

# **User's MANUAL**

EUT: High Power Bluetooth USB Adapter

Model No.: UBT1000H

FCC ID: MQ4UBT1KH

## FEDERAL COMMUNICATIONS COMMISSION

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.

### NOTE

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. 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.

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

**To comply with FCC RF exposure requirement, this device and its antenna must be co-located or operating in conjunction with any other antenna or transmitter.**

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## 1 Introduction

### 1.1 BLUETOOTH TRAY

The Bluetooth tray resides in the Windows system tray, which is normally located in the lower-right corner of the screen. The Bluetooth tray provides fast access to most Bluetooth operations.

**From the Bluetooth tray you can:**

- **Access My Bluetooth Places**—double-click the Bluetooth icon, or right-click the Bluetooth icon and then select Explore My Bluetooth Places.
- **Access the Bluetooth Setup Wizard.** This wizard will help you:
  - Configure how this computer accesses a service on another Bluetooth device
  - Locate remote Bluetooth devices
  - Configure the way that this computer provides services to remote Bluetooth devices
  - Set the name and type of this Bluetooth device, e.g., “John's PC” and “Desktop.”
- **Access the Bluetooth Configuration Panel**—right-click the Bluetooth icon, and then select Advanced Configuration.
- **Access the Quick Connect option**—right-click the Bluetooth icon, select Quick Connect, and then select the type of service to which you wish to connect.
- **Start/Stop Bluetooth on this computer.**

### 1.2 ACCESS MY BLUETOOTH PLACES

My Bluetooth Places is part of **Windows Explorer**.

There are *multiple ways* to access My Bluetooth Places:

- In the Windows system tray
  - Right-click the Bluetooth icon and select Explore My Bluetooth Places  
or
  - Double-click the Bluetooth icon
- On the desktop, double-click the Bluetooth icon
- Open Windows Explorer and select My Bluetooth Places in the Folders pane or from the Address shortcut menu.

### 1.3 ICONS USED FOR BLUETOOTH DEVICES AND SERVICES

Bluetooth icons provide at-a-glance feedback about a device or service's status by changing appearance.

The Bluetooth icon in the Windows system tray provides feedback about Bluetooth status.

Figure 1: Bluetooth Icon

Bluetooth Icon Indicates Bluetooth Status		
Enabled	Disabled	Connected
		
Blue with White	Blue with Red	Blue with Green

Figure 2: Device Icons for Windows 9x, Me and 2K





























































Device Icons for Windows 9x, Me and 2K			
Name	Normal	Connected	Paired
Audio Gateway			
Desktop			
Headset			
Human Interface Device			
Laptop			
Modem			
Network Access Point			
Personal Digital Assistant			
Printer			
Telephone			
Unknown			

Figure 3: Service Icons for Windows 9x, Me and 2K

Service Icons for Windows 9x, Me and 2K			
Name	Normal	Connected	Not Available*
Audio Gateway			
Dial-up Networking			
Fax			
Headset			
Network Access			
PIM Item Transfer			
PIM Synchronization			
Public Folder			
Serial Port			

\*Services may be unavailable because they are in use or because the necessary hardware is not installed.

Figure 4: Device Icons for Windows XP





























































Device Icons for Windows XP			
Name	Normal	Connected	Paired
Audio Gateway			
Desktop			
Headset			
Human Interface Device			
Laptop			
Modem			
Network Access Point			
Personal Digital Assistant			
Printer			
Telephone			
Unknown Device			

Figure 5: Service Icons for Windows XP

Service Icons for Windows XP			
Name	Normal	Connected	Not Available*
Audio Gateway			
Dial-up Networking			
Fax			
Headset			
Network Access			
PIM Item Transfer			
PIM Synchronization			
Public Folder			
Serial Port			

\*Services may be unavailable because they are in use or because the necessary hardware is not installed.



## 2 Basic Operations

### 2.1 START OR STOP BLUETOOTH

**To start Bluetooth:** in the Windows system tray, right-click the Bluetooth icon and select Start the Bluetooth Device. The Bluetooth icon is blue in color with a white insert when Bluetooth is running.

**To stop Bluetooth:** in the Windows system tray, right-click the Bluetooth icon and select Stop the Bluetooth Device. The Bluetooth icon is blue in color with a red insert when Bluetooth is stopped.

### 2.2 CREATE A CONNECTION FROM THE BLUETOOTH ICON IN THE SYSTEM TRAY

In the Windows system tray, right-click the Bluetooth icon, select Quick Connect and then the Bluetooth service that you wish to use.

If this computer has created a connection to the desired type of service in the past, the options on the shortcut menu are:

- The name(s) of any device(s) with which prior connections to this type of service have been established. Select a name from the list to re-establish connection.
- Other Devices... Select this option to search for additional devices that potentially provide the desired service, select a device from the list, and then click Connect.

If this computer has never created a connection to this type of service, the only option on the shortcut menu is "Find Devices..." Select this option to search for devices that potentially provide the desired service, select a device from the list, and then click Connect.

### 2.3 CREATE A CONNECTION USING THE BLUETOOTH SETUP WIZARD

- From the Folders pane of Windows Explorer, right-click My Bluetooth Places and select Bluetooth Setup Wizard  
or
- In Windows Explorer, with My Bluetooth Places selected, from the Bluetooth menu, select Bluetooth Setup Wizard  
or
- From the Windows system tray: right-click the Bluetooth icon and select Bluetooth Setup Wizard.

Follow the wizard's on-screen instructions.

### 2.4 CREATE A CONNECTION FROM ENTIRE BLUETOOTH NEIGHBORHOOD

From Windows Explorer:

- In the Folders pane, select Entire Bluetooth Neighborhood, right-click a device name and select "Connect ..." the desired service.  
or
- In the Folders pane, expand Entire Bluetooth Neighborhood, select a device, and then, in the right pane, right-click a service provided by that device and select "Connect to..."

**NOTE: Only available services are displayed in the menus.**

## 2.5 FIND BLUETOOTH DEVICES

**Search for Devices** looks for Bluetooth devices in the vicinity and displays the devices that it finds in My Bluetooth Places.

To start a search for devices, in the Folders pane of My Bluetooth Places, select Entire Bluetooth Neighborhood, and then, from the Bluetooth menu, select Search for Devices.

**NOTE: The Bluetooth menu is only visible when My Bluetooth Places is active.**

### 2.5.1 Periodic Search for Devices

Bluetooth can be configured to automatically search for devices on a regular basis (Bluetooth Configuration Panel > Discovery tab).

One of the advantages of Bluetooth is the mobility that the wireless connections allow. However, mobility means that devices may move in or out of connection range during the time between the automatic updates performed by Bluetooth. To be certain that the displayed list of devices in the neighborhood is current, or if automatic periodic inquiry is not enabled, force an update of the device list using the technique described in Search for Devices, above.

**Some devices within connection range may not show up in the list of devices found because:**

- Your device is configured to report only specific types or classes of devices (Bluetooth Configuration Panel > Discovery tab, on your device).
- The unlisted device is configured to be non-discoverable (Bluetooth Configuration Panel > Accessibility tab, on the un-listed device).

## 2.6 FIND A SERVICE

The process of determining the services that a device provides is called Service Discovery.

**To initiate a Service Discovery**, in the Folders pane of My Bluetooth Places, right-click a device name and select Discover Available Services from the shortcut menu.

Bluetooth services are those things that this computer can do for remote Bluetooth devices. For example, if this computer allows a remote Bluetooth device to send a fax using a fax modem that is physically attached to this computer, then this computer is providing the Bluetooth fax service.

Some services are hardware dependant; this computer cannot provide the fax service unless it has a physical fax modem, for example.

Some Bluetooth services use virtual "hardware." The Bluetooth Serial Port service, for example, does not use a physical port on this computer. Instead, it creates virtual serial ports that Windows applications can see and use as if they were actual physical ports.

Each Bluetooth service that this computer is capable of providing can be started automatically when Bluetooth starts. Each service can be setup to require security measures before allowing a remote Bluetooth device to connect.

Bluetooth services require a Bluetooth application on the remote device; services and applications usually have coinciding names; i.e., there is a Bluetooth Fax Service and a Bluetooth Fax Application.

### **The services supported by Bluetooth are:**

- Bluetooth Serial Port—a wireless connection between two devices. This connection can be used by applications as though a physical serial cable connected the devices.
- Dial-up Networking—allows a device to use a modem that is physically attached to another Bluetooth device.
- Fax—allows a device to send a fax using a remote Bluetooth cell phone, modem, or computer.
- File Transfer—allows a device to perform file system operations on another Bluetooth device; browse, open, copy, etc.
- Headset—allows a Bluetooth headset to be used as the audio input/output mechanism for another Bluetooth device, such as a computer or cell phone.
- PIM Item Transfer—allows two Bluetooth devices to exchange Personal Information Manager data such as business cards, calendar items, email messages, and notes.
- PIM Synchronization—allows two Bluetooth devices to synchronize Personal Information Manager data.
- Network Access—allows a device to access a Local Area Network via a second Bluetooth device that is physically connected to the network or allows a remote device to become part of an ad hoc network provided by the Bluetooth server.
- Audio Gateway—allows the microphone/speakers on Bluetooth device (typically a computer) to be used as the audio input/output mechanism for a remote Bluetooth device, such as a cell phone.

All Bluetooth servers do not necessarily provide all of these services. For example, network gateways may provide only the Network Access service.

## 2.7 BLUETOOTH CONNECTION STATUS

The Bluetooth Connection Status dialog box displays information about the state of a connection and provides a means to disconnect an active connection.

**Display the Connection Status dialog box:** in My Bluetooth Places, from the Folders pane, select a device, and then, in the right pane of My Bluetooth Places, right-click a service name and select Status from the shortcut menu.

**The Information provided is:**

- **Status:** "Connected" or "Not Connected"
- **Device Name:** the name of the device to which this computer is connected.
- **Duration:** the length of time that this connection has been established, displayed in hours, minutes and seconds. Depending on the service, the connection may time out (automatically disconnect) after a specific period of inactivity.
- **Activity:** the number of bytes sent and received over the connection.
- **Signal Strength:** a graphic indicator that ranges from Too Weak through Good to Too Strong.

**NOTE:** To change the power transmission level of this computer: from the Bluetooth Configuration Panel, Hardware tab, click the Advanced button, and then change the setting in the Maximum Power Transmission drop-down list. The Advanced button is not available in all countries.

**The controls in the Bluetooth Connection Status dialog box are**

- **Properties** button: displays the Bluetooth Properties dialog box for this connection.
- **Disconnect** button: closes this connection.
- **Close** button: closes the Bluetooth Connection Status dialog box.

## 2.8 SEND TO BLUETOOTH

This feature is used to send information to another Bluetooth device. Data types include:

- Files from Windows Explorer
- Documents from Microsoft Office applications, including:
  - Word
  - Excel
  - Access
  - PowerPoint.
- Microsoft Outlook items, including:
  - Contacts
  - Appointments
  - Tasks
  - Messages
  - Notes.

### To use Send to Bluetooth

1. In the application:
  - a) Windows Explorer—select one or more files to be transferred. Folders cannot be transferred.
  - b) Microsoft Office—only the document in the active window can be transferred.
  - c) Microsoft Outlook—select one or more items to be transferred.
2. From the application's File menu, select Send To, and then select Bluetooth from the shortcut menu.
3. Select a device from the shortcut menu to send the data  
or  
Select Other..., choose a device from the list, and then click OK to send the data.

## 3 Configure Bluetooth

### 3.1 ACCESS THE BLUETOOTH CONFIGURATION PANEL

The Bluetooth Configuration Panel provides access to settings for Bluetooth services, client applications, hardware, security, discovery, accessibility, default paths, event notification and other Bluetooth related items.

#### To Open the Bluetooth Configuration Panel

- From the Windows Control Panel, select Bluetooth Configuration or
- In the Windows System Tray, right-click the Bluetooth icon, and select Advanced Configuration from the shortcut menu.

### 3.2 BLUETOOTH SERVICES VERSUS BLUETOOTH APPLICATIONS

**Bluetooth Services** are services that this computer provides to remote Bluetooth devices. The Bluetooth services on this computer are referred to collectively in the Bluetooth configuration panel as "Local Services."

**Bluetooth Applications** are software applications on this computer that allow this computer to use the Bluetooth services that are provided by remote devices. The Bluetooth applications on this computer are referred to collectively in the Bluetooth configuration panel as "Client Applications."

Bluetooth Services and Bluetooth Applications usually have coinciding names; e.g., there is a File Transfer service and a File Transfer client application.

How this computer provides a service to remote devices is configured on the Local Services tab of the Bluetooth configuration panel.

How this computer uses a service that is provided by a remote device is configured on the Client Applications tab of the Bluetooth configuration panel.

### 3.3 BLUETOOTH EXCHANGE FOLDER

This is the highest-level directory on this computer to which a remote Bluetooth device has access.

Devices that have been granted access to this computer's Bluetooth Exchange Folder also have access to all sub-folders contained within that folder and all files in those sub-folders.

**NOTE:** The Bluetooth Exchange Folder is shared by the PIM Item Transfer and the File Transfer services and can be configured from the Properties page of either of those services. When the Bluetooth Exchange Folder is re-configured for either of these services, the other service will be updated to use the new location.

### 3.4 GENERAL CONFIGURATION SETTINGS

#### General Configuration Settings

The settings on the General tab of the Bluetooth Configuration Panel determine information that is displayed to remote devices.

##### Identity

- **Computer Name**-enter a unique name to identify this computer to other Bluetooth devices in the vicinity; this field cannot be left blank.
- **Computer type**-select either Desktop or Laptop from the shortcut menu to set the type of icon remote devices will use to represent this computer.

### 3.5 BLUETOOTH APPLICATIONS

#### 3.5.1 Overview

Some built-in Bluetooth applications provide full functionality for a specific task, such as locating other Bluetooth devices or synchronizing two Personal Information Managers.

Other built-in Bluetooth applications provide a way for standard Windows applications to accomplish their tasks wirelessly. For example, a Bluetooth application may create a wireless serial connection between computers or provide wireless access to the Internet.

##### The difference between Bluetooth Applications and Bluetooth Services

- **Bluetooth Applications** are software programs on this computer that allow this computer to use the Bluetooth services that are provided by other devices. In the Bluetooth configuration panel, these programs are referred to collectively as "Client Applications."
- **Bluetooth Services** are software programs on this computer that provide a service to other devices. In the Bluetooth configuration panel, these programs are referred to collectively as "Local Services."

**Note:** Client Applications and Local Services usually have coinciding names; e.g., there is a Fax service and a Fax application.

#### 3.5.2 General Configuration

All of the built-in Bluetooth applications allow you to rename the application and to require a secure connection when using the application.

##### To access the configuration properties page for a built-in Bluetooth application

- In the Windows system tray, right-click the Bluetooth icon and select Advanced Configuration from the shortcut menu  
or
- From the Windows control panel select Bluetooth Configuration  
or
- From Windows Explorer, right-click Entire Bluetooth Neighborhood and select Properties from the shortcut menu.

In the Bluetooth configuration panel, Client Applications tab, highlight the application to be configured, and then click Properties (or double-click the application).

### 3.5.3 Human Interface Device

#### Overview

The Human Interface Device (HID) Application allows this computer to wirelessly use one or more remote Bluetooth HID's as input/output devices.

For example, the HID Application allows this computer to use a Bluetooth keyboard and a Bluetooth mouse.

#### Create a Bluetooth HID connection

**NOTE:** Some HID's have multiple modes. Before establishing a connection, be sure the HID is in the desired mode. For example, in the case of an HID that can function as both a mouse and a laser pointer, be sure the mode switch is set to "Mouse" before attempting to connect.

Open a connection to a Bluetooth Human Interface Device using one of these techniques:

- From My Bluetooth Places
- Using the Bluetooth Setup Wizard

Once an HID connection is established, that connection will persist. If the computer is shut down, when the computer is turned on again the connection will re-establish automatically.

**NOTE:** HID's usually have a button, which is sometimes difficult to find, that must be pressed before other Bluetooth devices can locate the HID. Even after the button is pressed, the HID can only be discovered for a limited time, and then the button must be pressed again. The time period can be as short as 30 seconds or as long as 180 seconds. Read the documentation that accompanies the HID before you attempt to connect to the device.

#### Close an HID connection

Under normal circumstances, there is no reason to close an HID connection; once established the connection is maintained automatically, even during the power off and power on processes.

If, for some reason, the connection must be closed: from My Bluetooth Places, right-click the service name and select Disconnect.

When an HID connection is closed manually by the operator, the connection's "persistence" is broken. The connection must be re-established manually, after which the connection will again persist until broken manually.

#### Configure

No configuration is necessary.



### 3.5.4 Audio Gateway

#### Overview

The Audio Gateway Application allows a remote Bluetooth device to use this computer's microphone and speakers as the remote device's audio input and output devices.

#### Create a Bluetooth Audio Gateway connection

Open a connection to the Audio Gateway service that is provided by another Bluetooth device using one of these techniques:

- Windows system tray, Bluetooth icon
- From My Bluetooth Places
- Using the Bluetooth Setup Wizard

#### Close an audio gateway connection:

If the connection was established via the Bluetooth icon in the Windows system tray; click the Bluetooth icon, select Quick Connect, Audio Gateway and then select the device that is providing the service (active connections have a checkmark in front of them).

or

No matter how the connection was created, in My Bluetooth Places, right-click the service name and select Disconnect.

#### Configure

The Bluetooth Configuration Panel > Client Applications > Audio Gateway > General tab provides options to configure:

- The application name—to change it, highlight the existing name and enter the new name.
- Enable or disable secure connection. To enable secure connection, place a checkmark in the box.

### 3.5.5 Bluetooth Serial Port

#### Overview

The Bluetooth Serial Port application allows this computer to establish a wireless serial connection with a remote Bluetooth device.

The applications on both this computer and the remote device must be configured to send and receive data to and from the respective communications port (COM port) assigned to the Bluetooth serial port. The wireless serial connection may then be used by the applications as though a physical serial cable connected the devices.

#### Create a Bluetooth Serial Port connection

Establish a connection using one of these techniques

- Windows system tray, Bluetooth icon
- From My Bluetooth Places
- Using the Bluetooth Setup Wizard

#### Close a Bluetooth Serial Port connection

- If the connection was established via the Bluetooth icon in the Windows system tray; click the Bluetooth icon, select Quick Connect, Bluetooth Serial Port and then select the device that is providing the service (active connections have a checkmark in front of them).  
or
- No matter how the connection was created, In My Bluetooth Places, right-click the service name and select Disconnect.

#### Configure

The Bluetooth Configuration Panel > Client Applications > Bluetooth Serial Port > General tab provides options to configure:

- The application name—to change it, highlight the existing name and enter the new name.
- Enable or disable secure connection. To enable secure connection, place a checkmark in the box.
- The communications port (COM port) to be used.

**NOTE:** Unless you have a specific reason to do so, *DO NOT CHANGE* the default COM Port setting.

### 3.5.6 Dial-up Networking

#### Overview

The Bluetooth Dial-up Networking application allows this computer to use a modem that is physically connected to a remote device to access the Internet, log on to a remote network.

Open a connection to the Dial-up Networking service that is provided by another Bluetooth device using one of these techniques:

- Windows system tray, Bluetooth icon
- From My Bluetooth Places
- Using the Bluetooth Setup Wizard

After the Bluetooth dial-up networking connection is established it can be used the same way as any other networking connection. For example, you can open a browser and explore the World Wide Web, if the remote computer has Internet access.

#### Close a Dial-up Networking connection

- If the connection was established via the Bluetooth icon in the Windows system tray; click the Bluetooth icon, select Quick Connect, Dial-up Networking and then select the device that is providing the service (active connections have a checkmark in front of them).  
or
- No matter how the connection was created, In My Bluetooth Places, right-click the service name and select Disconnect.

#### Configure

The Bluetooth Configuration Panel > Client Applications > Dial-up Networking > General tab provides options to configure:

- The application name—to change it, highlight the existing name and enter the new name.
- Enable or disable secure connection. To enable secure connection, place a checkmark in the box.
- The Bluetooth virtual device to be used.

**NOTE:** Unless you have a specific reason to do so, *DO NOT CHANGE* the default Bluetooth device or alter the device's configuration.

### 3.5.7 Fax

#### Overview

The Bluetooth Fax service allows this computer to send a fax using a Fax/Modem that is physically connected to a remote device.

#### To Send a Fax

1. Open a connection to the Fax service that is provided by another Bluetooth device, using one of these techniques:
  - Windows system tray, Bluetooth icon
  - From My Bluetooth Places
  - Using the Bluetooth Setup Wizard
2. Open or create the document to be faxed and select the "Print," "Send to Fax Recipient" or similar command that is available in most applications.

#### Close a Fax Connection

Fax connections close automatically when the Fax transmission is complete.

#### Configure

The Bluetooth Configuration Panel > Client Applications > Fax > General tab provides options to configure:

- The application name—to change it, highlight the existing name and enter the new name.
- Enable or disable secure connection. To enable secure connection, place a checkmark in the box.

### 3.5.8 Headset

#### Overview

The Headset application allows this computer to use a Bluetooth headset (or any other device that offers the Bluetooth headset service) as the audio input and output device for this computer.

Possible uses include:

- If this computer has on-board telephone hardware, a Bluetooth headset might be used as the audio input/output device to make/receive telephone calls.
- If this computer has voice recognition capabilities, a Bluetooth headset might be used as the audio input device.

Any other scenario that requires audio input/output can potentially take advantage of a Bluetooth headset to replace a hardwired microphone and/or speakers.

**NOTE: Windows 98 limitation—[click here for more info.](#)**

#### Create a Headset connection

Establish a connection using one of these techniques:

- Windows system tray, Bluetooth icon
- From My Bluetooth Places
- Using the Bluetooth Setup Wizard

**NOTE: Most Bluetooth headsets “ring” when a connection is attempted; answer the ring to complete the connection and begin using the headset as the audio input/output device for this computer.**

#### Close a Headset connection

- If the connection was established via the Bluetooth icon in the Windows system tray; click the Bluetooth icon, select Quick Connect, Headset and then select the device that is providing the service (active connections have a checkmark in front of them).  
or
- No matter how the connection was created, in My Bluetooth Places, right-click the service name and select Disconnect.

#### Configure

The Bluetooth Configuration Panel > Client Applications > Headset > General tab provides options to configure:

- The application name—to change it, highlight the existing name and enter the new name.
- Enable or disable secure connection. To enable secure connection, place a checkmark in the box.

### 3.5.9 File Transfer

#### Overview

The Bluetooth File Transfer application allows this computer to perform file operations on the Bluetooth Exchange Folder (and the folders and files it contains) of a remote device.

Copy to/from a remote device

In the Folders pane of Windows Explorer, from the Entire Bluetooth Neighborhood branch, select a device and expand that branch to view the Bluetooth Exchange Folder of the remote device.

**NOTE: If "Public Folder" is not available, the remote device is not configured to allow remote file operations.**

Use drag-and-drop to copy any file or folder contained in the Public Folder of the remote device to the desired folder on this computer.

You can also drag-and-drop files or folders from this computer to the Public Folder (and its sub-folders) of the remote device.

#### Other file operations

Right-click a file or folder in the remote device's Public Folder for a context sensitive menu. All potential menu options may not be available at all times.

Potential menu options include:

- Open—opens the selected file on this computer, using the default application for this type of file.
- Print—sends the selected file to this computer's default printer.
- Send To
- 3 ½ floppy (A)—the 3 ½ inch floppy drive on this computer
- Bluetooth Exchange Folder—the Bluetooth Exchange Folder on this computer.
- Rename—applies only to empty folders; file names and the names of folders that contain objects cannot be changed using this technique.
- Cut, Copy, Paste, Delete, Refresh, View & New—standard Windows functions.

#### Configure

The Bluetooth Configuration Panel > Client Applications > File Transfer > General tab provides options to configure:

- The application name—to change it, highlight the existing name and enter the new name.
- Enable or disable secure connection. To enable secure connection, place a checkmark in the box.

### 3.5.10 Network Access

#### Overview

The Bluetooth Network Access application makes it possible for this computer:

- To connect to a Local Area Network via a physical connection on a remote Bluetooth device.  
or
- To connect to an ad hoc network provided by a remote Bluetooth device.

The type of network connection that is available is determined by the configuration of the remote Bluetooth device.

#### Create a Network Access connection

Establish a connection using one of these techniques

- Windows system tray, Bluetooth icon
- From My Bluetooth Places
- Using the Bluetooth Setup Wizard

#### Close a Network Access connection

- If the connection was established via the Bluetooth icon in the Windows system tray; click the Bluetooth icon, select Quick Connect, Network Access and then select the device that is providing the service (active connections have a checkmark in front of them).  
or
- No matter how the connection was created, In My Bluetooth Places, right-click the service name and select Disconnect.

#### Configure

The Bluetooth Configuration Panel > Client Applications > Network Access > General tab provides options to configure:

- The application name—to change it, highlight the existing name and enter the new name.
- Enable or disable secure connection. To enable secure connection, place a checkmark in the box.

### 3.5.11 PIM Synchronization

#### Overview

The PIM Synchronization Application is used to synchronize the Personal Information Manager (PIM) database of this computer with the PIM database of a remote Bluetooth device.

The supported PIMs are:

- Microsoft Outlook
- Microsoft Outlook Express
- Lotus Notes.

#### The supported data types are:

- Business cards
- Calendar items
- Email (with or without attachments)
- Notes.

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### Configure PIM Synchronization

The Bluetooth Configuration Panel > Client Applications > PIM Synchronization > General tab provides options to configure:

- The application name—to change it, highlight the existing name and enter the new name.
- Enable or disable secure connection. To enable secure connection, place a checkmark in the box.
- The PIM items to be synchronized and the PIM on this computer with which those items should be synced.

**NOTE: If synchronization is enabled for a specific item type, but is not enabled for that item type on the remote device, synchronization *WILL NOT* take place for that item.**

- The data item types which can be synchronized are:
  - Business cards
  - Calendar items
  - Email (with or without attachments-see below)
  - Notes

Possible synchronization options for each of these data item types include:

- **Do Not Synchronize**-this item type will not be synchronized
- **Synchronize Microsoft Outlook**-this item type will be synced with its matching entry in Microsoft Outlook, regardless of the PIM that contains this entry on the remote device. If a matching Outlook entry does not exist, it will be created
- **Synchronize Outlook-Express**-this item type will be synced with its matching entry in Express, regardless of the PIM that contains this entry on the remote device. If a matching Express entry does not exist, it will be created
- **Synchronize Lotus Notes**-this item type will be synced with its matching entry in Lotus Notes, regardless of the PIM that contains this entry on the remote device. If a matching Notes entry does not exist, it will be created.

**NOTE: All choices are not available for all items. For example, "Note" items can only be synchronized in Microsoft Outlook, therefore Lotus Notes and Outlook Express do not appear as options in the "Notes" item shortcut menu.**

**Personal Information Managers that are not installed on this computer do not appear as options in the shortcut menus.**

- Email attachments. The only option is include or do not include attachments with email that is sent or received on this computer using this service.