Bluetooth Module
User's Guide

Federal Communications Commission (FCC) Requirements

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 :

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

This Transmitter must not be colocated or operating in conjunction with any other antenna or transmitter. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

End Product Labeling

This transmitter module is authorized only for use in devices where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The final end product must be labeled in visible area with the following:

<p style="text-align:center">"**Contains FCC ID:　XEH-BTA3011M01** "</p>

End Product Manual Information

The user manual for end users must include the following information in a prominent location "IMPORTANT NOTE: To comply with FCC RF exposure compliance requir

ements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be colocated or operating in conjunction with any other antenna or transmitter."

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.

IMPORTANT NOTE:

In the event that these conditions can not be met (for example certain laptop configurations or colocation with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for reevaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

This device is intended only for OEM integrators under the following conditions: The antenna must be installed such that 20 cm is maintained between the antenna and users. As long as a condition above is met, further transmitter test will not be required. However, the 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.).

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February 2009

Getting Started

This chapter describes how to install, uninstall, launch, and use the Bluetooth Suite.

The following major topics are covered in this chapter:

- ■ "Installing the Bluetooth Suite"
- ■ "Launching the Bluetooth Suite"
- ■ "Introduction to the Bluetooth Suite"
- ■ "Uninstalling the Bluetooth Suite"

Installing the Bluetooth Suite

You either received a password from Atheros to download the Bluetooth Suite software from the Atheros web site or received the Bluetooth Suite on a CD.

NOTE: If you are installing Bluetooth Suite on a machine that already has an existing Bluetooth Suite, you need not uninstall it because Bluetooth Suite supports the upgrade feature. If you need to uninstall Bluetooth Suite, refer to "Uninstalling the Bluetooth Suite" on page 2-10 on how to uninstall Bluetooth Suite.

Software installation is a three-step process and it is important to perform these steps before you can use the Bluetooth Suite:

1. Installing the Bluetooth Suite

2. Installing the radio (profile) drivers

3. Updating the drivers

All these steps are explained in the installation process.

Downloading the Bluetooth Suite

1. Got to the Atheros Support web site:

    https://support.atheros.com/

2. Login to the web site using your user name and password provided by Atheros Support.

3. Go to the **AR3011 Software Package & Documentation** tab of the Atheros web site.

4. Download the appropriate Bluetooth Suite release, extract the files, and save them on your system.

5. Install the Bluetooth Suite by double-clicking on the Bluetooth Suite `setup.exe` file.

    Follow the rest of the installation procedure described in "Copying Bluetooth Suite from the CD" on page 2-2.

Copying Bluetooth Suite from the CD

1. Insert the CD containing the Bluetooth Suite into the CD drive.

2. Double Click on the Bluetooth Suite `setup.exe` file.

    The InstallShield Wizard starts to prepare the package for installation. The **Welcome to InstallShield Wizard for** Bluetooth Suite screen (see Figure 2-1) is displayed.

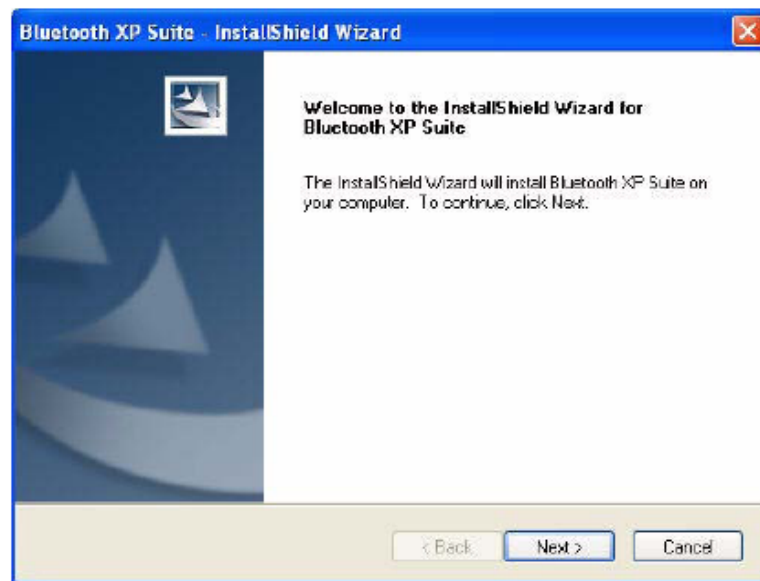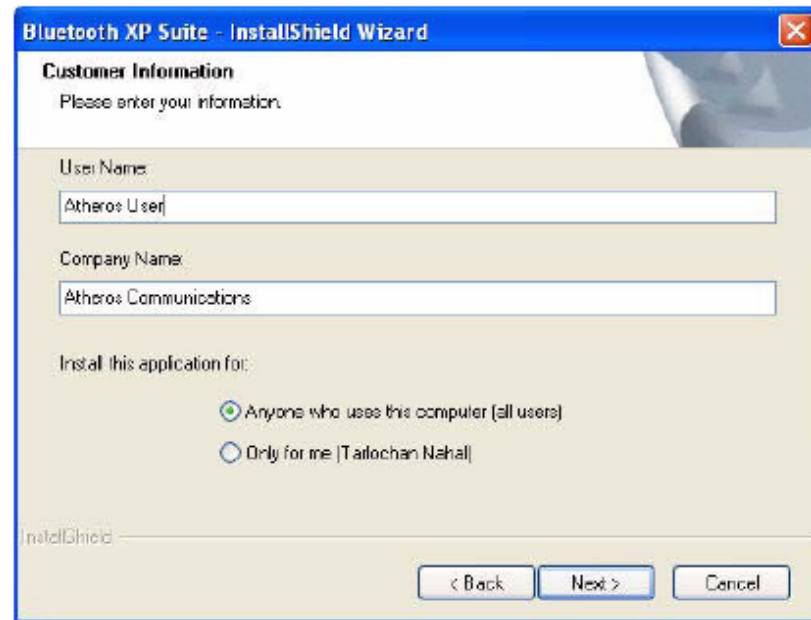*Figure 2-1.* **Bluetooth Suite - Welcome Screen**

3. Click Next.

You will see the **Customer Information** screen. See Figure 2-2.

Figure 2-2. **Bluetooth Suite Customer Information Screen**

4. Enter the user name and company name and choose the intended user of this application - "**Anyone who uses this computer (all users)**" or "**Only for me**" and click Next.

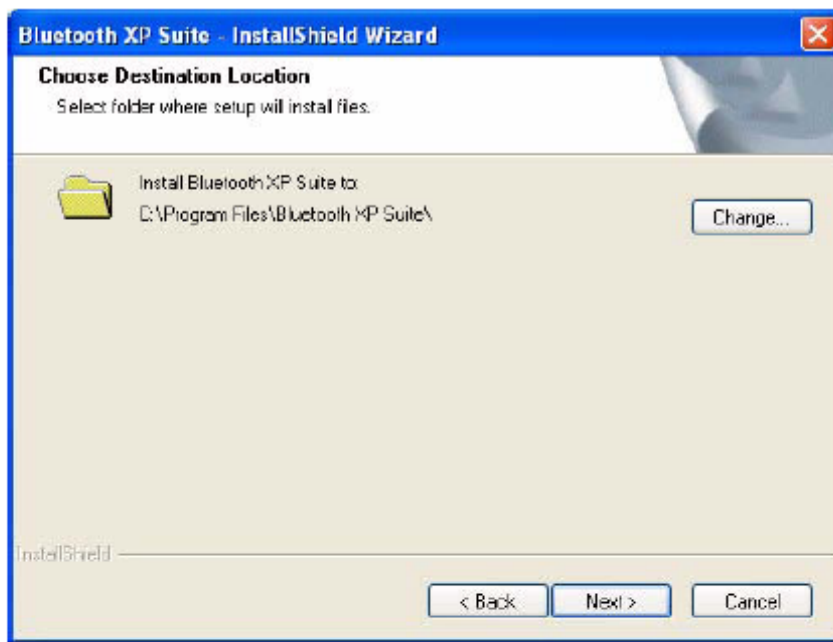You will see Choose Destination Location screen. See Figure 2-3.

Figure 2-3. **Bluetooth Suite Choose Destination Location**

5. The default destination location is already selected. Click Change to browse to a different destination.

6. Click **Next**.

    You will see **Start Copying Files** screen that displays the current settings including user information, setup type, and destination directory. This allows you to review and modify the setup information. See Figure 2-4.
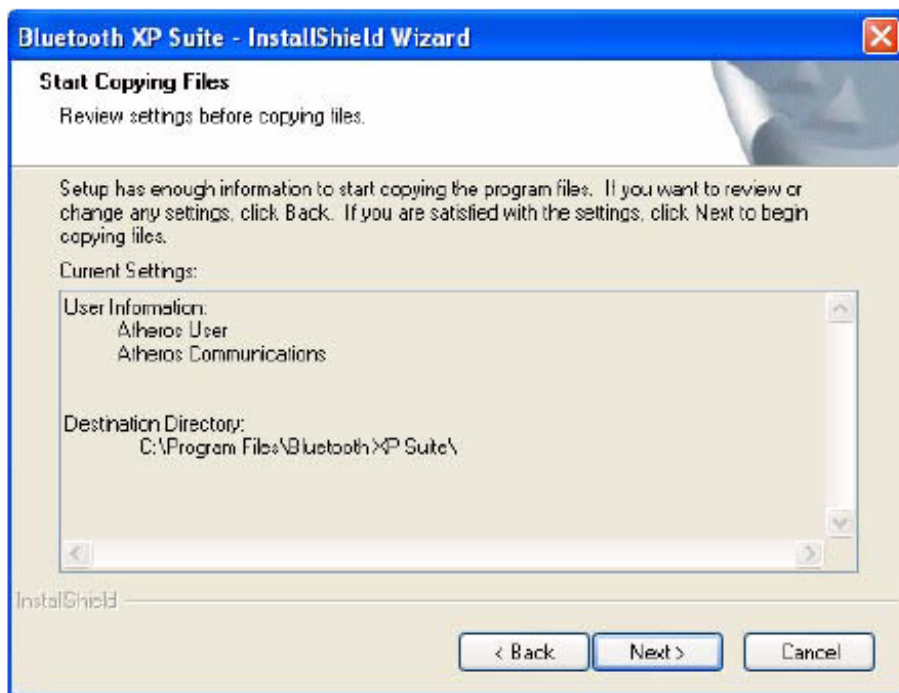
Figure 2-4. **Bluetooth Suite - Start Copying Screen**

7. Click **Next**.

   Bluetooth Suite Suite begins to configure and copy the new software. It also removes any backup files. When the Bluetooth Suite installation is complete, you will see the Finish screen. See Figure 2-5.
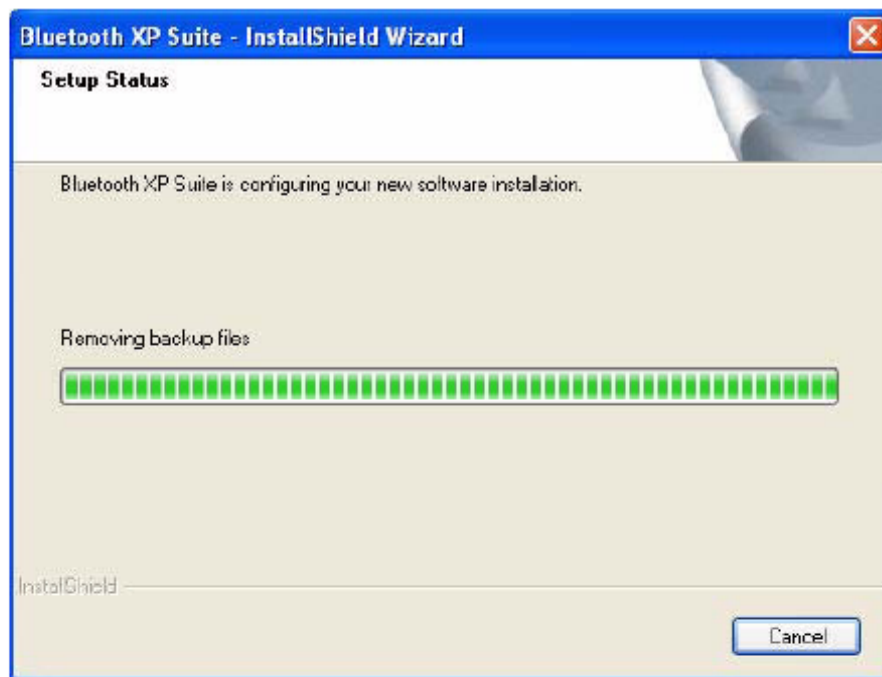
Figure 2-5. **Bluetooth Suite - Installation Setup Status**

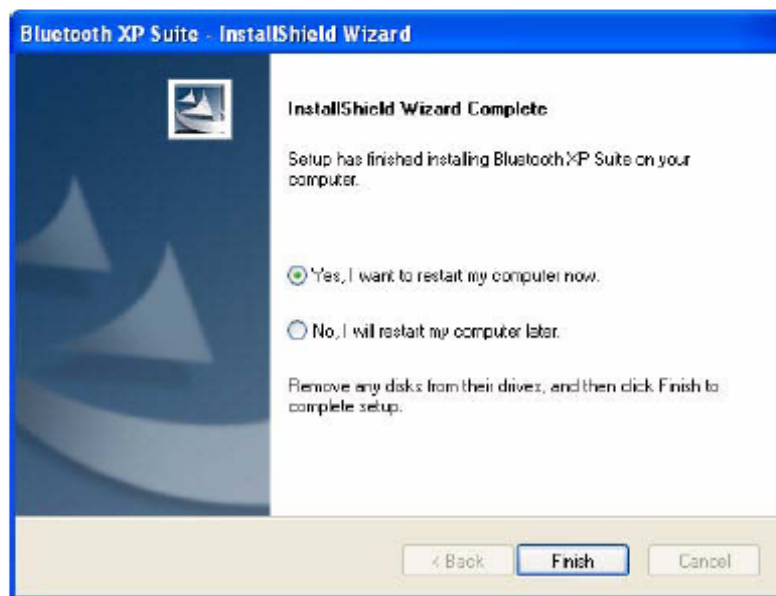8. When prompted to restart your computer, select **Yes, I want to restart my computer now** option and click **Finish**.

Figure 2-6. **Bluetooth Suite - Finishing the Installation**

The installation is complete. This process creates a 'Launch Bluetooth Suite' shortcut on your desktop.

Now you are ready to run Bluetooth Suite.

Launching the Bluetooth Suite

1. Insert the Bluetooth Suite USB device into the USB port of your system.

NOTE: You can insert the Bluetooth Suite USB device in any USB port. You might see Found New Hardware message.

2. Double click on the **Bluetooth Suite** icon on your desktop or choose **start > All Programs > Bluetooth Suite > Launch Bluetooth Suite.**

It displays the blank Atheros Bluetooth **Suite** screen.

NOTE: If no Bluetooth devices are found within range, it is normal for new installation. Bluetooth Suite screen does not display such devices when launched for the first time. You need to click on the Discovery button the top left pane of the window to see all the Bluetooth devices in range. See Figure 2-7.

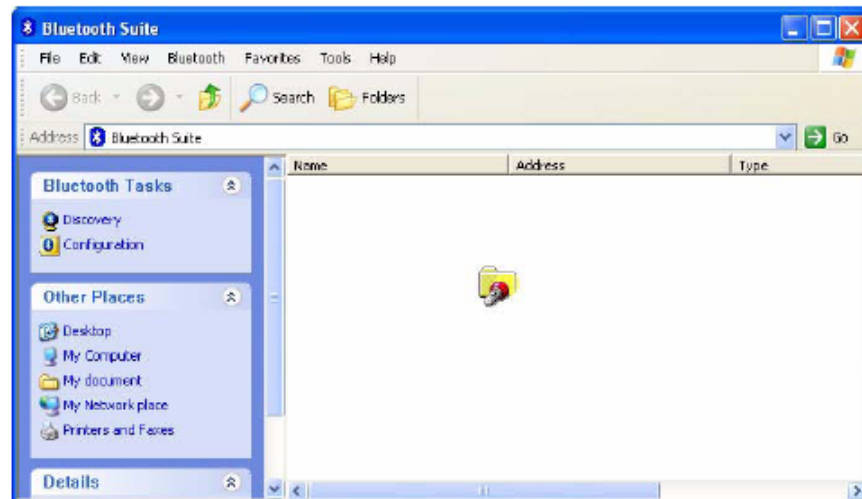*Figure 2-7.* Bluetooth Suite Startup Screen During Discovery

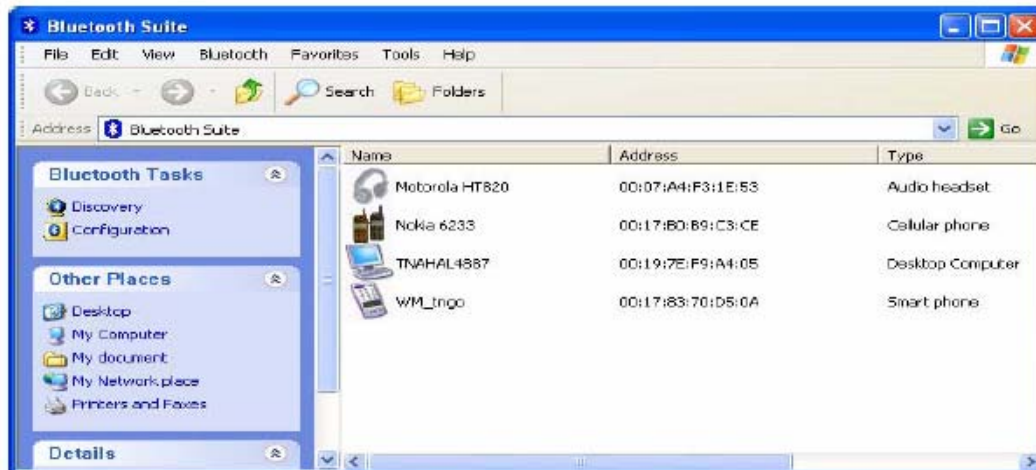When the Bluetooth Suite finds devices in range, it displays them. See Figure 2-8.

Figure 2-8. **Discovered Bluetooth Devices**

NOTE: Trusted remote devices will show Paired status in Device list, and Connected remote devices will show Connected status in Device list. Other devices will display Inrange status.

Introduction to the Bluetooth Suite

Now that you have successfully launched the Bluetooth Suite, spend few minutes in getting to know your Bluetooth Suite. The following few pages explain various features and components associated with the Bluetooth Suite GUI.

The My **Bluetooth Suite** is the main screen that consists of three major parts:

- Menu bar

- Bluetooth Tasks area

- Bluetooth devices along with their IP addresses and types are displayed on the right pane.

In addition, there is a Bluetooth Suite Tray which allows you to launch the Bluetooth Suite.

Menu Bar

Bluetooth menu is the primary menu on the **Atheros Bluetooth places** screen. The options associated with this menu are:

- Search for Device

- Bluetooth Configuration

- Bluetooth Help Topics

- Bluetooth Exchange Folder

- About Bluetooth

NOTE: Some of these functions are available from the Bluetooth Suite Tray.

These options are described below in detail.

Search For Device

Clicking this button begins to search for remote Bluetooth devices in range. Found devices will displayed in right pane.

Bluetooth Configuration

Clicking on the Configuration menu option displays the Bluetooth Suite Configuration screen which allows you to specify Bluetooth Suite tasks and settings associated with Bluetooth device recovery and device filters. This function is also available through the toolbar. Nine configuration screens are associated with Bluetooth Suite. Those screens are:

- Bluetooth Suite Settings

- Local Device

- Bluetooth Security

- Profile Manager

- Shared Folders

- Object Push

- Audio

- Basic Imaging

- Personal Area Networking

- Fax Server Configuration

- Sync

These options are described in detail in Chapter 3.

Bluetooth Help Topics

Click this button to display any help topics.

Bluetooth Exchange Folder

Clicking this button to display the content of Bluetooth exchange folder. From Atheros Bluetooth place window, choose **Bluetooth->Bluetooth Exchange Folder** to access Exchange share folder for Object Push feature.

Bluetooth Places Pane

When you launch the Bluetooth Suite, various bluetooth devices in the Bluetooth neighborhood are listed on the right pane. These typically consist of audio devices, computers (both laptop and desktop), phones, peripheral devices such as Fax, printer, mouse, headset, and imaging devices. If any of these devices are discovered, they are listed on the right window pane. For example, if a Bluetooth mouse is discovered in the Bluetooth neighborhood, it is shown as peripheral pointing device, its brand name, address, and service status (in range, paired, connected or disconnected).

You can select a device and right mouse click button to select the following:

- Name discovery

- Delete

- Pair

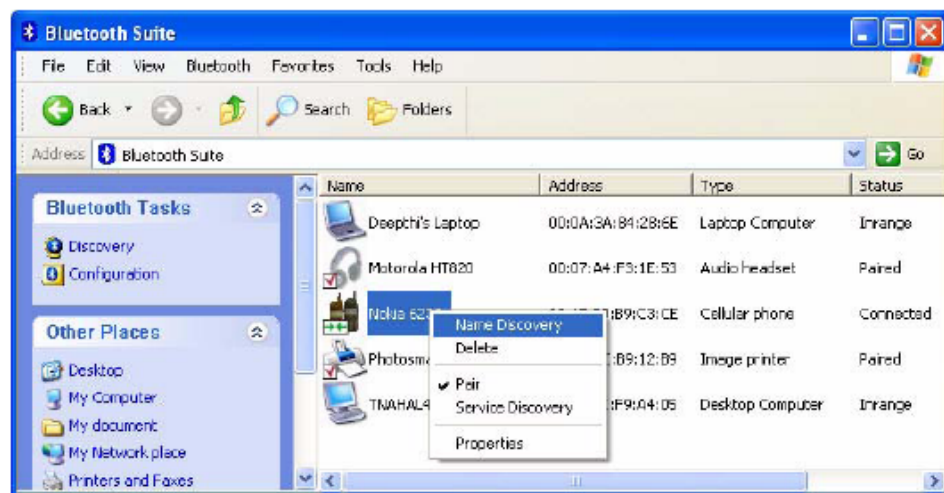- Service Discovery

- Properties

See Figure 2-9 for details.

Figure 2-9. **Bluetooth Places Device Options**

Uninstalling the Bluetooth Suite

Anytime you install a new version of Bluetooth Suite, you need to uninstall any exisiting version of the Bluetooth Suite. Follow this procedure to uninstall the Bluetooth Suite.

1. Make sure the Bluetooth dongle is removed from any system USB port.

2. Choose **start > All Programs > Bluetooth Suite > Uninstall Bluetooth Suite.**

   THe system prepares for uninstallation. A screen is briefly displayed tha shows that it is ready to uninstall the program.

   You will see another screen that prompts you to completely remove the application and all of its features. See Figure 2-10.

Figure 2-10. **Bluetooth Suite Uninstallation Prompt**

3. Click **Yes**.

   You will see a Setup Status screen showing that application is being removed followed by another screen showing Uninstall Complete. See Figure 2-11
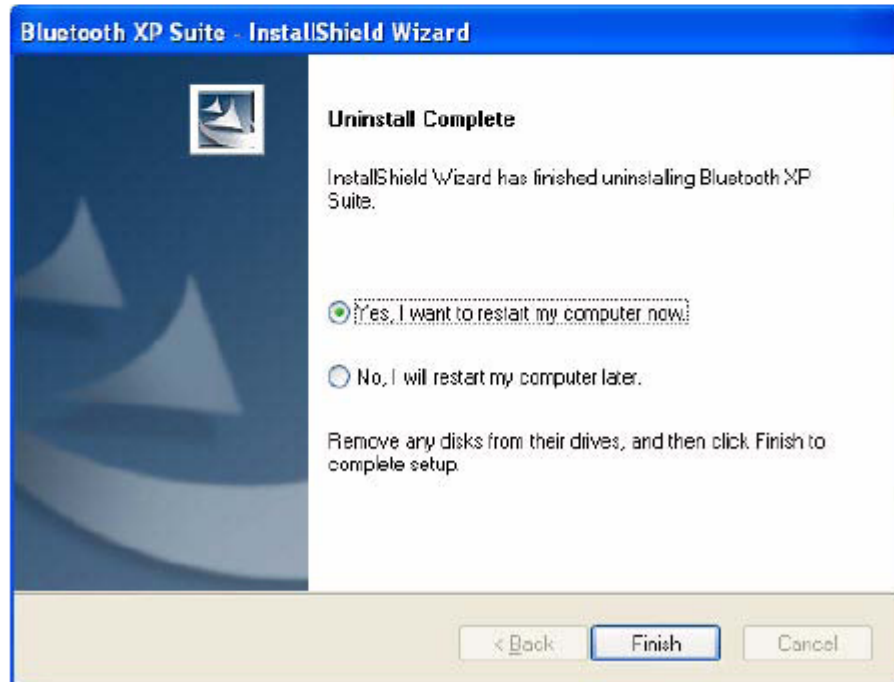

Figure 2-11. **Finishing Bluetooth Suite Uninstallation**

4. Click **Yes, I want to restart my computer now.**

5. Click **Finish**.

   The uninstall is complete. You are ready to reinstall the Bluetooth Suite.