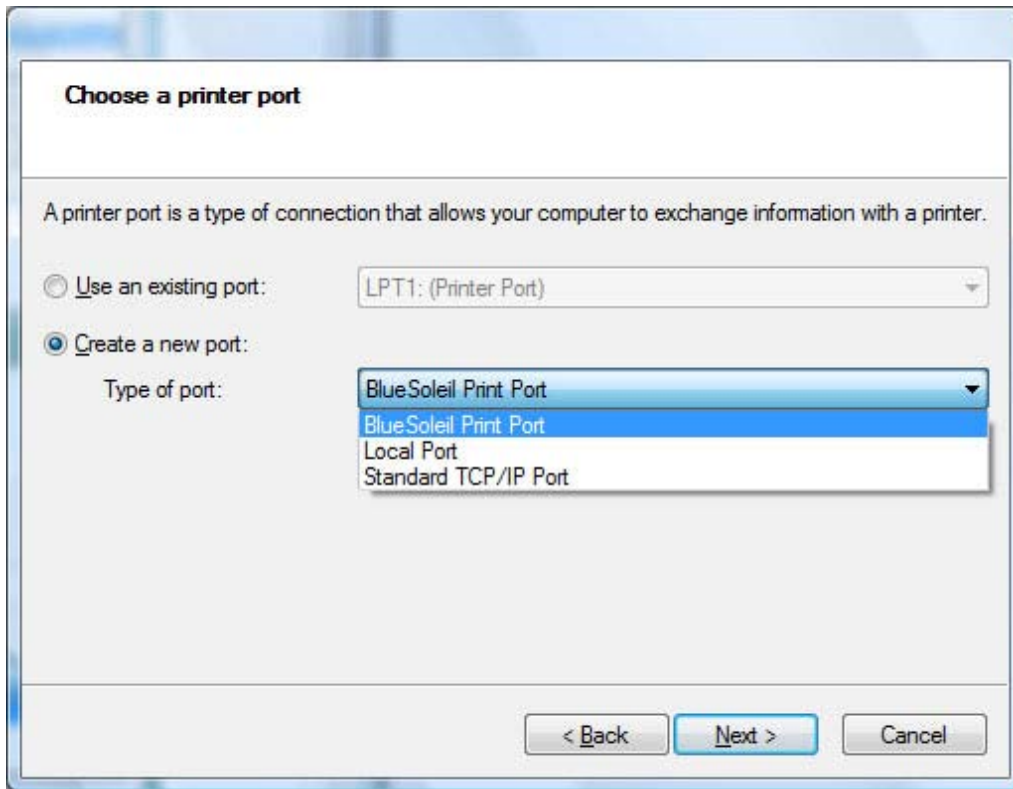
Figure 5.3
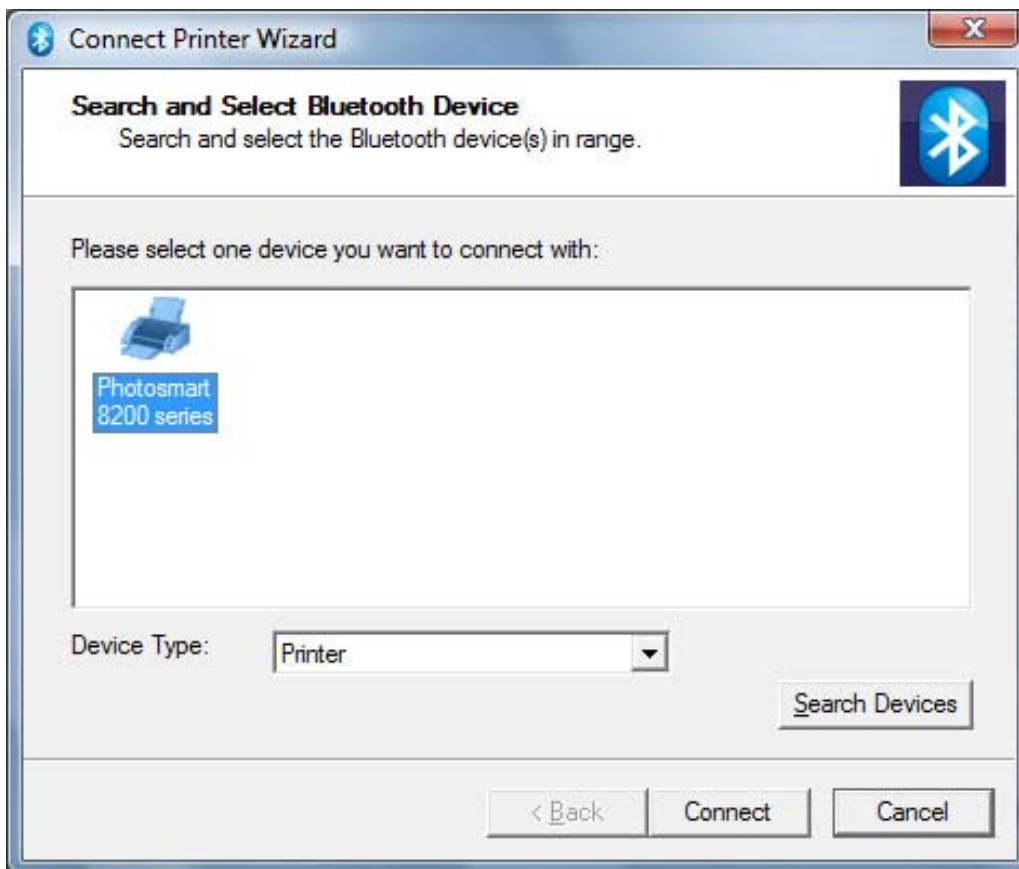
Figure 5.4
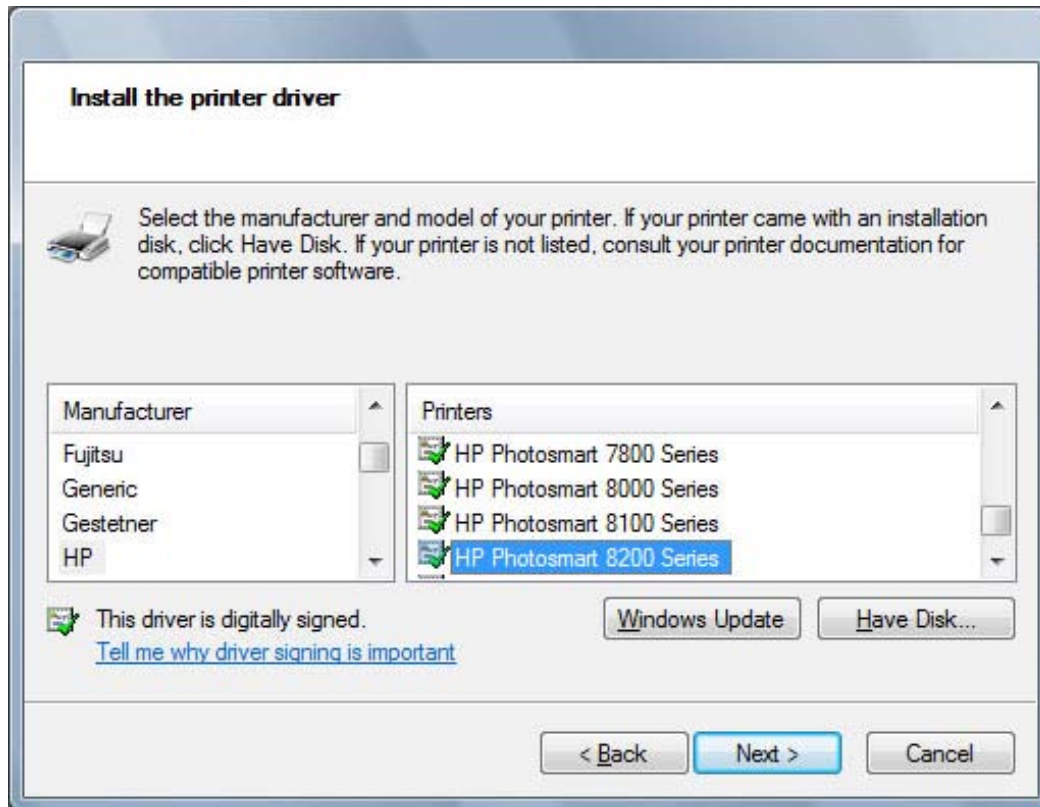
Figure 5.5
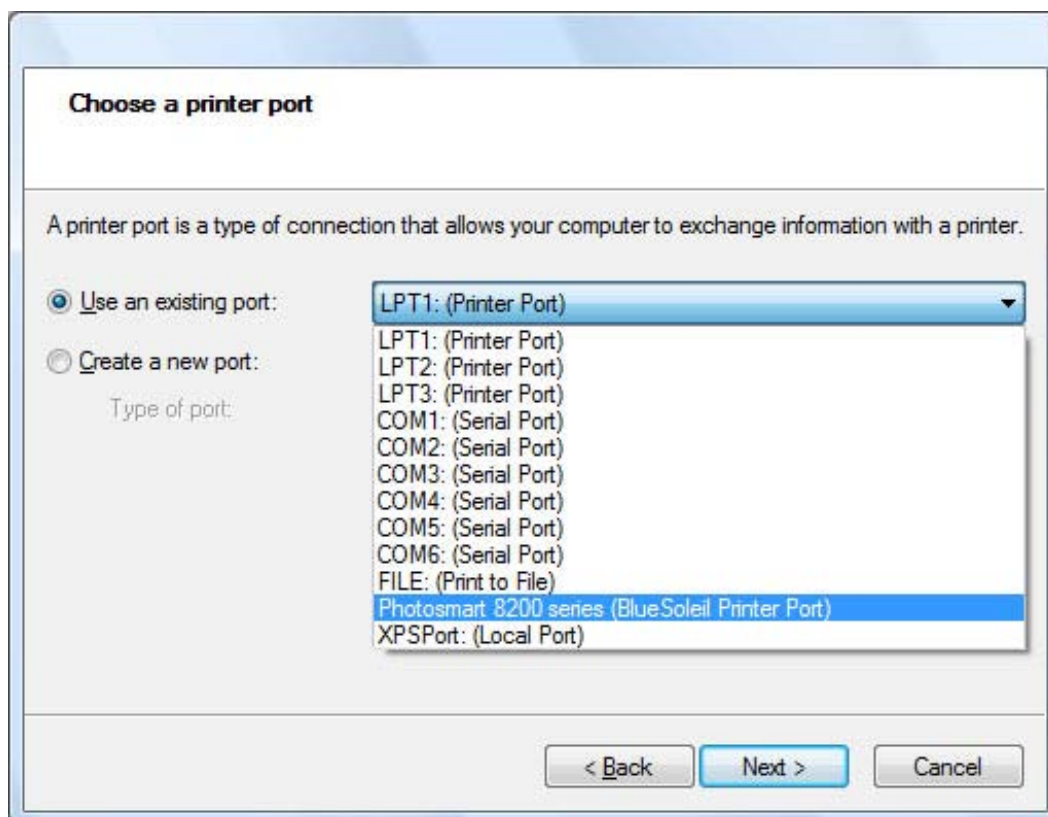
Figure 5.6

Tips:

- Only Windows administrators are allowed to add a Bluetooth printer.
- If the BlueSoleil Print Port has been added, you can choose it for your printer in the **Use an existing port** list. (Figure 5.6)
- Different types of Bluetooth printers may have different operating methods, please read your printers' user manuals for more details.

5.6.2   Bluetooth Object Push

This service enables users to print a business card or a picture directly by sending them to the Bluetooth printer.

- You can use "**Bluetooth Object Transfer Wizard**" (Chapter 4.8) to print a business card or a picture by sending them to the Bluetooth printer directly.
- You can use "**Office Outlook Extended Functions**" (Chapter 4.9) to send a business card to the printer.

5.7   Bluetooth Modem

With BlueSoleil, your computer can connect to the Internet via a Bluetooth modem.

Steps:

1. Make sure your Bluetooth modem is powered on and connects to the telephone line.

2. Search for the Bluetooth modem and connect to its Bluetooth Dial-Up Networking service.

3. A Bluetooth dial-up networking Modem driver will be installed on the first time connection.

4. The Dial-up networking dialog pops up. Enter your correct ISP phone number and click the **Dial** button.

5. Once the dial-up connection is established, you can browse the Internet on your computer.

5.8   Bluetooth Access Point

With BlueSoleil, you can access the local area network via a Bluetooth access point.

Steps:

1. Make sure your Bluetooth access point is powered on and connected to the local area network.

2. Search for your Bluetooth access point and connect to its Bluetooth Personal Area Network service. You might be prompted to enter the passkey of your access point. See the user manual that came with your access point for the passkey.

3. After connected, an IP address will be assigned to your computer.

4. You can access the local area network now.

Tip:

- If you can not access the local area network after connection, please make sure the firewalls on your computers are shut down and you have the authority to access the Bluetooth access point.

6   Advanced Configurations

6.1   BlueSoleil Environment

6.1.1   Bluetooth Places

My Device Icon

Icon States:

- **Idle**. My Device is in the normal state.
- **Connected**. There is at least one Bluetooth connection between My Device and the remote Bluetooth devices.
- **Disabled**. My Device's Bluetooth is not working.

Operations:

- Double-click the icon to view the services.
- Right-click the icon to display a popup menu so as to view the related operations.

My Services Icons

Service	Icon

Bluetooth Personal Area Network	
Bluetooth Serial Port	
Bluetooth File Transfer	
Bluetooth Object Push	

Icon States:

- **Connected**. A remote device is connected to BlueSoleil using this service.
- **Idle**. The normal state of the service.
- **Disabled**. The service is disabled.

Operations:

- Double-click the icon to view the status.
- Right-click the icon to display a popup menu so as to view the related operations.

Search Devices Icon

Operation:

- Double-click the icon to search devices; double-click it once more to stop searching devices.

Remote Devices Icons

Device	Icon

Headset					
Mobile Phone					
Mouse					
Keyboard					
Game Bar					
Camera					
PDA					
Video Device					
Access Point & Modem					
Desktop					

Laptop				
Printer				
Unknown device				

Icon States:

- **Connected**. The device is connected to your computer.
- **Default**. The device is set as the default device. (This state is only available for **headsets**.)
- **Idle**. The device is in the normal state.
- **Paired**. The device has been paired with your computer successfully.
- **Disabled**. The device is not accessible.

Operations:

- Double-click the icon to search the remote Bluetooth device services.
- Right-click the icon to display a popup menu so as to view the related operations.

Tip:

- Double-click the icon of the Bluetooth mouse or keyboard, and the connection will be established directly.

Search Services Icon

Operation:

- Double-click the icon to search services.

Tip:

- You cannot manually stop searching services in the searching process.

Remote Devices Services Icons

Service	Icon
Bluetooth Headset and Microphone	
Bluetooth Advanced Audio	
Bluetooth File Transfer	
Bluetooth Object Push	
Bluetooth Personal Area Network	
Bluetooth Serial Port	
Bluetooth Dial-Up Networking	
Bluetooth Print	

Bluetooth FAX	

Icon States:

- **Connected**. The connection to the service has been established.
- **Mute**. The headset is set to be mute. (This state is only available for **Bluetooth Headset and Microphone** service.)
- **Idle**. The remote service is in the normal state.
- **Disabled**. The service is unavailable since the Bluetooth is not working.

Operations:

- Double-click the icon to connect to a remote device service.
- Right-click the icon to display a popup menu so as to view the related operations.

6.1.2 Classic View

My Device Icon

Operations:

- Click the icon to select the local device and display its available services.
- Double-click the icon to search the Bluetooth devices.
- Right-click the icon to display a popup menu.

My Services Icons

Service	Icon
Bluetooth Personal Area Network	
Bluetooth Serial Port	

Bluetooth File Transfer			
Bluetooth Object Push			

Icon States:

- **Connected**. A remote device is connected with BlueSoleil under this service.
- **Idle**. The service is provided in the normal state.
- **Disabled**. The service is disabled.

Operations:

- Double-click the icon to view the status.
- Right-click the icon to display a popup menu so as to view the related operations.

Remote Devices Icons

Device	Icon
Headset	
Mobile Phone	
Mouse	
Keyboard	
Game bar	
Camera	

PDA			
Video Device			
Access Point & Modem			
Desktop			
Laptop			
Printer			
Unknown device			

Icon States:

- **Connected**. The device is connected with your computer.
- **Default**. The device is set as the default device. (This state is only available for **headsets.**)
- **Paired**. The device has been paired with your computer successfully.
- **Idle**. The device is working in the normal state.

Operations:

- Double-click the icon to search the remote Bluetooth device's services.
- Right-click the icon to display a popup menu to view related operations.

Remote Devices' Services Icons

Service	Icon

Bluetooth Headset and Microphone				
Bluetooth Serial Port				
Bluetooth File Transfer				
Bluetooth Object Push				
Bluetooth Advanced Audio				
Bluetooth Personal Area Network				
Bluetooth Dial-Up Networking				
Bluetooth Human Interface Device				
Bluetooth Print				
Bluetooth Fax				

Icon States:

- **Connected**. The connection with the service has been established.
- **Mute**. The headset is set to be mute. (This state is only available for **Bluetooth Headset and Microphone** services.)
- **Idle**. The remote service is provided in the normal state.
- **Disabled**. The service is unavailable since Bluetooth is not working.

Operations:

- Double-click the icon to connect with a remote device service.
- Right-click the icon to display a popup menu so as to view the related operations.

6.2   My Device Properties

The Local Bluetooth device, known as **My Device**, represents the user's computer that is running BlueSoleil.
To view or change its settings:

- Right-click the **My Device** icon, and select **Properties**.
- Right-click the Bluetooth icon in the notification area, and select **My Device Properties**.

General

- **Device Name**: My device's name is shown to other Bluetooth enabled devices.
- **Device Type:** The device type of your computer (i.e., Desktop or Laptop) is shown to other Bluetooth enabled devices.
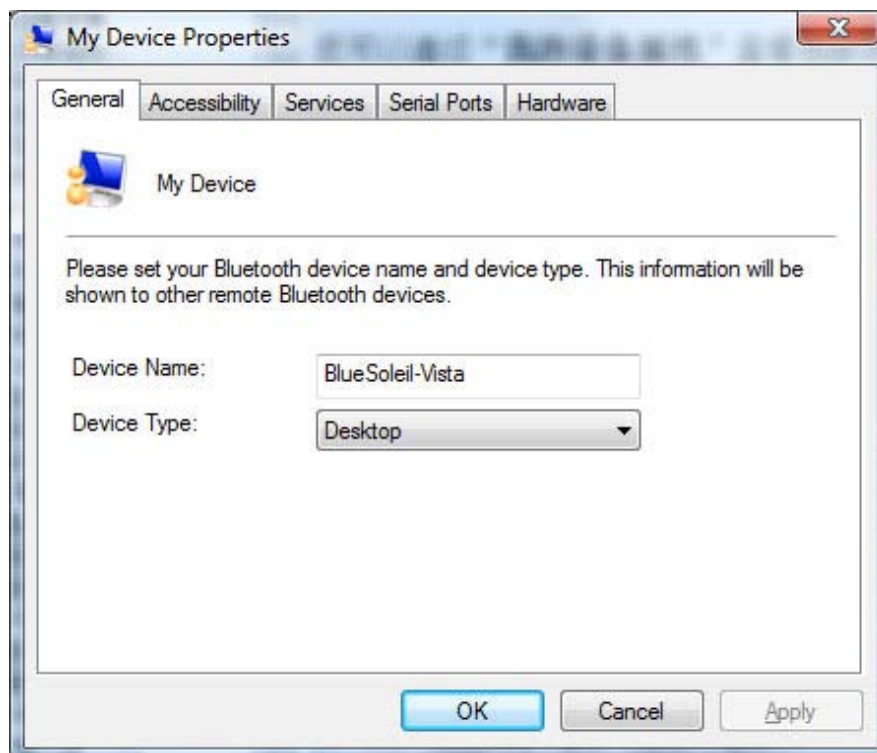
Accessibility

Accessibility

- **Allow other Bluetooth devices to find this device**: To enable other Bluetooth devices to find your computer by Bluetooth device searching.
- **Allow other Bluetooth devices to connect to this device**: To enable other Bluetooth devices to connect to your computer.

Notification

- **Show information tips**: Prompt information tips beside the Bluetooth icon.
- **Show the Bluetooth icon in the notification area**: Show the Bluetooth icon in the Windows tray icon area.
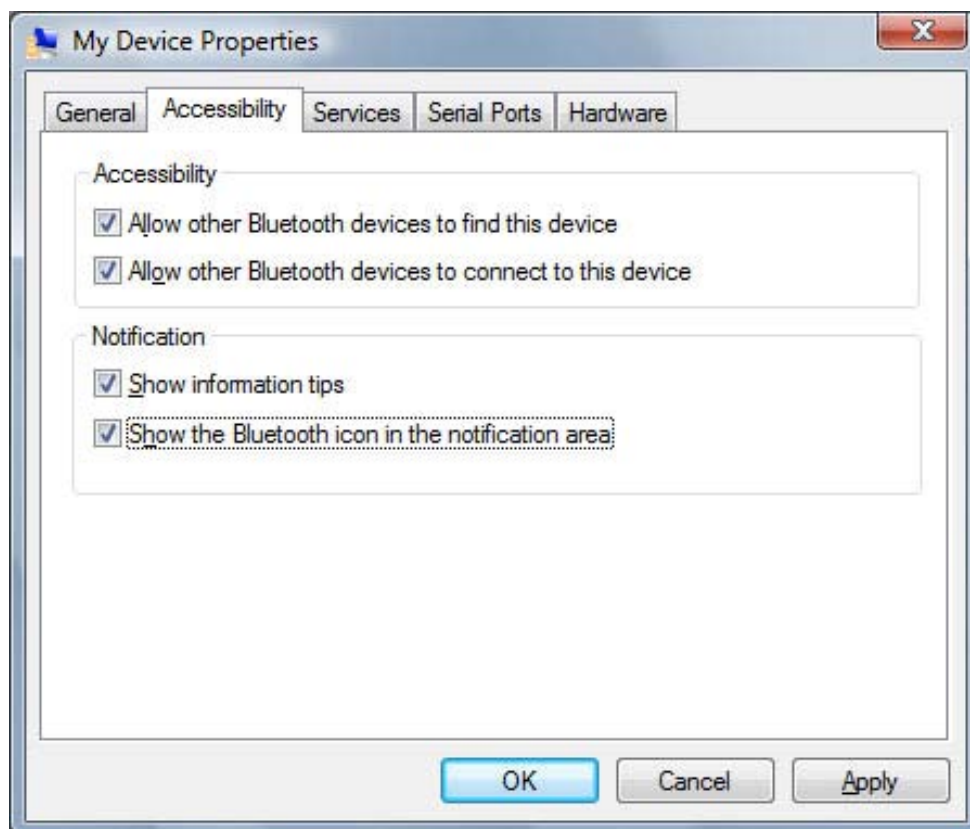
Services

This tab lists your computer's Bluetooth services. To view the status or properties of a service, select the service and click the corresponding button.

Tip:

- If your computer initiates the Bluetooth Personal Area Network connection with a remote device, your Bluetooth Personal Area Network service will be **Disabled** automatically.
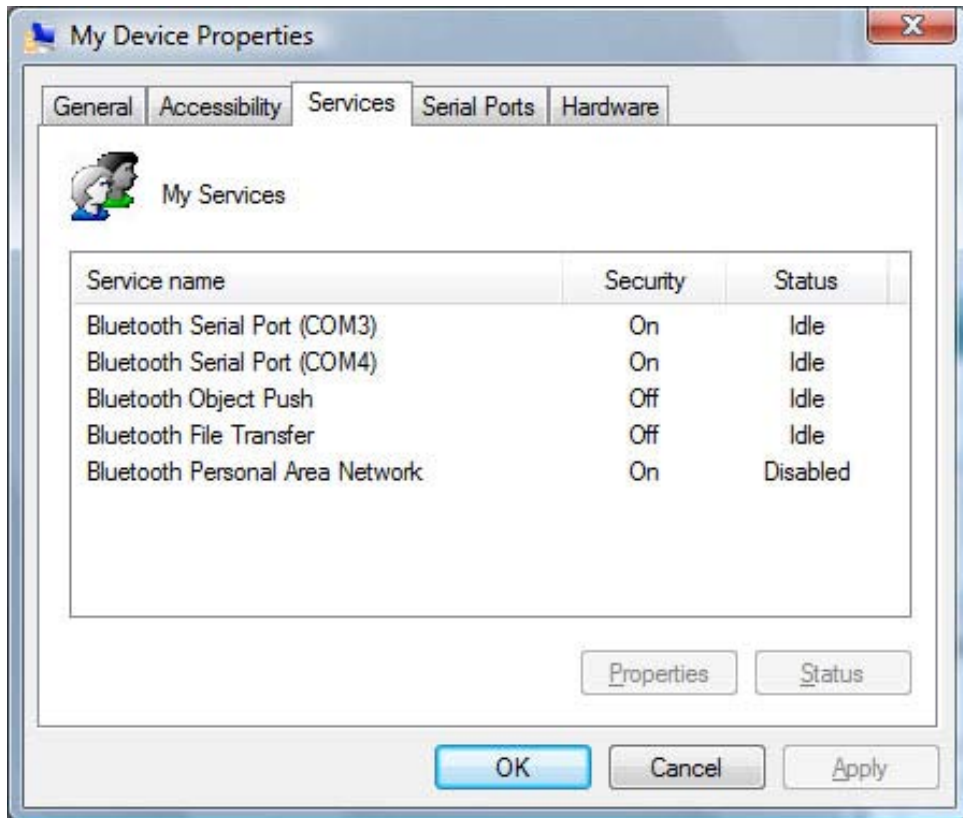
Serial Ports

This tab lists all the Bluetooth serial ports on your computer. To view the properties of a serial port, select the serial port and click the Properties button.
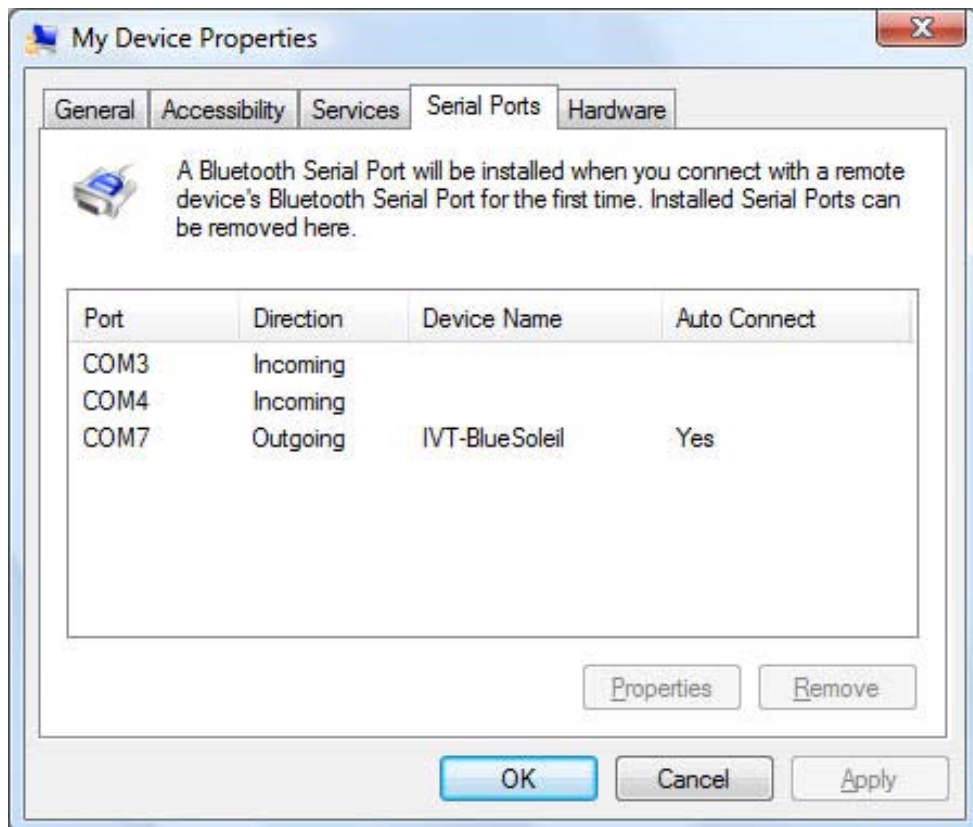
Hardware

This tab displays information on your Bluetooth hardware.

- **Device Address**: The global unique MAC address of your Bluetooth radio chipset.
- **Manufacturer**:   The manufacturer of your Bluetooth radio chipset.
- **HCI Version**: The HCI version of your Bluetooth radio chipset.
- **HCI Revision**: The HCI revision of your Bluetooth radio chipset.
- **LMP Version**: The LMP version of your Bluetooth radio chipset.
- **LMP Subversion**: The LMP subversion of your Bluetooth radio chipset.
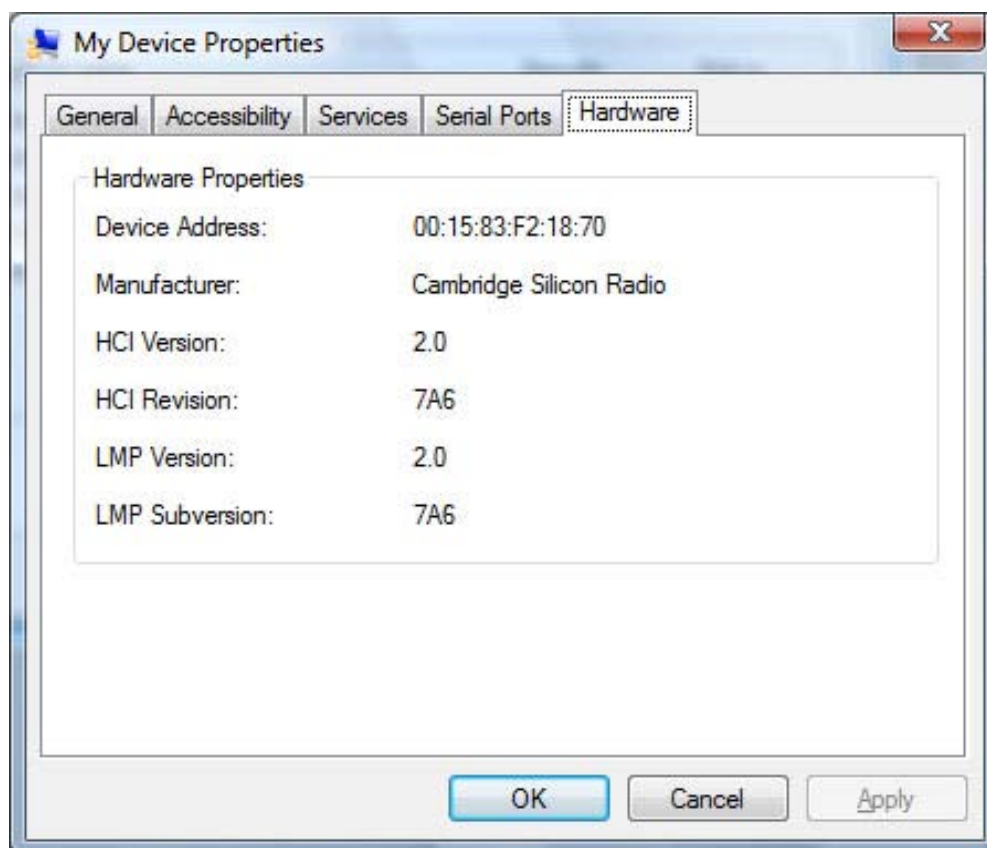
6.3   My Services Status

To view one of my Bluetooth services status:

- Right-click the service's icon and select **Status** in the popup menu.
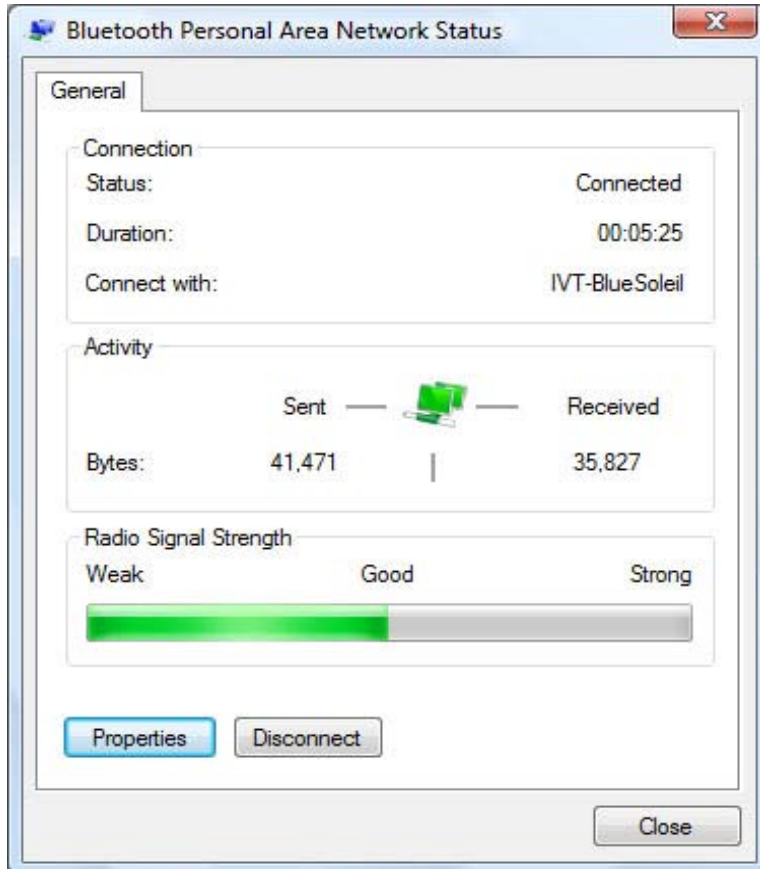
- **Connection**: The connection status.
- **Activity**: The amount of the data sent and received.
- **Radio Signal Strength**: The radio quality between the remote device and the local device. If the radio signal is too weak, the data transferring speed will be slow.
- **Properties**: Display my service properties.
- **Disable/Enable**: Disable or enable the service.

6.4   My Services Properties

To configure one of my Bluetooth services settings:

- Right-click the service's icon and select **Properties** in the popup menu.

General

This tab displays the service name, location and description.

To keep the connection with this service secure, check the **Secure Connection** check box. A Bluetooth passkey is required when the remote device connects with this service.
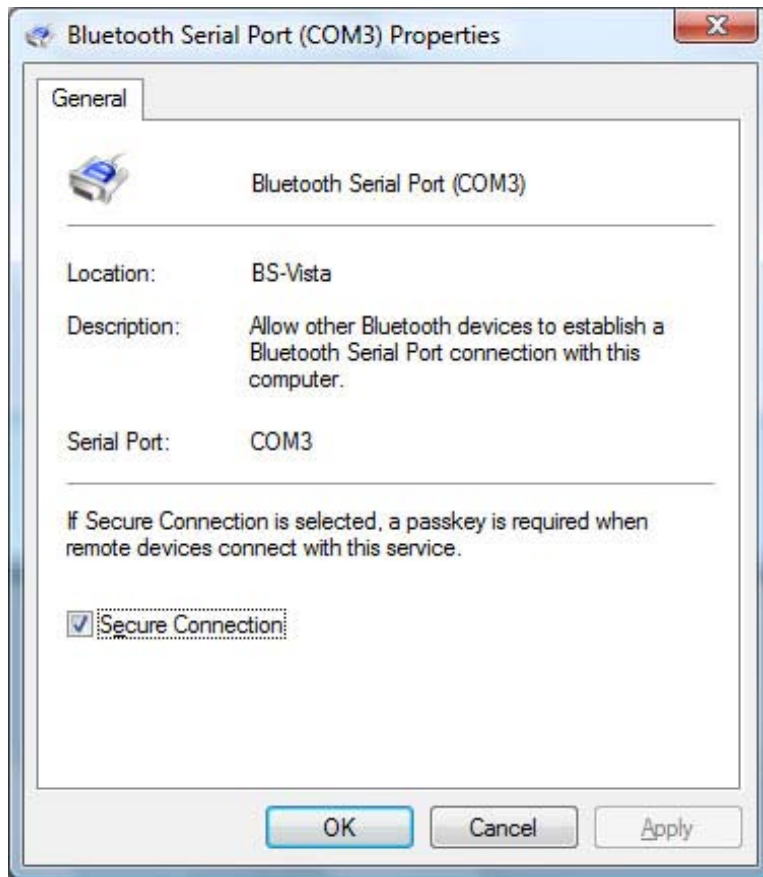
Option - Personal Area Network

- Set up Bluetooth Group Network Mode

  In this mode, a few devices are connected to your computer's Bluetooth Personal Area Network service to form a local IP network.

  When the **Enable DHCP Server** is checked, BlueSoleil provides the DHCP server to assign an IP address for those connected devices. Meanwhile, the network range is set up.

  The default IP address of your computer is 192.168.50.1, and the connected remote devices will get 192.168.50.2 and the later IP addresses.

  To use other DHCP servers, uncheck the **Enable DHCP Server** check box.
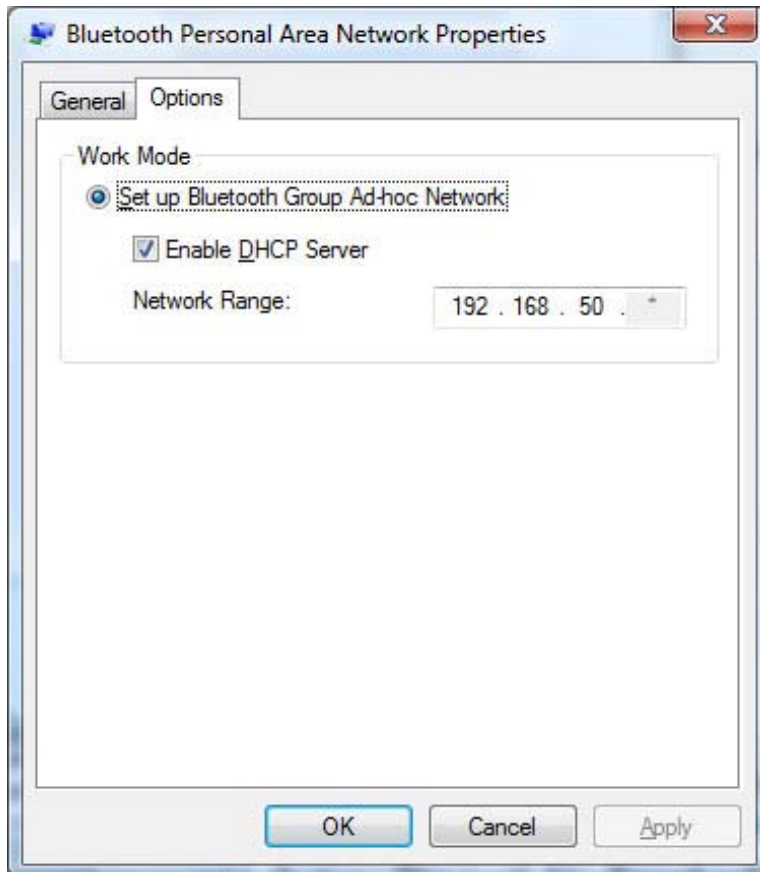
Option - Bluetooth File Transfer

- Share this folder

    This is the root folder shared to remote Bluetooth devices via your File Transfer
    service. Remote users can upload/download files to/from this folder.

If the **Allow other Bluetooth users to change my files** check box is not selected, your
shared folder is set to be Read-only for the remote users.
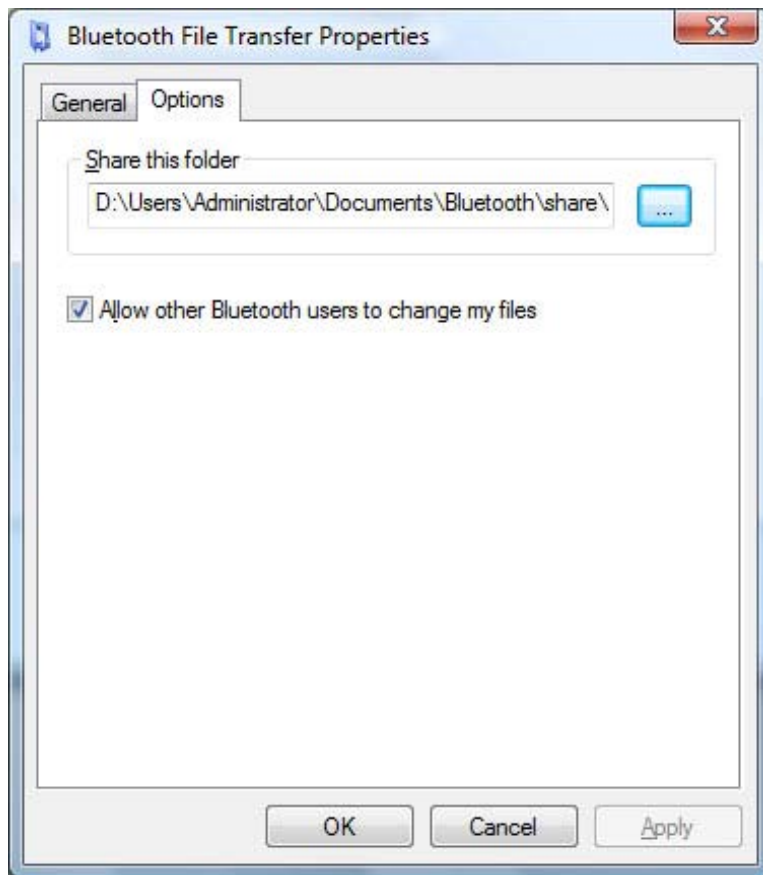
Option - Bluetooth Object Push

- Root folder for incoming files
  The objects sent to your computer via Bluetooth Object Push will be saved to the
  folder automatically.

- My Business Card
  Your default business card, a .vcf file, is selected here.
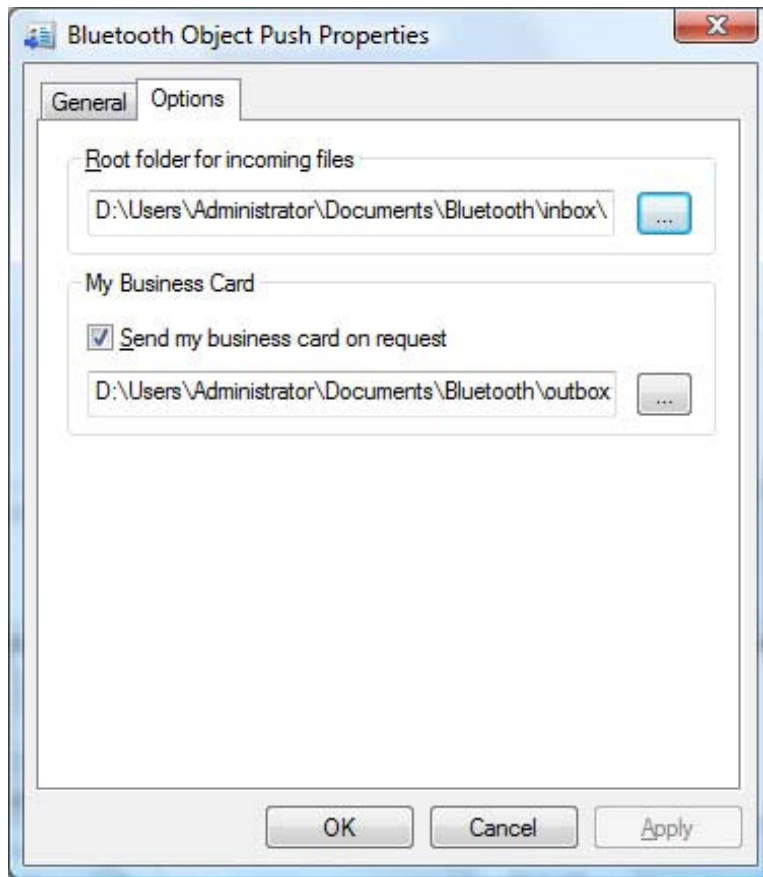
6.5 Remote Device Properties

You can view the information on the remote device, and allow the paired device to access your Bluetooth services without asking for authorization in the remote device **Properties** dialog:

- Right-click the device icon, and select **Properties**.

General

This tab displays the remote Bluetooth device's name, type and device address.
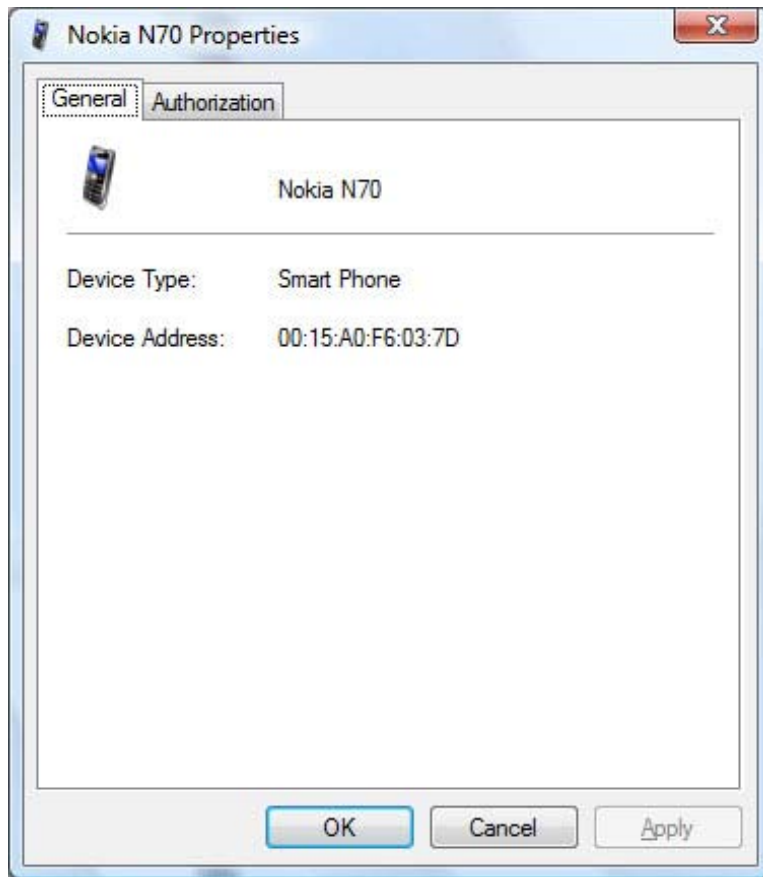
Authorization

When the remote device connects to one of your Bluetooth services, the Bluetooth Service Authorization dialog will appear.

If you select **Always allow the remote device to use this service in my device** check box, and click **Yes,** the authorization dialog will not prompt for later connections.

The authorization settings for the specific remote device can be viewed and changed in Authorization tab of the device's Properties dialog.
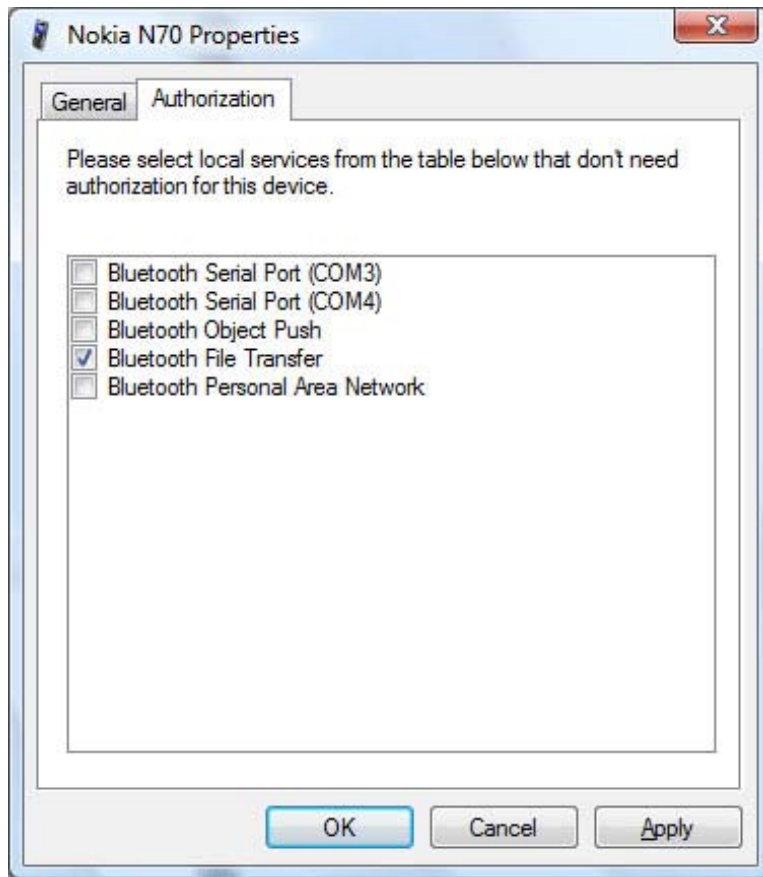
Tip:

- The Authorization tab is available only after the remote device is paired with your computer.

6.6 Remote Device Services Status

To view a remote device's service status:

- Right-click the remote device's service icon, and select **Status** in the popup menu.
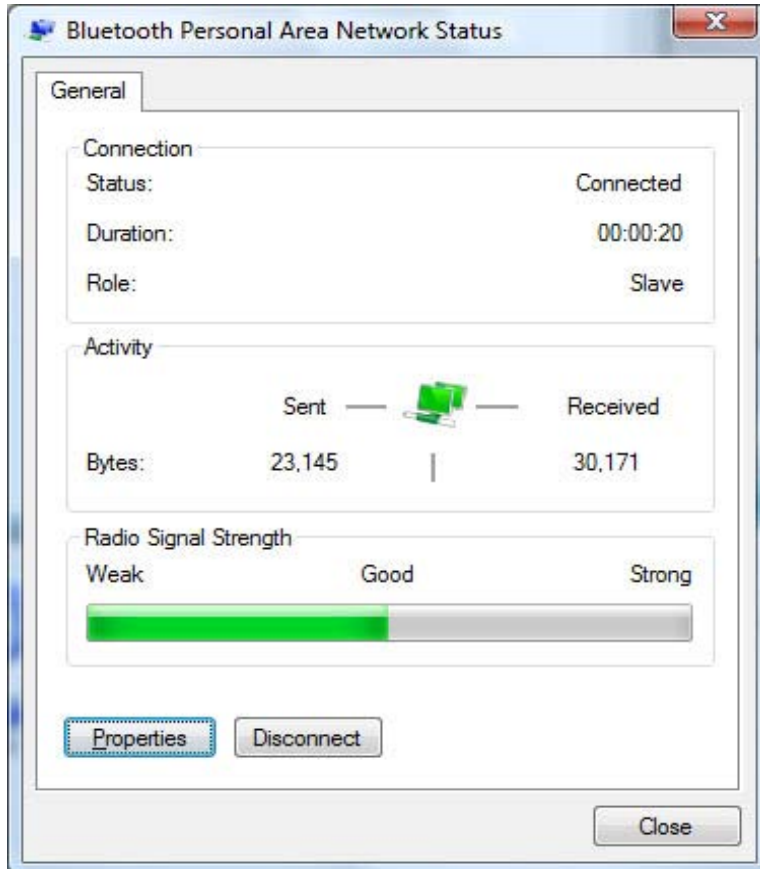
- **Connection:** The devices are connected. The remote device's Master/Slave role is also shown.
- **Activity:** The amount of data sent and received.
- **Radio Signal Strength:** The radio quality between the remote device and the local device. If the radio signal is too weak, the data transferring speed will be slow.
- **Properties:** Display remote service properties.
- **Disconnect:** Disconnect between the remote devices and your computer.

6.7 Remote Device Services Properties

To view a remote device service settings:

- Right-click the remote device service icon, and select **Properties** in the popup menu.

General

This tab displays the remote device service name and description.

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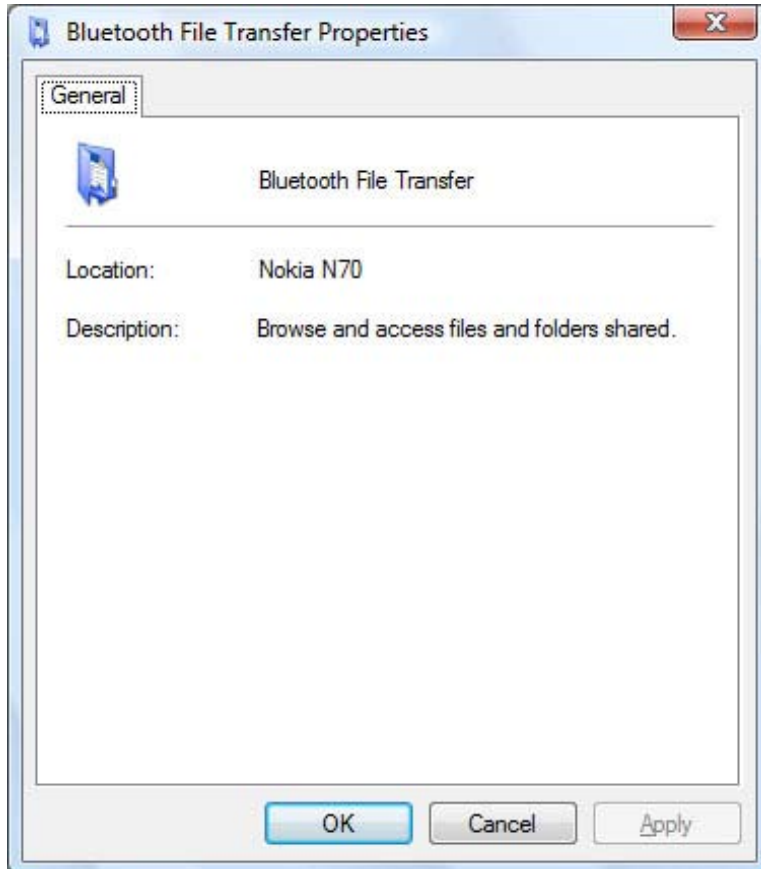
Option - Bluetooth Advanced Audio

High Sound Quality needs more Bluetooth radio bandwidth. Middle Sound Quality needs less.
Middle Sound Quality is recommended only if you want to reserve more bandwidth for other
Bluetooth connections, such as for a Bluetooth mouse, to get better multi-connection
co-existence experience.

Option - Bluetooth Serial Port

If the **Auto connect** is checked, the Bluetooth Serial Port connection with the remote device
will be established automatically when the corresponding serial port is opened.
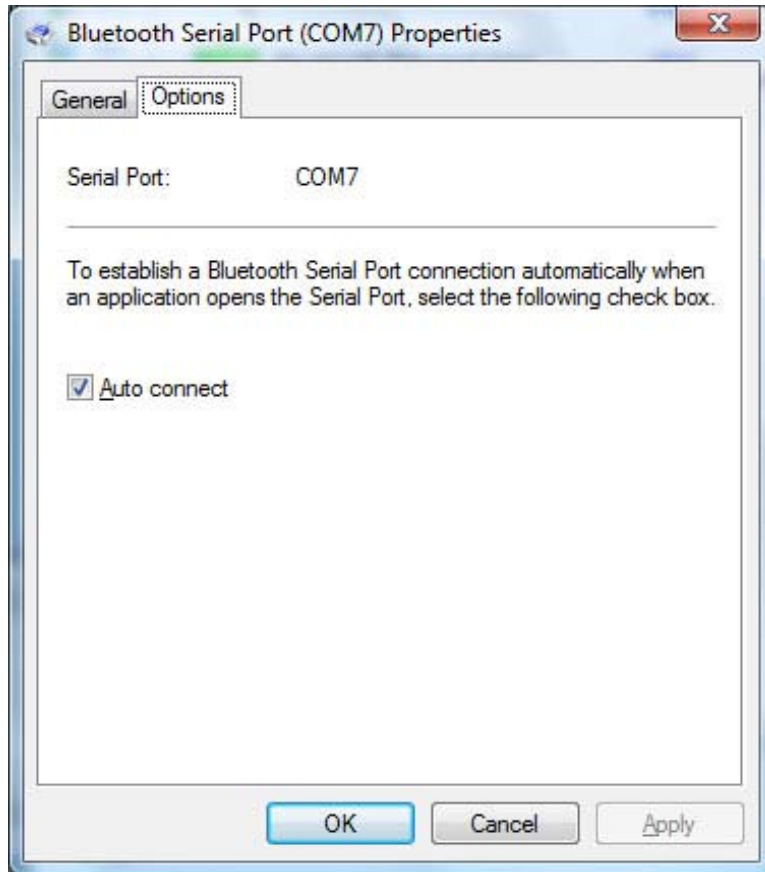
7 Troubleshooting

1. Why is the Bluetooth icon in Windows tray icon area gray when BlueSoleil starts up?

A: Your Bluetooth radio is not supported by your computer or BlueSoleil, or, Bluetooth is turned off.

2. What does "The Bluetooth device does not have proper license key. Bluetooth cannot start." mean?

A: Your Bluetooth radio does not contain a valid license key authorized by IVT Corporation, so BlueSoleil will stop working. For more details, please check BlueSoleil online support.

3. What is Bluetooth passkey?

A: Bluetooth passkey is used in the authentication procedure for Bluetooth security purpose. When a remote device connects to your computer, it has to offer the same Bluetooth passkey as that you input on your computer. Only when the Bluetooth passkeys from both sides are the same, connection can be set_up. A paired relationship is created after a successful pairing, and the passkey is no longer required for later connection. The paired relationship can be removed by any side.

4. What can I do if the connection has failed?

A: If the connection fails, the remote device may be in non-discoverable mode. Please make sure the remote device is discoverable and try to connect again.

5. Why may I not send files to my device?

A: Please make sure that your device supports File Transfer or Object Push function, and it has enough space. Some devices accept limited types of files, such as pictures and music only. Please also make sure that your file name does not contain characters that cannot be recognized by your device.

6. Why I cannot add another Bluetooth printer with the same name?

A: BlueSoleil doesn't support multiple printers with the same name. In this case, the Windows OS cannot tell which printer is the right one. Please rename one of the printers.

7. Does BlueSoleil support Windows multi-session?

A: Yes, BlueSoleil supports Windows multi-session. Different users logged in to Windows can all access and use the Bluetooth function.

8. How do I use Nokia's PC Suite with BlueSoleil?

A: Please first make sure the version of your Nokia PC Suite is 6.5 or later. Here's how:

    1. Start PC Suite, and select the connection type in **Connection Manager** to be Bluetooth (**IVT BlueSoleil**).

    2. PC Suite connection wizard will guide you to find your mobile phone, then you can connect your phone to PC Suite via BlueSoleil.

    3. Once connected, you can back up phone contents, synchronize contacts, calendar items, notes, write, send and print text messages from your PC, install Symbian and Java^{TM} applications from a PC to a phone, and etc.

For more FAQs, please visit: www.bluesoleil.com/support/index.asp?topic=faq

Federal Communication Commission Interference 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 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: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

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

IMPORTANT NOTE:

This equipment complies with IC RSS-102 and FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

OEM integrator is still responsible for testing their end product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

IMPORTANT NOTE: In the event that these conditions cannot be met (for example certain laptop configurations or co-location with another transmitter), then the IC authorization is no longer considered valid and the IC No. cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate IC authorization.

20cm minimum distance has to be able to be maintained between the antenna and the users for the host this module is integrated into. Under such configuration, the FCC radiation exposure limits set forth for an population/uncontrolled environment can be satisfied.

USERS MANUAL OF THE END PRODUCT:

In the users manual of the end product, the end user has to be informed to keep at least 20cm separation with the antenna while this end product is installed and operated. The end user has to be informed that the FCC radio-frequency exposure guidelines for an uncontrolled environment can be satisfied. The end user has to also be informed that any changes or modifications not expressly approved by the manufacturer could void the user's

authority to operate this equipment. If the size of the end product is smaller than 8x10cm, then additional FCC part 15.19 statement is required to be available in the users manual: This device complies with Part 15 of 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.

LABEL OF THE END PRODUCT:

The final end product must be labeled in a visible area with the following " Contains TX FCC ID: NLFGUBTC41M " and "Contains TX IC: 4023A-GUBTC41M".

If the size of the end product is larger than 8x10cm, then the following FCC part 15.19 statement has to also be available on the label: This device complies with Part 15 of 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.