



Getting Started Guide

MERCURY™

Mercury Functional Testing for Wireless

Getting Started Guide

Version 8.3

Mercury Functional Testing for Wireless Getting Started Guide, Version 8.3

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Introduction

This document tells you how to install Mercury Functional Testing for Wireless and use it to control and test a Symbian OS based smartphone or Windows Mobile device.

This document does not describe all of the Mercury Functional Testing for Wireless features, but gives you an introduction to what Mercury Functional Testing for Wireless can do, how you use Mercury Functional Testing for Wireless, and how you set up devices to be controlled by Mercury Functional Testing for Wireless. You can then read other Mercury Functional Testing for Wireless documentation, such as the installation guide and online help, to learn more.

Mercury Functional Testing for Wireless Overview

Mercury Functional Testing for Wireless is a Windows application that enables you to control and test Symbian OS-based smartphone and Windows Mobile devices.

Mercury Functional Testing for Wireless requires you to install some agent software on devices that you want to test. Mercury Functional Testing for Wireless provides you with a file that you need to install and run on the device. There are different versions of the file for different device models. This guide shows you how to install and run the software on a Nokia 6630 device.

Requirements and Assumptions

To keep procedures as simple as possible for a new Mercury Functional Testing for Wireless user, this guide makes several assumptions in addition to the usual Mercury Functional Testing for Wireless requirements. For example, this guide assumes that you are familiar with Bluetooth smartphone devices and do not need instructions for enabling Bluetooth and making a device visible to other devices. The Mercury Functional Testing for Wireless Installation Guide provides full procedures, so you can refer to that document for a particular task, if required.

<p>Computer Hardware and Software</p>	<p>Mercury Functional Testing for Wireless requires Microsoft Windows 2000 or Microsoft Windows XP Professional.</p> <p>You must log in using an account with administrator rights to run the Mercury Functional Testing for Wireless installation.</p> <p>The computer needs 20Mb of available disk space for the Mercury Functional Testing for Wireless installation. Further disk space may be required for event logging and screen captures.</p> <p>The computer needs a 16Mb video adaptor, a minimum resolution of 1280x1084, and 32 bit colour. Do not use large fonts.</p> <p>For the purposes of this guide, please use a system that has no previous installation of this software, and no smartphone PC suites.</p>
<p>Connectivity</p>	<p>Mercury Functional Testing for Wireless can connect to devices using Bluetooth, Infrared, USB, and serial cable connections.</p> <p>Mercury recommends that you use TDK Systems Bluetooth, and that you set up Bluetooth before installing Mercury Functional Testing for Wireless.</p> <p>For the purposes of this guide, please set up TDK Systems Bluetooth on your computer, as described by its documentation.</p> <p>There is one non-default Bluetooth setting that you need to configure for Mercury Functional Testing for Wireless, and this guide explains what you need to do.</p>
<p>Smartphone devices</p>	<p>Mercury Functional Testing for Wireless currently supports the following:</p> <p>Symbian OS</p> <ul style="list-style-type: none"> • S60 2.6 - Nokia 6260, 6630, 6680, 6681, 6670, 3230, 7610 • S60 3.0 - Nokia E50 E60, E61, E62, E70 N80 N91 • UIQ 3.0 - Sony Ericsson P990, M600, W950 <p>Windows Mobile</p> <ul style="list-style-type: none"> • 2003 2nd Edition - Qtek 2020i • Mobile 5.0 - HP 6915 <p>Other devices within the same families supported may be able to be configured to work. Extra effort is required in defining their layouts and identification information.</p> <p>This guide explains how to install agent software on a device so that Mercury Functional Testing for Wireless can control it, and how to remove any previous version.</p> <p>For the purposes of this guide, please use a Series 60 device with Bluetooth enabled and visible to other devices.</p>

Getting Started

This guide will help you:

1. Configure the non-default Bluetooth setting that Mercury Functional Testing for Wireless requires.
2. Use Bluetooth to pair your computer with the device.
3. Install Mercury Functional Testing for Wireless on a computer.
4. Start Mercury Functional Testing for Wireless on the computer.
5. Install agent software on a Series 60 device that you want to control.
6. Start the agent software on the device.
7. Understand the main features of the Mercury Functional Testing for Wireless application.

It will then tell you how to use Mercury Functional Testing for Wireless to:

1. Connect to a device
2. Select a target device
3. View and control applications on the target device

Finally, this guide will refer you to other documentation for more detailed information about Mercury Functional Testing for Wireless and related components.

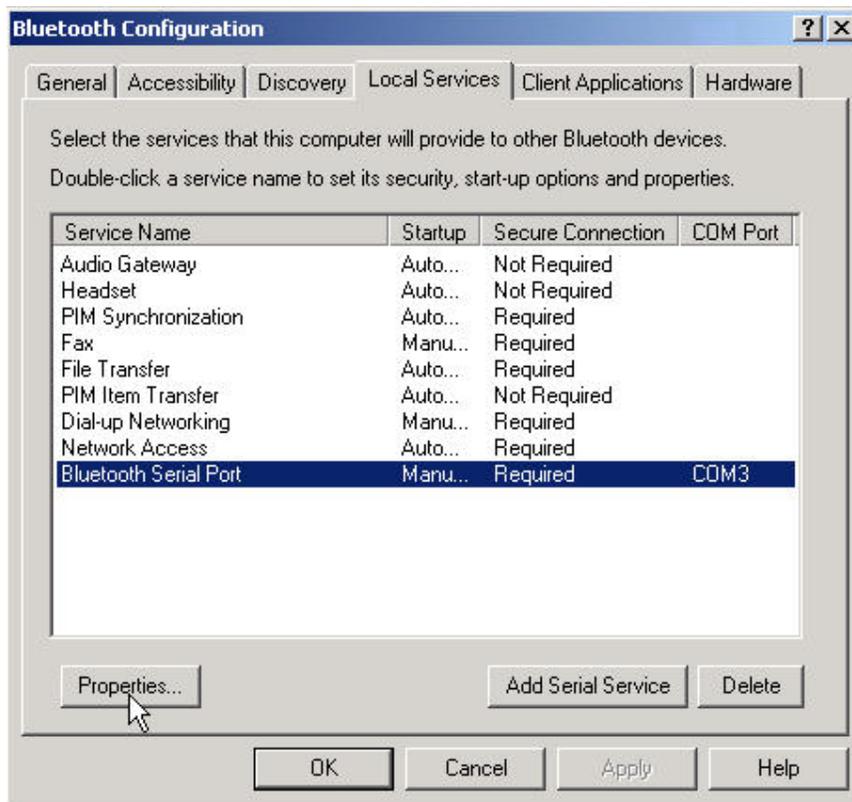
Configuring Bluetooth for Mercury Functional Testing for Wireless

This guide assumes that you have installed TDK Systems Bluetooth on the system that you are going to use for Mercury Functional Testing for Wireless. There is one setting that you need to change from its default value before you install Mercury Functional Testing for Wireless, as follows:

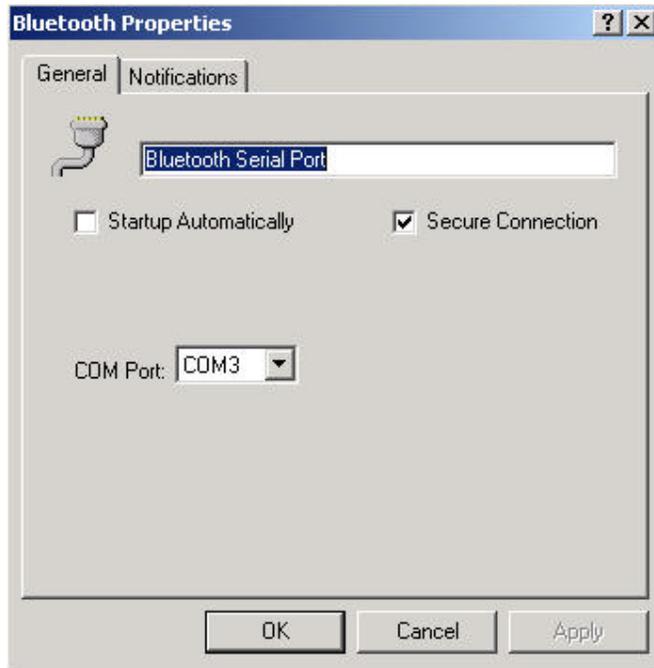
1. Right-click the Bluetooth icon on the desktop taskbar, and select **Advanced Configuration**.



2. Go to the Local Services tab of the configuration dialog box.
3. Select **Bluetooth Serial Port** from the list of services, and click **Properties...**



4. On the Properties dialog, make sure that the **Startup Automatically** option is not selected.



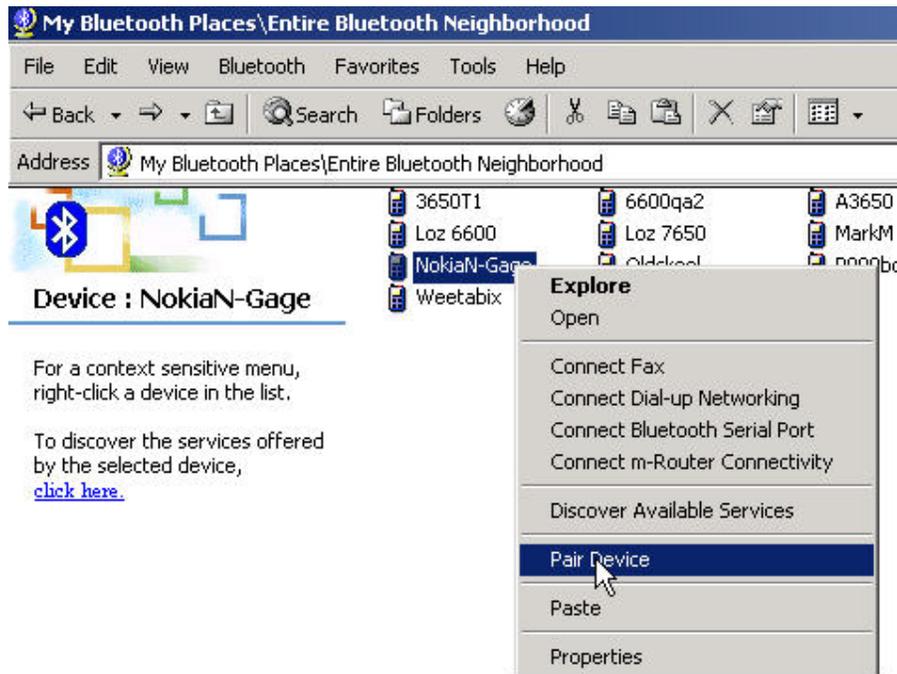
5. Click **OK** to save the properties.
6. Click **OK** on the Configuration dialog.

If the **Startup Automatically** option is selected when Mercury Functional Testing for Wireless runs, Mercury Functional Testing for Wireless will prompt you for permission to change the setting to manual, and then ask you to reboot your computer. Mercury Functional Testing for Wireless cannot handle connections with devices correctly if you do not clear the **Startup Automatically** option.

Using Bluetooth to Pair Your PC with the Device

Pair your computer and the device, as follows:

1. On your computer, use Windows Explorer to explore **My Bluetooth Places\Entire Bluetooth Neighborhood**.
2. Right-click on your Series 60 device and select **Pair Device** from the popup menu.



3. The Bluetooth PIN Code Request screen appears, requiring you to specify a PIN code.



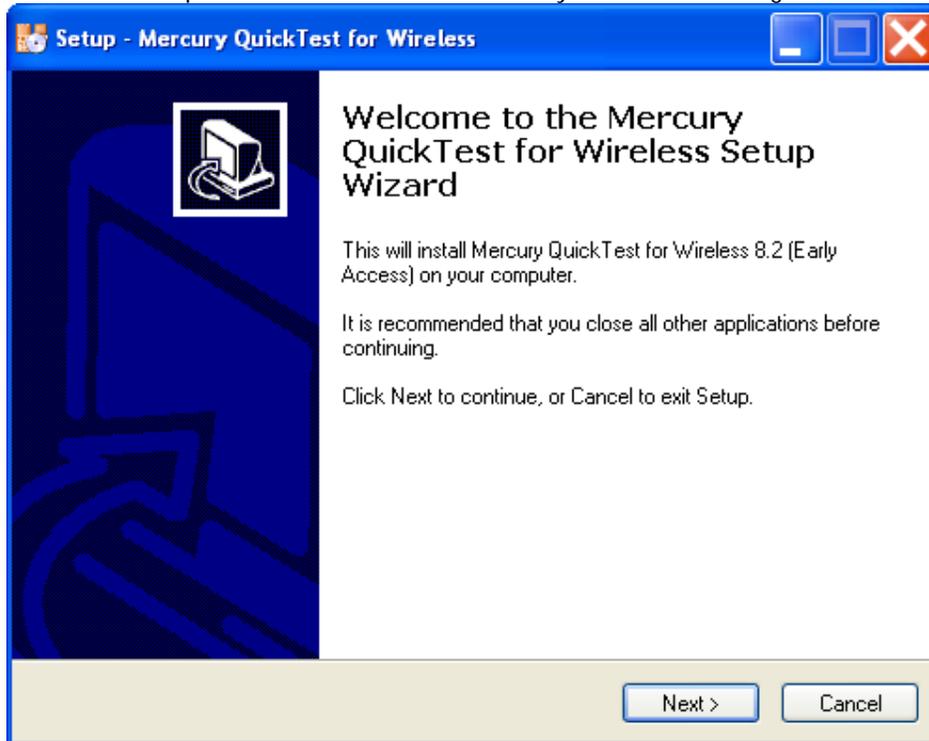
4. Specify a PIN code and click OK.
5. The Series 60 device prompts you to specify the PIN code too. Do so, and the pairing is complete.

Your device is now ready to accept Bluetooth connections from your computer.

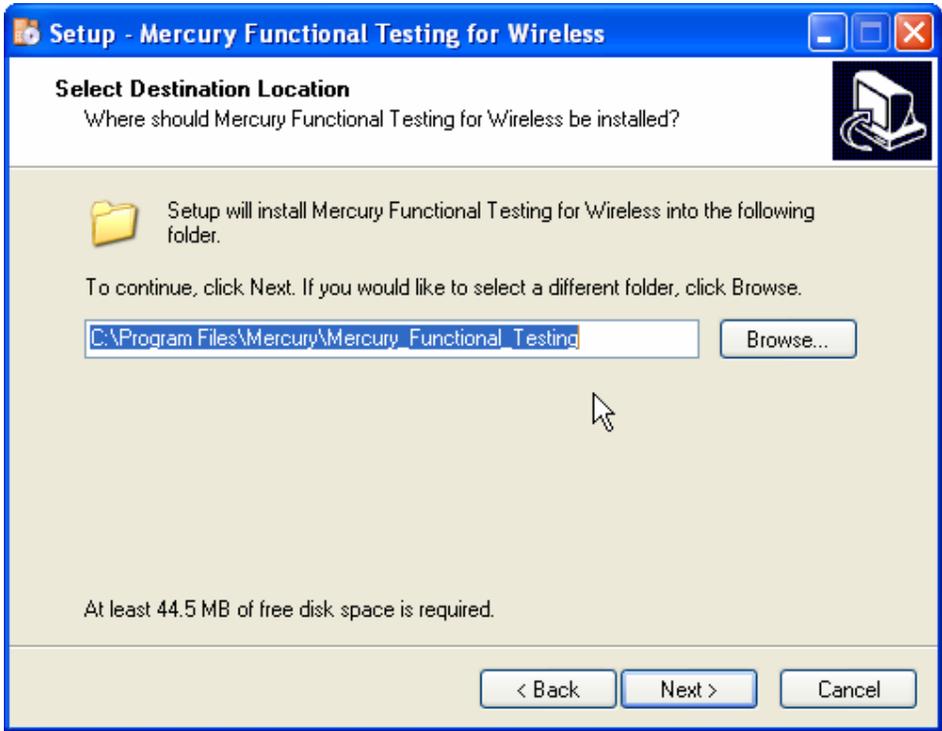
Installing Mercury Functional Testing for Wireless on a Computer

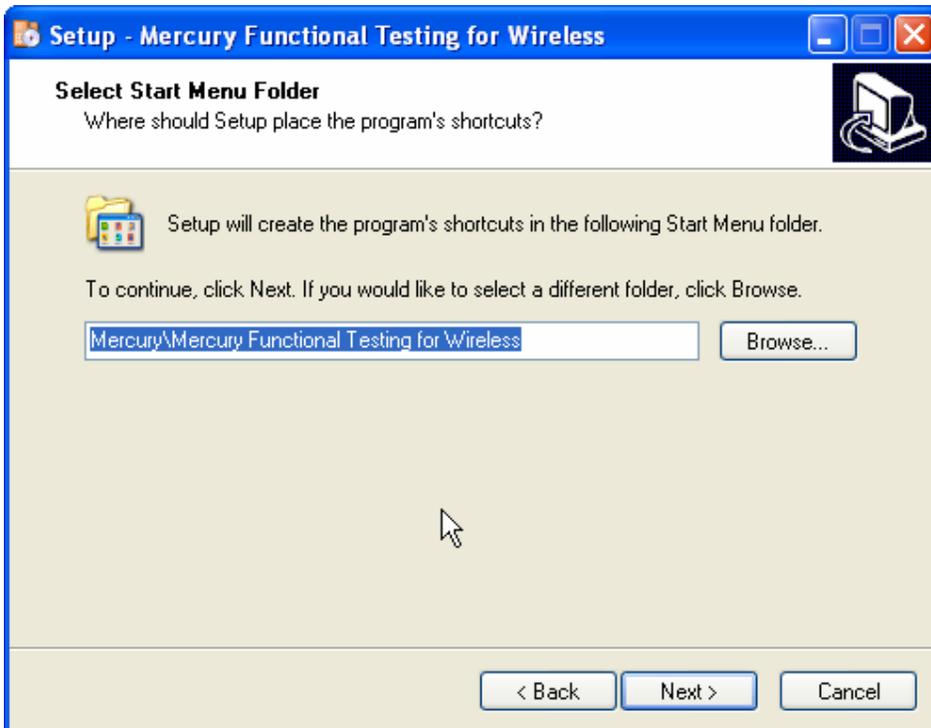
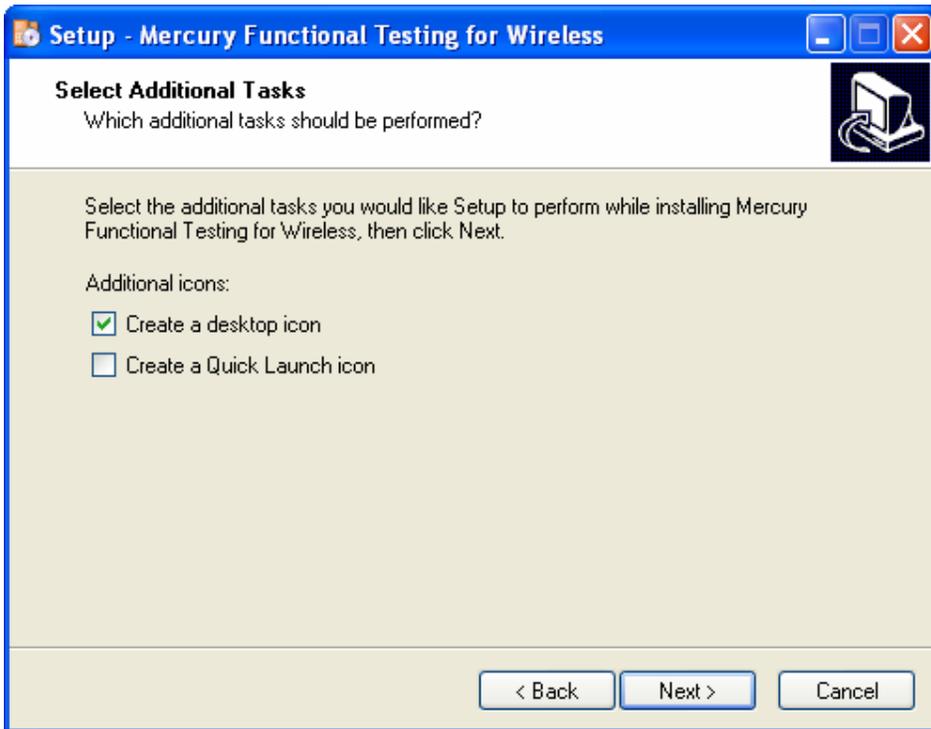
To install Mercury Functional Testing for Wireless:

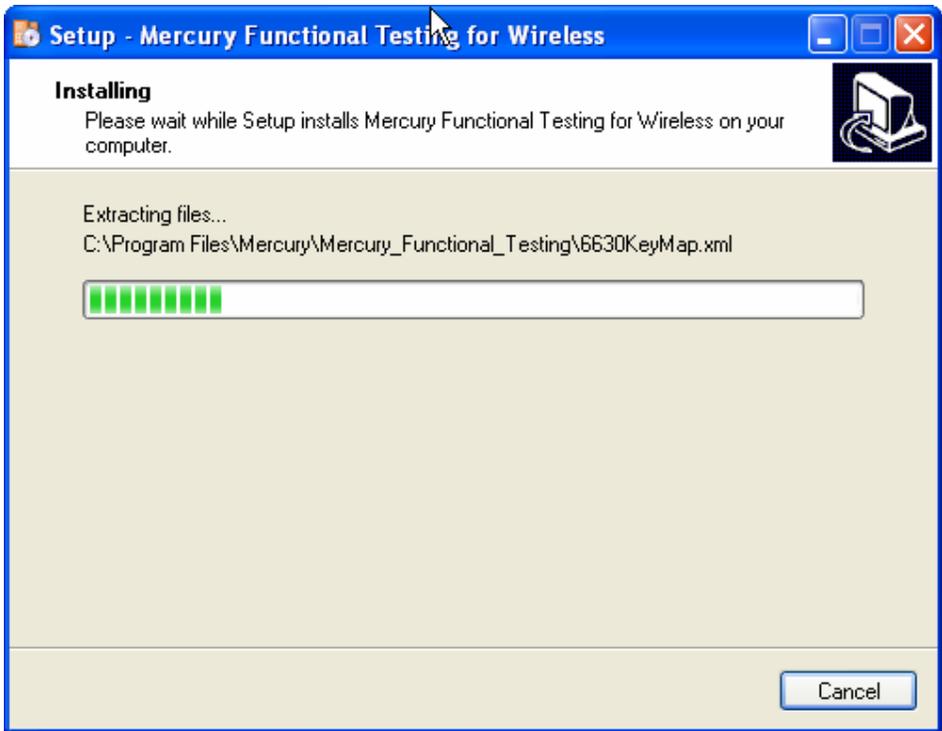
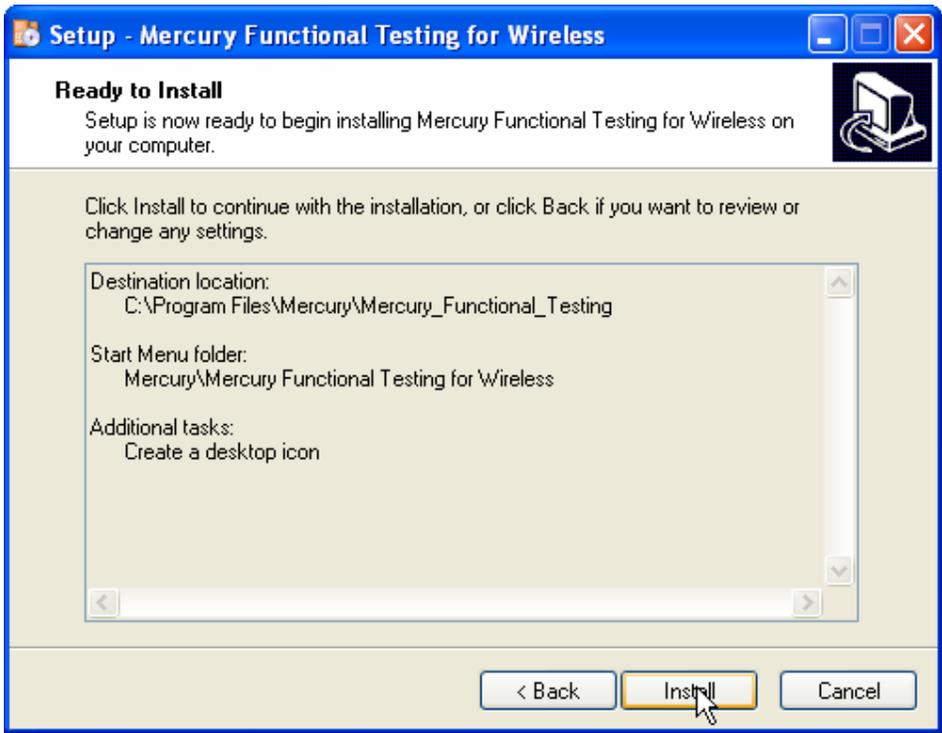
1. Choose a computer that meets the requirements of Mercury Functional Testing for Wireless, with Bluetooth services.
2. Login to an account with administrator rights.
3. Use Windows Explorer to find and run the Mercury Functional Testing for Wireless setup.exe.



4. Work through the installation procedure, accepting the license agreement and all default options, and restart the computer when prompted.







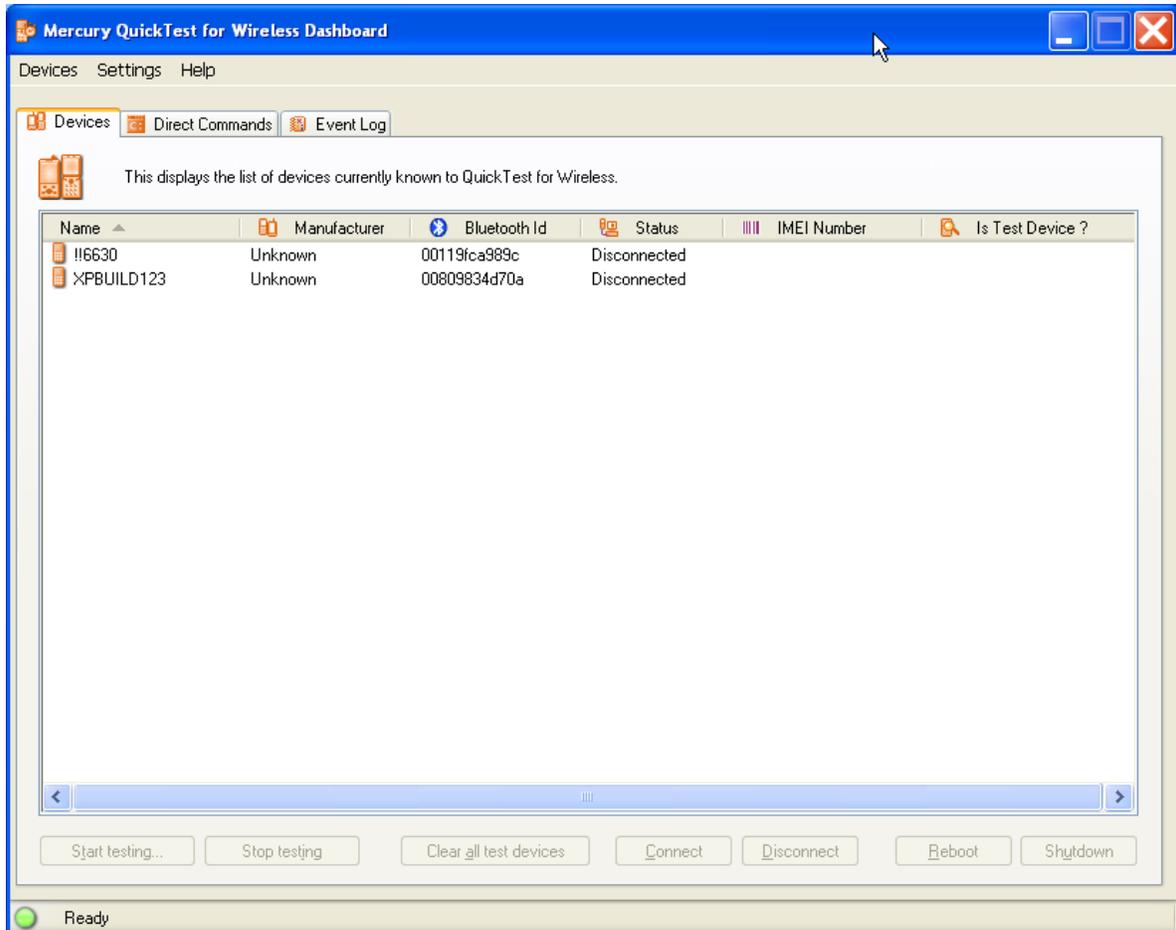
After you install Mercury Functional Testing for Wireless, the Mercury Functional Testing for Wireless icon  appears in the Start menu and as a Desktop shortcut.

Mercury Functional Testing for Wireless automatically installs m-Router, which is the component that enables connectivity between Mercury Functional Testing for Wireless and the devices it is to test. The m-Router icon  appears in the system tray and as a Desktop shortcut.

Starting Mercury Functional Testing for Wireless on a Computer

To start Mercury Functional Testing for Wireless, use its icon, its Desktop shortcut, or select **Start > Programs > Mercury > Mercury Functional Testing for Wireless**.

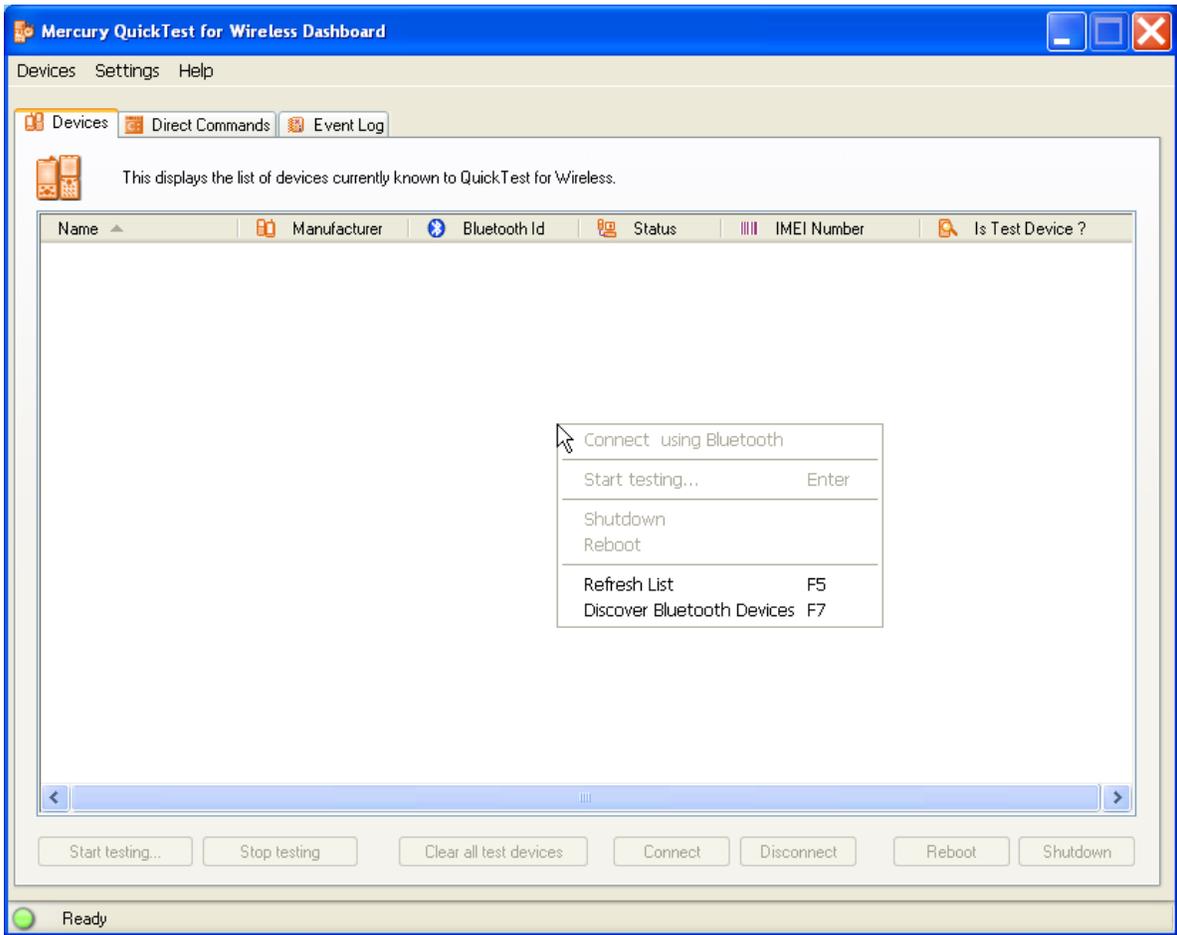
The Mercury Functional Testing for Wireless application appears and automatically starts searching for devices. It should detect and display your Series 60 device, along with any other Bluetooth devices within range.



Note: If you did not [configure Bluetooth](#) correctly, you will see a dialog box asking you whether to set a Bluetooth startup option and reboot the system. If so, click **Yes** and wait for the system to reboot before starting Mercury Functional Testing for Wireless again and resuming this procedure.

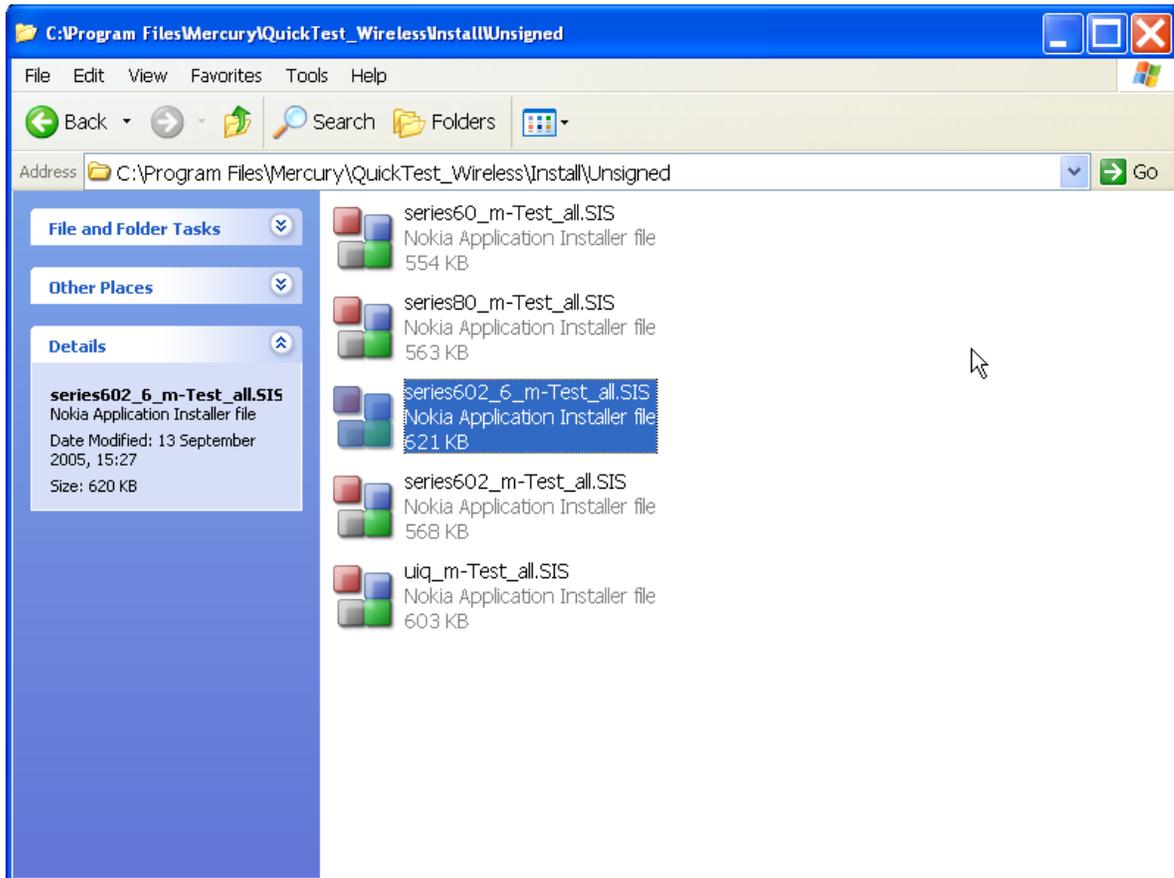
Although Mercury Functional Testing for Wireless can detect and display your Series 60 device, you cannot connect to it yet because you need to install and run some software on the device, as described in the following sections.

If Mercury Functional Testing for Wireless does not detect your device, make sure the device is switched on and that Bluetooth is enabled and set to make the device visible to other devices. Then right-click on the Mercury Functional Testing for Wireless **Known Devices** panel and select **Discover Bluetooth Devices** from the popup menu.



Installing Agent Software on a Smartphone device

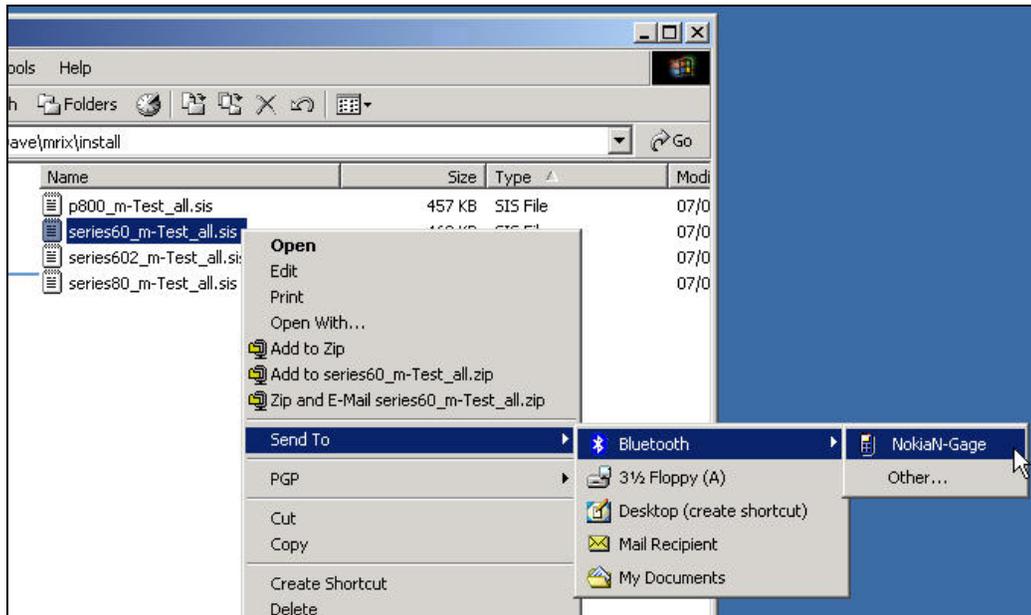
The Mercury Functional Testing for Wireless installation provides a set of installation files for various models of smartphone devices. You need to copy the file for a Series 60 device to your device, and install it as follows:



1. Use Windows Explorer to browse to the install folder that, by default, is created by the Mercury Functional Testing for Wireless installation in C:\Program Files\Mercury\Mercury_Functional_Testing\Install directory.

The folder contains a set of files to support different models of smartphone devices.

Right-click on the file appropriate to your device, and use the **Send To - Bluetooth** option to send the file to the device.



The process of sending the file to the device begins. The device prompts you to accept the incoming connection from your computer if the device has not been set to [automatically authorise connections](#) from your Mercury Functional Testing for Wireless system.



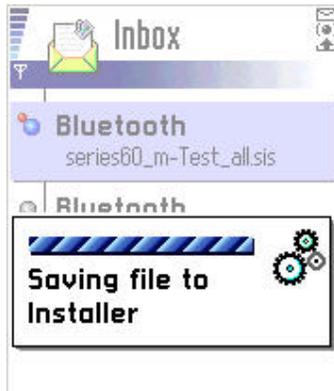
2. On the device, select Yes to accept the connection.

The file is copied into the device's Inbox, and the device prompts you to show the new item.



3. Select Show to open the file.

The device recognises the file as an installation file, and starts saving it to the installer.



The device asks whether to proceed with an installation from an unknown supplier.



4. Select Yes to continue.

The device asks whether to install mTestAll.



5. Select Yes to start the installation.

The installation begins, and the device displays a progress bar and then confirms that the installation is complete.

6. Reboot the device.

The agent software is running on the device, making it ready to accept commands from Mercury Functional Testing for Wireless. You are now ready to begin using Mercury Functional Testing for Wireless.

Next Steps

If you have completed all of the sections in this getting started guide, then you should have a basic installation of Mercury Functional Testing for Wireless.

To get the most out of Mercury Functional Testing for Wireless as a testing tool for smartphone devices, Mercury recommends that you use it in conjunction with Mercury QuickTest Professional, which enables you to record and automate tests.

To learn more about Mercury Functional Testing for Wireless and the capabilities not covered in this getting started guide, see the Mercury Functional Testing for Wireless User Guide.