Using Call History

Use Call History to call someone who was recently called, or recently called in. Call History provides the time and duration of all incoming, outgoing, and missed calls. It also provides a summary of total calls and easy access to notes taken during a call. Table 4-1 lists the call history icons that appear in the **Call History** window.

Table 5-1 *Call History Icons*

Icon	Description
	This icon appears next to the contact information for all **outgoing** calls.
	This icon appears next to the contact information for all **incoming** calls.
	This icon appears next to the contact information for all **missed** calls.

Managing Call History

Change views, reset the call timer, and delete calls to manage the calls stored in Call History.

Changing the Call History View

1. Tap **Start** > **Phone** or press the green key to display the Phone keypad.

2. From the Phone keypad, tap **Call History**.

3. Tap **Menu** > **Filter** to show the menu.
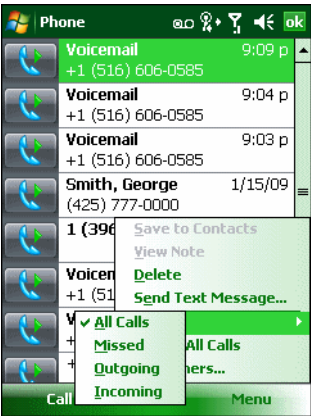

Figure 5-22 *Call History - All Calls/Show Menu*

4. Select a view type from the menu to display only missed calls, outgoing calls, incoming calls, or calls listed alphabetically by caller name.

5. Tap **ok** to exit the **Call History** window.

Resetting the Recent Calls Counter

1. Tap **Start** > **Phone** or press the green key to display the Phone keypad.

2. From the Phone keypad, tap **Call History**.

3. Tap **Menu**.
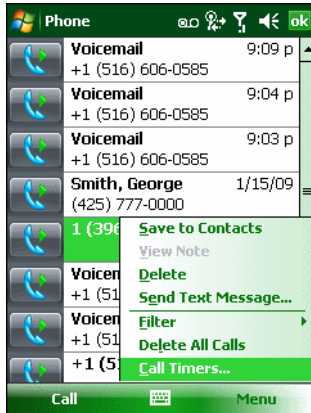
Figure 5-23   *Call History - Tools Menu*

4. Select **Call Timers...** .

5. Tap **Reset**. (The **All Calls:** counter cannot be reset.)

6. Tap **ok** to exit the **Call Timers** window.

Deleting Call History Items by Call Date

1. Tap **Start** > **Phone** or press the green key to display the Phone keypad.

2. From the Phone keypad, tap **Call History**.

3. Tap **Menu** > **Call Timers...** .

4. In the **Delete call history items older than:** drop-down list select a time period on which to base deletion of stored items.

5. Tap **ok** to exit the **Call Timers** window.

Deleting All Call History Items

1. Tap **Start** > **Phone** or press the green key to display the Phone keypad.

2. From the Phone keypad, tap **Call History**.

3. Tap **Menu**.
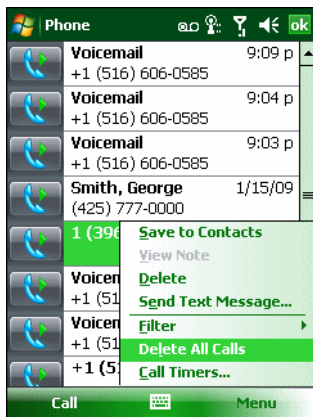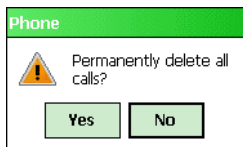
Figure 5-24   *Call History - Tools Menu*

4.   Select **Delete all calls**.

Figure 5-25   *Call History - Delete All Dialog*

5.   Tap **Yes**.

6.   Tap **ok** to exit the **Call History** window.

Viewing Call Status

1.   Tap **Start** > **Phone** or press the green key to display the Phone keypad.

2.   From the Phone keypad, tap **Call History**.

3.   Tap an entry. The **Call Status** window appears.
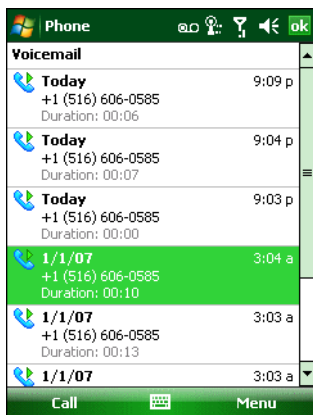
Figure 5-26   *Call History - Detail*

✓   ***NOTE***   When more than one call is on the phone line, only the duration of the first call is recorded.

4. Tap **ok** and then **ok** to exit.

Using the Call History Menu

Use the **Call History** menu to dial voice mail, access the Activation Wizard, save to contacts, view a note, delete a listing, send an SMS, and make a call.

1. Tap **Start** > **Phone** or press the green key to display the Phone keypad.

2. From the Phone keypad, tap **Call History**.

3. Tap and hold an item in the list.
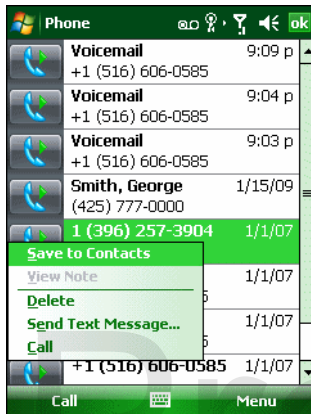
Figure 5-27   *Call History - Menu*

4. Select an applicable item from the menu, as needed.

5. Depending on the item selected, the appropriate window displays. For example, select **Send Text message** to display the **Text Messages** window.

6. Tap **ok** to exit the **Call History** window.

Swapping Calls on an MC9596

To move between two or more phone calls:

1. Tap **Start** > **Phone** or press the green key to display the Phone keypad.

2. Enter the first phone number and press **Talk**. When the call connects, **Hold** appears on the keypad.
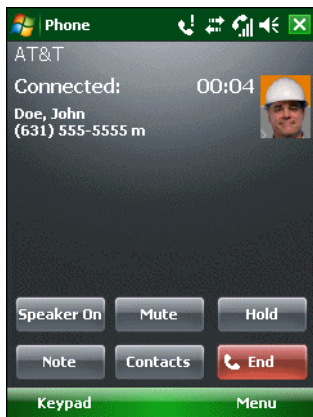
Figure 5-28   *Call Swapping - Hold*

3.   Tap **Hold** on to place the first number on hold.

4.   Enter the second number and tap **Talk**.

Figure 5-29   *Call Conferencing - Conferencing*
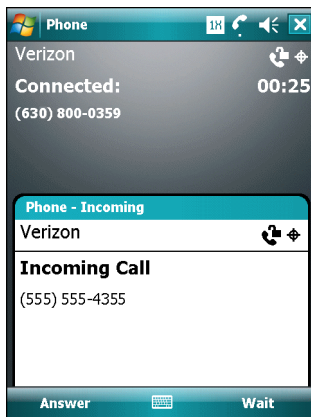
5.   Tap **Swap** to move from one call to the other.

6.   Tap **End** or press the red key to end each call.
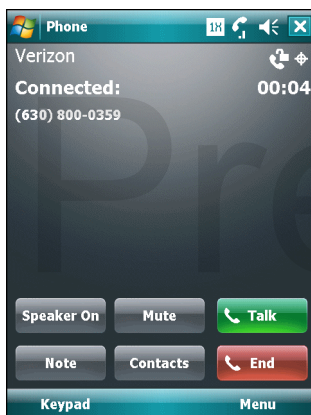
Swapping Calls on an MC9598

To swap between two incoming phone calls:

1.   Tap **Answer** to connect to the first call.

Figure 5-30   *Answer a Call*

2.   When a second call arrives, tap **Answer**. The first call is placed on hold.

3.   Tap **Talk** to swap from one call to the other.

Figure 5-31   *Call Swapping*

4.   Tap **End** or press the red key to end active call. The remaining call re-connects, tap **Answer** to connect to the call.

5.   Tap **End** or press the red key to end the last call.

Conference Calling on an MC9596

> *NOTE*   Conference Calling and the number of conference calls allowed may not be available on all services. Please check with your service provider for Conference Calling availability.

To create a conference phone session with multiple people:

1.   Tap **Start** > **Phone** or press the green key to display the Phone keypad.

2.   Enter the first phone number and press **Talk**. When the call connects, **Hold** appears on the keypad.
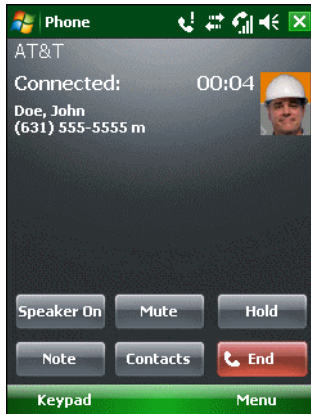
Figure 5-32   *Conference Call - Hold*

3. Tap **Hold** to place the first call on hold.

4. Enter the second phone number and tap **Talk.**

5. After the call is answered, tap **Menu** > **Conference** to place the calls in conference mode.
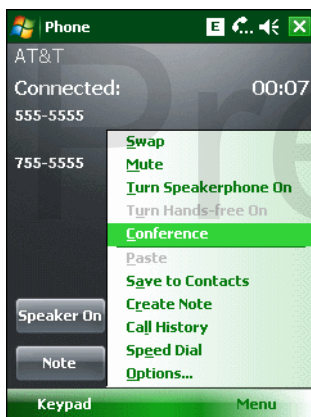
Figure 5-33   *Creating a Conference Call*

6. Tap **Hold** to place the conference on hold.

7. Enter another phone number and tap **Talk.**

8. After the call is answered, tap **Menu** > **Conference** to place all the calls in conference mode.

9. Repeat steps 6 through 8 for up to six phone numbers.

10. Tap **End** or press the red key to end the conference call.

> ✓ *NOTE* To speak privately with one party during a conference call, tap **Menu** > **Private**. To include all parties again, tap **Menu** > **Conference**.
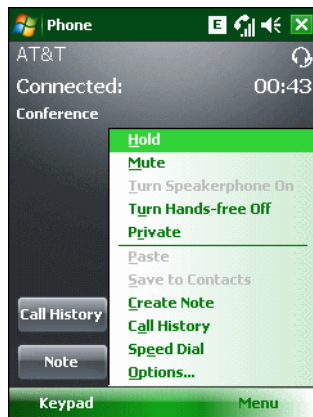
Figure 5-34   *Creating a Private Call*

Three-way Calling on an MC9598

NOTE   Three-way Calling may not be available on all services. Please check with your service provider for availability.

To create a three-way phone session with two people and you as the initiator:

1. Tap **Start** > **Phone** or press the green key to display the Phone keypad.

2. Enter the first phone number and press **Talk**.

3. To call a second person, tap **Keypad**. Enter the second number and tap **Talk**.

Figure 5-35   *Calling Another Person*

4. When the second person answers the call, tap **Talk** to create a three-way calling session.

5. Tap **Talk** to drop the last call.

6. Tap **End** to drop the first call.

Text Messaging

Use the **Text Messages** window to send and receive text messages to and from mobile phones. The text can contain words, numbers, or an alphanumeric combination no longer than 160 characters.

Short text messages delivered over mobile networks transmit from the sending MC95XX, are stored in a central short message center, then forwarded to the destination mobile device. If the recipient is not available, the message is stored and can be sent later.

Viewing Text Messages

To view a text message:

You can view a text message whether the phone is on or off. When the phone is on, you can view a text message from its notification callout. Tap the **text message notification** icon on the navigation bar to display the message.
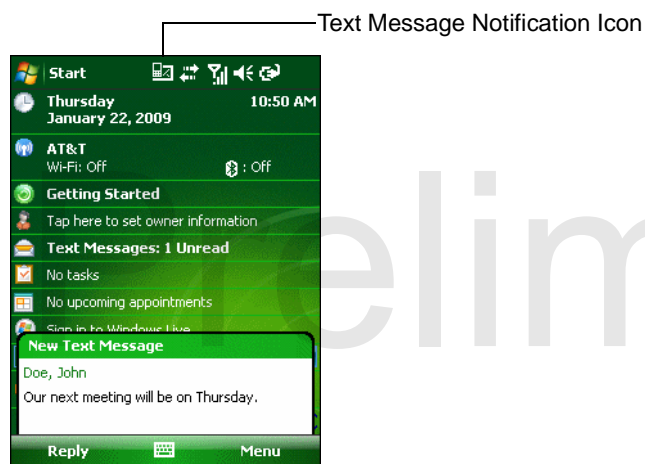
Figure 5-36 *New Text Message Notification*

The Caller Identification feature matches incoming text message numbers with those stored in **Contacts** so you know who is sending you a message. Furthermore, the **New Text Message** dialog box gives you the option to call the sender or save, dismiss, or delete the message.
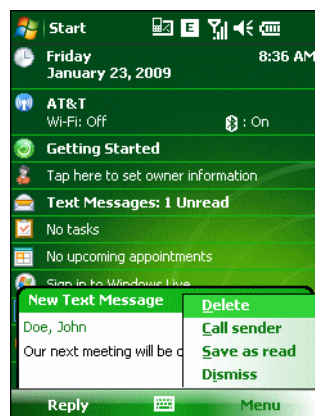
Figure 5-37 *New Text Message Options*

When the phone function is off, you can still view received text message in Messaging:

1.   Tap **Start > Messaging** > **Text Messages**, or on the Today screen, tap **Text Messages**.

Tap Text Messages.
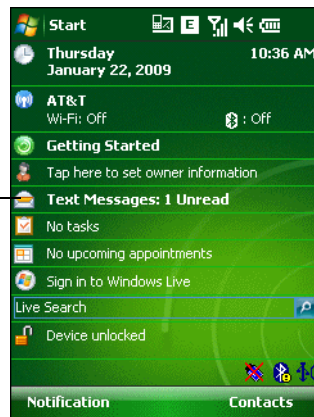
Figure 5-38   *Text Messaging on Today Screen*

The **Text Messages** window appears.
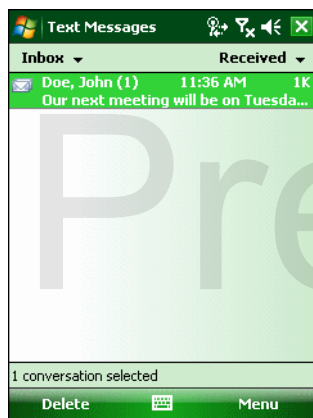
Figure 5-39   *Messaging Window*

2.   In the message list, tap a text message. The window displays previous text conversations.
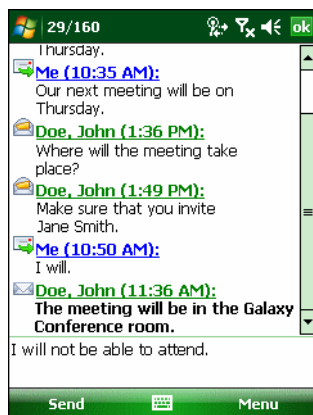
Tap to reply the message.

Figure 5-40   *Text Message - Conversation*

To reply, enter text in the reply field and tap **Send**.

✓ *NOTE* If the phone is turned off and you tried to call the sender, send a reply, or forward the message, you are prompted to turn the phone function on.

Sending a Text Message

To create a text message:

1. On the **Phone** screen, select a contact name that you want to send a message to.

2. Tap **Menu** > **Send Text Message**.
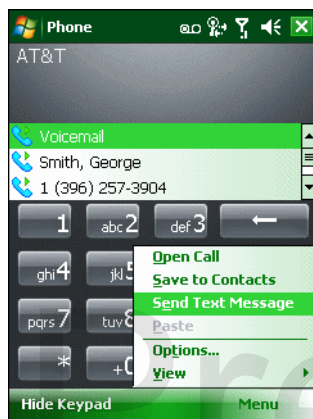
Figure 5-41 *Phone Screen Contact List*

3. Compose your message.

Address Area
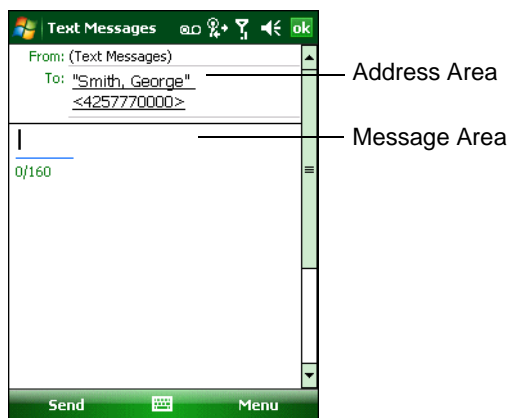
Message Area

Figure 5-42 *Create Text Message*

- The auto-correct feature automatically fixes common spelling errors as you type so your messages are more accurate.

- The character counter lets you see and control the size of the message as you compose.

- If you want to know if your text message was received, tap **Menu** > **Message Options**, then select the **Request message delivery notification** check box.

Figure 5-43   *Message Options Window*

4.   Tap **Send** when you've finished the message.

If the phone is turned on, your text message is sent. If it's off, you are prompted to turn on the phone. If you do so, the message is sent; otherwise when you tap **ok**, the message is saved in the **Drafts** folder and sent when the phone is turned on.

If you are out of coverage area, the message is saved in the **Drafts** folder and sent when you return to a coverage area.

NOTE   On MC95XX devices, the message remains in the **Drafts** folder and has to be manually re-sent when you return to a coverage area.

Establishing a MC9596 Data Connection

NOTE   Refer to the *MC95XX Series Mobile Computer Integrator Guide* for information on configuring a data connection.

5.   Ensure a SIM card is installed in the MC95XX.

6.   Configure a GPRS data connection. See *MC95XX Series Mobile Computer Integrator Guide*.

7.   Tap the connectivity icon **H** , **G** or **E** at the top of the screen.
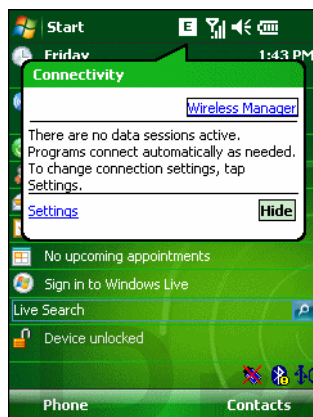
Figure 5-44   *Connectivity Dialog Box*

8.   Tap **Settings**.

9.   Tap **Connections** icon.

10.   Tap **Managing existing connections**.

11.   Tap and hold on the data connection until a menu appears.
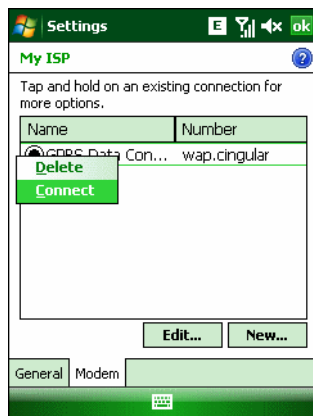
Figure 5-45   *Data Connection*

12.   Select **Connect**.

Figure 5-46   *Connecting Using GPRS*

13. If the SIM card is protected with a Personal Identification Number (PIN), a dialog box pops up requesting the appropriate PIN to unlock the SIM card. In this case, enter the PIN and tap **ok**.

NOTE   Place emergency calls at any time, without entering a PIN or a SIM card.

14. When a connection is established, launch **Internet Explorer** to browse the Internet or launch an applicable application.

Ending a Data Connection

To cancel a data connection in progress, tap **Cancel** in the **Connecting...** dialog window.

To end an established data connection:

1. Tap **H** , **G** or **E** to display the **Connectivity** dialog box.
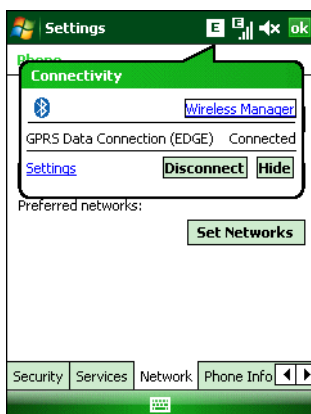
Figure 5-47   *Connectivity Dialog Box*

2. Tap **Disconnect**.

NOTE   Tapping **Disconnect** during an active data transfer (e.g., downloading a web page) automatically reconnects the connection. You cannot disconnect the connection until the data transfer is complete.

Establishing an MC9598 Data Connection

NOTE   Ensure that you have data service activated with your service provider.

A data connection allows Internet access across a wireless network. Data connection is pre-packaged with service accounts.

To verify active data service:

1.   Tap **Start** > **Internet Explorer**.

2.   In the address bar, enter a URL for a web site.

3.   Tap ⌨ to display the **Connectivity** dialog. The dialog box displays the data connection information.
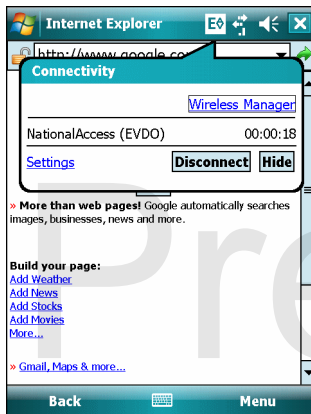
Figure 5-48   *Data Connection*

Ending a Data Connection

To cancel a data connection in progress, tap **Cancel** in the **Connecting...** dialog window.

To end an established data connection:

1.   Tap ⌨ to display the **Connectivity** dialog box.
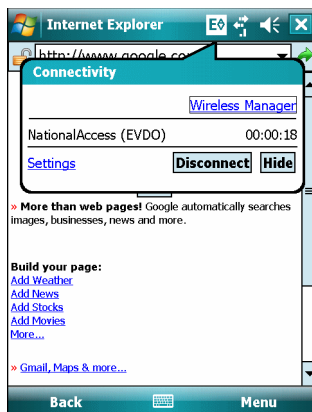
Figure 5-49   *Connectivity Dialog Box*

2. Tap **Disconnect**.

NOTE   Tapping **Disconnect** during an active data transfer (e.g., downloading a web page) automatically reconnects the connection. You cannot disconnect the connection until the data transfer is complete.

Preliminary

Preliminary

Chapter 6 Using GPS Navigation

Introduction

The MC95XX includes Global Positioning System (GPS) technology using the SiRF III chipset. GPS technology is based on a worldwide system of GPS satellites orbiting the earth that continuously transmit digital radio signals. These radio signals contain data on the satellites' locations and their exact clock time and are used to determine your location on the earth.

> ⚠ **WARNING!** **When using the MC95XX in a vehicle, it is the user's responsibility to place, secure and use in a manner that will not cause accidents, personal injury or property damage or obstruct their view. It is the responsibility of the driver to operate the vehicle in a safe manner, maintain observation of all driving conditions at all times, and not become distracted by the device to the exclusion of safe driving practices. It is unsafe to operate the controls of the device while driving.**

Software Installation

Third-party GPS navigation software is required. Evaluation software is available from various suppliers. For example; VisualGPS, visit: http://www.visualgps.net/VisualGPSce/

If interested in purchasing GPS navigation software check with the GPS software vendor (before purchasing, downloading, or installing any software) to determine that the application is compatible with the MC95XX. Refer to the application's user guide for application installation and setup information.

MC95XX GPS Setup

The GPS-enabled MC95XX uses Microsoft Windows Mobile 6, so the operating system automatically manages access to the GPS receiver to allow multiple programs to simultaneously access GPS data.

Ensure that the following settings are set on the MC95XX:

1. Tap **Start** > **Settings** > **System** > **External GPS** icon.
2. In the **Programs** tab, select **None** from the **GPS program port** drop-down list.
3. In the **Hardware** tab, select **COM8** in the **GPS hardware port** drop-down list.

4.   Select **57600** from the **Baud rate** drop-down list.

5.   Tap **ok** to close the **Setting** window.

> *NOTE*   If an application error message appears indicating that the COM port cannot be opened, ensure that a free COM port is selected in the **GPS hardware port** drop-down list.

Operation

Acquiring satellite signals may take a few minutes. It is best to be outside and have a clear, unobstructed view of the sky. Without a clear view, acquisition takes much longer and could result in the MC95XX being unable to compute the initial position quickly. When operating the device indoors access to the GPS signals may be limited or unavailable.

> *NOTE*   When using a GPS navigation application, ensure that the MC95XX does not go into suspend mode. If the MC95XX suspends then the power to the GPS radio is removed. Upon resume the GPS receiver must reacquire a valid GPS signal, resulting in a a delay of positional information.

GPS Maps on microSD Cards

GPS navigation software vendors may sell maps on microSD cards. If using a microSD card with the GPS navigation software install the microSD memory card using procedure in *Installing a microSD Card on page 1-3*.

Answering a Phone Call While Using GPS

If you receive a phone call while using your GPS navigation software:

1.   Answer the phone call by pressing the **Answer** button.

2.   Once you end the phone call, press the **End Call** button to resume the audio on the GPS software.

> *NOTE*   Anytime you are using GPS on the MC95XX and you receive a phone call, the audio on the GPS navigation software is muted until you finish the call.

Losing the GPS Signal While in a Vehicle

GPS performance on the MC95XX may be affected if the vehicle has thermal glass windows and windshields, which can block the MC95XX from receiving a GPS signal from satellites. To improve GPS signal strength, place the MC95XX where there is a clear view of the sky. A direct line of sight is required between the MC95XX and the GPS satellites to access information from the satellites.

The Global Positioning System (GPS) is a system that allows the user to track their position anywhere on the earth.

Assisted GPS

GPS can be used in stand-alone or Assisted GPS (A-GPS) modes. A Stand-alone GPS receiver downloads data from GPS satellites. It can take several minutes to get a fix. By using GPS Location servers, A-GPS dramatically improves the performance of the Time To First Fix (TTFF) of GPS receivers by providing them with data that they would ordinarily have to download from the GPS satellites. With the A-GPS data, GPS receivers can operate faster and more reliably.

A-GPS follows the Secure User Plane Location (SUPL) protocol which allows a mobile device to communicate with a location server. Refer to the EMDK Help file for information on setting up SUPL on the MC95XX.

Preliminary

Preliminary

Chapter 7 Using Bluetooth

Introduction

Bluetooth-equipped devices can communicate without wires, using frequency-hopping spread spectrum (FHSS) radio frequency (RF) to transmit and receive data in the 2.4 GHz Industry Scientific and Medical (ISM) band (802.15.1). Bluetooth wireless technology is specifically designed for short-range (30 feet/10 meters) communication and low power consumption.

MC95XXs with Bluetooth capabilities can exchange information (e.g., files, appointments, and tasks) with other Bluetooth enabled devices such as phones, printers, access points, and other mobile computers. To use the MC95XX as a modem, create a dial-up modem connection between a computer and MC95XX.

TheMC95XX with Bluetooth technology uses either the StoneStreet Bluetooth stack or the Microsoft Bluetooth stack. To write an application that uses the StoneStreet One Bluetooth stack APIs, refer to the Enterprise Mobility Developer Kit (EMDK) Help.

Adaptive Frequency Hopping

Adaptive Frequency Hopping (AFH) is a method of avoiding fixed frequency interferers, and can be used with Bluetooth voice. All devices in the piconet (Bluetooth network) must be AFH-capable in order for AFH to work. There is no AFH when connecting and discovering devices. Avoid making Bluetooth connections and discoveries during critical 802.11b communications. AFH for Bluetooth consists of four main sections:

- Channel Classification - A method of detecting an interference on a channel-by-channel basis, or pre-defined channel mask.

- Link Management - Coordinates and distributes the AFH information to the rest of the Bluetooth network.

- Hop Sequence Modification - Avoids interference by selectively reducing the number of hopping channels.

- Channel Maintenance - A method for periodically re-evaluating the channels.

When AFH is enabled, the Bluetooth radio "hops around" (instead of through) the 802.11b high-rate channels. AFH coexistence allows Motorola mobile computers to operate in any infrastructure.

The Bluetooth radio in this MC95XX operates as a Class 2 device power class. The maximum output power is 2.5mW and the expected range is 32.8 feet (10 meters). A definition of ranges based on power class is difficult to obtain due to power and device differences, and whether one measures open space or closed office space.

✓ *NOTE*   It is not recommended to perform Bluetooth wireless technology inquiry when high rate 802.11b operation is required.

Security

The current Bluetooth specification defines security at the link level. Application-level security is not specified. This allows application developers to define security mechanisms tailored to their specific need. Link-level security occurs between devices, not users, while application-level security can be implemented on a per-user basis. The Bluetooth specification defines security algorithms and procedures needed to authenticate devices, and if needed, encrypt the data flowing on the link between the devices. Device authentication is a mandatory feature of Bluetooth while link encryption is optional.

Pairing of Bluetooth devices is accomplished by creating an initialization key that is used to authenticate the devices and create a link key for them. Entering a common PIN number in the devices being paired generates the initialization key. The PIN number is never sent over the air. By default, the Bluetooth stack responds with no key when a key is requested (it is up to user to respond to the key request event). Authentication of Bluetooth devices is based-upon a challenge-response transaction. Bluetooth allows for a PIN number or passkey that is used to create other 128-bit keys used for security and encryption. The encryption key is derived from the link key used to authenticate the pairing devices. Also worthy of note is the limited range and fast frequency hopping of the Bluetooth radios that makes long-distance eavesdropping difficult.

Recommendations are:

- Perform pairing in a secure environment
- Keep PIN codes private and don't store the PIN codes in the mobile computer
- Implement application-level security.

The Microsoft stack supports Smart-pairing. For detailed information, refer to the Microsoft MSDN.

Bluetooth Configuration

By default, the MC95XX is configured to using the StoneStreet One Bluetooth stack. Refer to the MC95XX Integrator Guide, Appendix B, for information on switching to the Microsoft Bluetooth stack.

If the MC95XX is configured to use the StoneStreet One Bluetooth stack, the Bluetooth icon appears at the bottom right corner of the Today screen. If the Microsoft Bluetooth stack is configured, the Bluetooth icon does not appear.
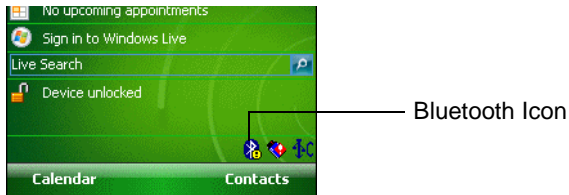
Bluetooth Icon

Figure 7-1   *Bluetooth Icon*

Table 7-1 list the services supported by the StoneStreet One Bluetooth stack and the Microsoft Bluetooth stack.

Table 7-1   *Bluetooth Services*

Microsoft Bluetooth Stack	StoneStreet One Bluetooth Stack
OBEX Object Push Services	File Transfer Services
Hands-Free Audio Gateway Services	Dial-Up Networking Services
Serial Port Services	OBEX Object Push Services
Personal Area Networking Services	Headset Audio Gateway Services
PBAP Services	Hands-Free Audio Gateway Services
Dial-Up Networking Services	Serial Port Services
HID Client Services	Personal Area Networking Services
A2DP/AVRCP Services	IrMC Services
	HID Client Services
	A2DP/AVRCP Services

Table 7-2 list the COM ports available for the StoneStreet One Bluetooth stack and the Microsoft Bluetooth stack.

Table 7-2   *COM Ports*

Microsoft Bluetooth Stack	StoneStreet One Bluetooth Stack
COM5	COM5
COM9	COM9
	COM11
	COM21
	COM22
	COM23

Bluetooth Power States

Cold Boot

Performing a cold boot on the MC95XX turns off Bluetooth after initialization (which takes a few moments). It is normal to see the **Bluetooth** icon appear and disappear, as well as a wait cursor, when initialization proceeds in all modes.

Warm Boot

Performing a warm boot on the MC95XX turns off Bluetooth.

Suspend

Suspending the MC95XX turns off Bluetooth.

> ✓ *NOTE* If there is an active Bluetooth connection between the MC95XX and another Bluetooth device, the MC95XX will not timeout. However, if the user presses the Power button on the MC95XX, the MC95XX will suspend and upon receiving data from a remote Bluetooth device, the MC95XX will wake from suspend mode. For example, headset redial or Bluetooth scanner sending data to the MC95XX.

Resume

When the MC95XX resumes, Bluetooth turns on if it was on prior to suspend.

Using Microsoft Bluetooth Stack

The following sections provide information on using the Microsoft Bluetooth stack.

Turning the Bluetooth Radio Mode On and Off

Turn off the Bluetooth radio to save power or if entering an area with radio restrictions (e.g., an airplane). When the radio is off, other Bluetooth devices cannot see or connect to the MC95XX. Turn on the Bluetooth radio to exchange information with other Bluetooth devices (within range). Communicate only with Bluetooth radios in close proximity.

> *NOTE* To achieve the best battery life turn off radios not in use.

Enabling Bluetooth

To enable Bluetooth:

1. Tap **Wireless Manager** and then tap the **Bluetooth** bar or

   Tap **Start** > **Setting** > **Connections** > **Bluetooth** icon > **Mode** tab.
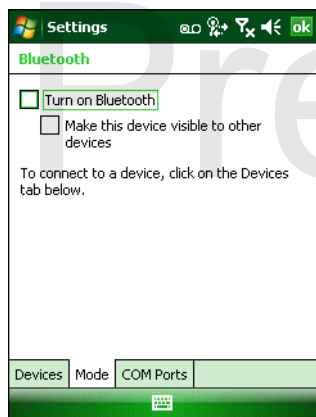
Figure 7-2 *Bluetooth Mode Tab*

2. Check the **Turn On Bluetooth** checkbox.

3. Tap **ok**.

Disabling Bluetooth

To disable Bluetooth:

1. Tap **Wireless Manager** and then tap the **Bluetooth** bar or

   Tap **Start** > **Setting** > **Connections** > **Bluetooth** icon > **Mode** tab.

2. Un-check the **Turn On Bluetooth** checkbox.

3. Tap **ok**.

Discovering Bluetooth Device(s)

The MC95XX can receive information from discovered devices without bonding. However, once bonded, the MC95XX and a bonded device exchange information automatically when you turn the Bluetooth radio on. See *Bonding with Discovered Device(s) on page 7-34* for more information.

To find Bluetooth devices in the area:

1.   Ensure that Bluetooth is enabled on both devices.

2.   Ensure that the Bluetooth device to discover is in discoverable and connectable modes.

3.   Ensure that the two devices are within 30 feet (10 meters) of one another.

4.   Tap **Start** > **Settings** > **Connections** tab > **Bluetooth** icon > **Devices** tab.
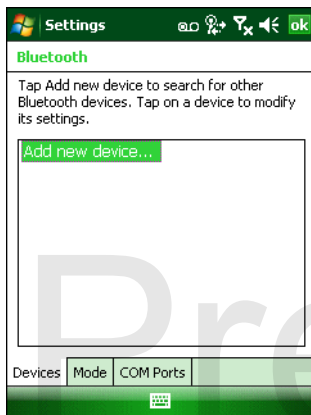
Figure 7-3   *Bluetooth - Devices Tab*

5.   Tap **Add new device**. The MC95XX begins searching for discoverable Bluetooth devices in the area.
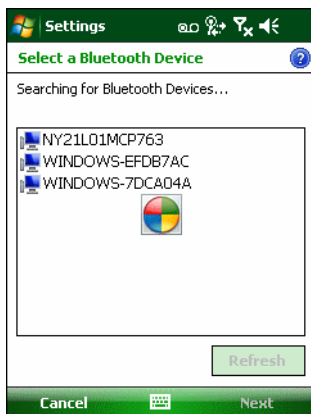
Figure 7-4   *Searching for Bluetooth Devices*

6.   Select a device from the list.
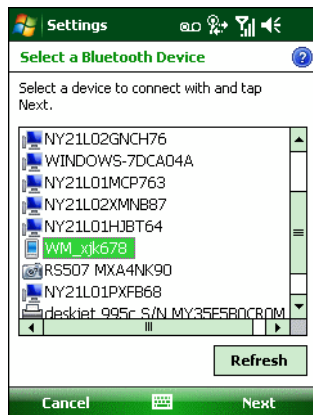
Figure 7-5   *Select a Bluetooth Device*

7.   Tap **Next**. The **Enter Passcode** window appears.

> *NOTE*   If Smart-pairing is configured and the device is requesting one of the pre-defined PINs, the **Enter Passcode** window does not appear.
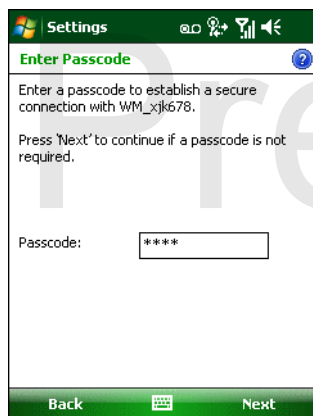
Figure 7-6   *Enter Passcode*

8.   Enter the Passcode on the other device. The device is added to the Bluetooth list.

Figure 7-7   *Bluetooth Connection Confirmation*

You are prompted to enter a passcode. If the device has a specific passcode, enter it in the Passcode field and tap Next. If the device does not have a specific passcode, enter one in the Passcode field and tap Next. The Bluetooth radio tries to connect with the device.

9. If you created a passcode, you will be prompted by the other device to enter the same passcode. Enter the created passcode to establish a paired connection. (If you entered a passcode from the device, you shouldn't have to do anything on the other device.)

10. When the connection is complete, a list of matching and supported services on the device appears.

11. Select the services you want to use and tap Finish. The services on the new devices have to be selected or else the pairing won't include those services, even though the devices are paired. If services are not selected, you will be continually reprompted for the passcode from the device.

12. The device appears in the list on the main window.

After the passcodes have been accepted on both sides, you have a trusted ("paired") connection.

Available Services

> *NOTE*   Some devices might not require a PIN. This depends upon the device's authentication.

The MC95XX with Microsoft Bluetooth stack offers the following services:

*   OBEX Object Push Services via Beam
*   Hands-Free Audio Gateway Services
*   Serial Port Services
*   Personal Area Networking Services
*   PBAP Services
*   Dial-up Networking
*   HID Client
*   A2DP/AVRCP.

See the following sections for information on these services.

Object Push Services via Beam

NOTE   You can only send files to a remote device using the Beam function.

Use the OBEX Push Service to send files and contacts to another Bluetooth device. To transfer files between the MC95XX and another Bluetooth enabled device:

1.   Ensure that Bluetooth is enabled and discoverable on both devices.

2.   Ensure that the two devices are within 30 feet (10 meters) of one another.

3.   Tap **Start** > **Programs** > **File Explorer.**

4.   Navigate to the file to transfer.

5.   Tap and hold on the filename until the pop-up menu appears.
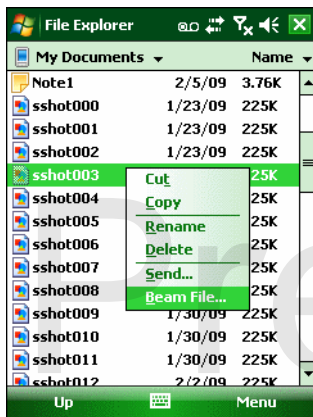
Figure 7-8   *File Explorer Window*

6.   Select **Beam File**. The MC95XX searches for Bluetooth devices in the area.

7.   Tap **Tap to send** next to the Bluetooth device to send the file to. The MC95XX communicates with the device and send the file. When completed, **Tap to send** changes to **Done**.
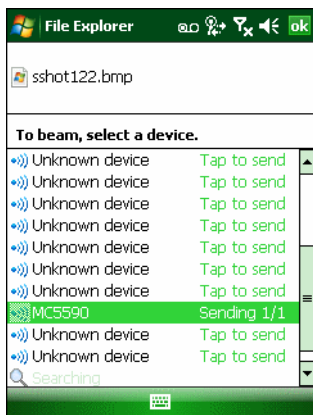
Figure 7-9   *Beam File Window*

To transfer a contact between the MC95XX and another Bluetooth enabled device:

1.   Ensure that Bluetooth is enabled and discoverable on both devices.

2. Ensure that the two devices are within 30 feet (10 meters) of one another.

3. Tap **Start** > **Contacts**

4. Navigate to the contact to transfer.

5. Tap and hold on the contact until the pop-up menu appears.

Figure 7-10   *Contact Window*

6. Select **Send Contact** > **Beam**. The MC95XX searches for Bluetooth devices in the area.

7. Tap **Tap to send** next to the Bluetooth device to send the file to. The MC95XX communicates with the device and send the contact. When completed, **Tap to send** changes to **Done**.
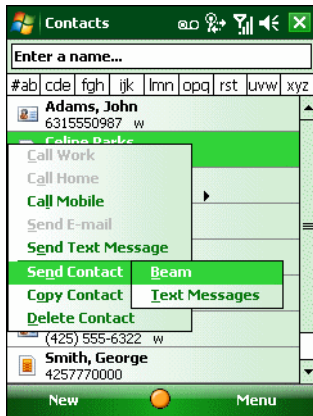
Internet Sharing

Internet Sharing allows the user to connect a computer or laptop to the MC95XX and use the MC95XX as a modem to connect to an office network or ISP.

To use MC95XX as a modem using Bluetooth:

1. Ensure that the device is not connected to the computer or laptop.

2. On the MC95XX, ensure that the Phone is on and a data connection is configured.

3. Tap > **Programs** > **Internet Sharing**.

4. In the **PC Connection** list, select **Bluetooth PAN**.

5. In the **Network Connection** list, select the connection type.

   Select the network connection that the device should use to connect to the Internet.

6. Tap **Connect**.

7. On the computer or laptop, setup a Bluetooth PAN with your device.

   a. Select **Start** > **Control Panel** > **Network Connections**.

   b. Under **Personal Area Network**, select **Bluetooth Network Connection**.

   c. Right-click on **Bluetooth Network Connection** and select **View Bluetooth** network devices.

   d. In the **Bluetooth Personal Area Network Devices** window select your device.

     e. Click **Connect**. The computer connects to the device via Bluetooth.

> **NOTE** If your computer is Bluetooth-enabled and you select Bluetooth as the PC connection, you must initiate and complete the Bluetooth PAN partnership before Internet Sharing will work. For more information, refer to Windows Help and Support.

8. To verify, on the PC or laptop, launch **Internet Explorer** and open a web site.

9. To end dial-up networking, on the MC95XX tap **Disconnect**.

Hands-free Services

To connect to a Bluetooth headset:

> **NOTE** Newer Bluetooth headsets are device dependant and remember the last device they connected to. If problems occur while connecting to the headset, place the headset in discovery mode. Refer to the headset user manual for more information.
>
> Only WAN audio is routed to the headset. System audio is still emitted through the MC95XX speaker.
>
> You can accept calls and re-dial using the Hands-free profile.
>
> Hands-free profile does not support 3-way calling.

1. Ensure that Bluetooth is enabled and discoverable on both devices.

2. Ensure that the two devices are within 30 feet (10 meters) of one another.

3. Tap **Start** > **Settings** > **Connections** > **Bluetooth** icon.

4. Tap New device. The MC95XX searches for Bluetooth devices in the area.

5. Select the headset name and tap **Next**. The Passcode window appears.

6. Enter the headset's passcode.

7. Tap **Next**. The MC95XX connects to the headset. Refer to the headset user manual for instructions on communicating with a Bluetooth device.

> **NOTE** During an active connection, the MC95XX cannot go into suspend mode when the Power Button is pressed. A message appears notifying the user.
>
> Once the WAN call is disconnected (with Hands-free profile) the Power button is enabled.

Headset icon
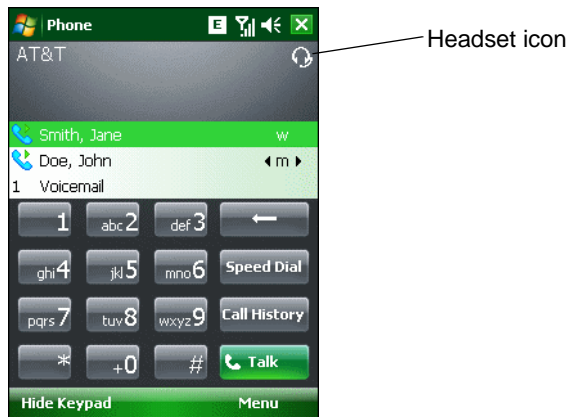
Figure 7-11   *WWAN Bluetooth Audio Notification Dialog Box*

Serial Port Services

Use the wireless Bluetooth serial port connection as you would a physical serial cable connection. Configure the application that will use the connection to the correct serial port.

To establish a serial port connection:

1. Ensure that Bluetooth is enabled and discoverable on both devices.

2. Ensure that the two devices are within 30 feet (10 meters) of one another.

3. Tap **Start** > **Settings** > **Connections** tab > **Bluetooth** icon > **Devices** tab.

4. Tap **Add new device**. The MC95XX begins searching for discoverable Bluetooth devices in the area.

5. Select a device from the list.

6. Tap **Next**. The **Enter Passcode** window appears.

> *NOTE*   If Smart-pairing is configured and the device is requesting one of the pre-defined PINs, the **Enter Passcode** window does not appear.

7. Enter the Passcode and the tap **Next**. The device is added to the Bluetooth list.

8. In the device list, tap the serial device. The **Partnership Settings** window displays.

9. Select the **Serial Port** checkbox.

10. Tap **Save**.

11. Tap **COM Ports** tab.

12. Tap **New Outgoing Port**. The add device window appears.

13. Select the serial device in the list and then tap **Next**.

14. Select a COM port from the drop-down list.

15. Tap **Finish**.

> *NOTE*   No connection is made at this point. An application must open the selected COM port to trigger Microsoft Bluetooth stack to open the connection.

ActiveSync Using Serial Port Services

Use the wireless Bluetooth serial port connection for ActiveSync just as you would a physical serial cable connection. You must configure the application that will use the connection to the correct serial port.

To set up a Bluetooth ActiveSync connection:

Before setting up a Bluetooth ActiveSync connection, configure the Bluetooth function of your device.

> *NOTE* For additional security, disable network bridging on the computer (specifically, bridging to a Remote NDIS adapter) before connecting to the computer to pass though to the Internet or a network. For more information on network bridging, see **Windows Help** on your computer.
>
> The instructions below are for computers that support the Windows XP SP2 or later version operating system.

1. Ensure that Bluetooth is enabled and discoverable on both devices.

2. Ensure that the two devices are within 30 feet (10 meters) of one another.

3. On the computer, click **Start** > **Settings** > **Control Panel**.

4. Double-click **Bluetooth Devices**.

5. On the **Options** tab, select the **Turn discovery on** and **Allow Bluetooth devices to connect to this computer** checkboxes.
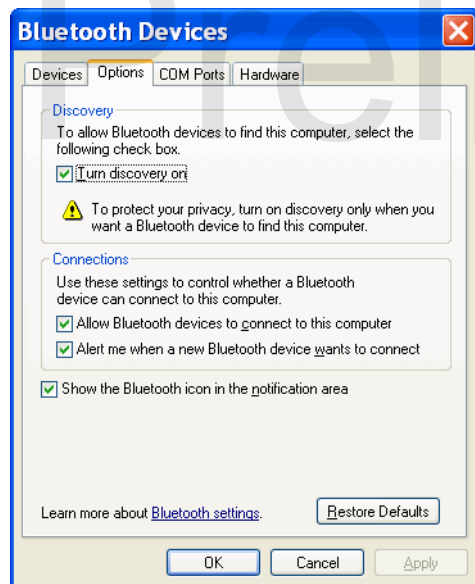
Figure 7-12   *Computer Bluetooth Devices Window*

6. On the **COM Ports** tab, click **Add**.

7. Select the **Incoming (device initiates the connection)** option, then click **OK**.

    Note the number of the COM port that was added.

8. Click **OK**.

9. Click **Start** > **All Programs** > **Microsoft ActiveSync**.

10. Click **File** > **Connection Settings**.

Figure 7-13   *ActiveSync Connection Settings*

11. On the **Allow connections to one of the following** drop-down list, select the COM port with the number you noted earlier.

12. On the MC95XX, tap **Start** > **Programs** > **ActiveSync**.

13. Tap **Menu** > **Connect via Bluetooth**.

Synchronization is automatically initiated. The **ActiveSync** icon appears on the lower right corner of the **Today** screen.

If an Authentication is required, the **Enter Passcode** screen appears, type an alphanumeric passkey (PIN code), then tap **Next**; enter the same passkey on the other device.

The passkey is recommended for enhanced security. Your passkey must be between 1 to 16 alphanumeric characters.

If you do not want to use a passkey, tap **Next**.

14. To disconnect the ActiveSync connection, tap the **ActiveSync** icon on the Today screen.

15. Tap **Disconnect**.

Phone Book Access Profile Services

Phone Book Access profile (PBAP) is used to synchronize contacts between a remote device and the MC95XX. To establish an PBAP synchronization:

1. Ensure that Bluetooth is enabled and discoverable on both devices.

2. Ensure that the two devices are within 30 feet (10 meters) of one another.

3. Tap **Start** > **Settings** > **Connection** tab > **Bluetooth** icon > **Devices** tab.

4. Tap **Add New Device**.The MC95XX searches for a Bluetooth device, such as a Car Kit.

5. Select a device from the list.

6. Tap **Next**. The **Enter Passcode** window appears.

> *NOTE*   If Smart-pairing is configured and the device is requesting one of the pre-defined PINs, the **Enter Passcode** window does not appear.

7. Enter the Passcode and the tap **Next**. The device is added to the Bluetooth list.

8. A dialog box appears requesting if you want to transfer contacts to the car kit.

9. Select **Yes** or **No**.

10. If **Yes** is selected, contacts from the MC95XX are transferred to the car kit.

Dial-Up Networking Services

Dial-up networking allows the user to connect a PC or laptop to the MC95XX and use the MC95XX as a modem to connect to an office network or ISP.

Before setting up dial-up networking, obtain dial-up information and other necessary settings (username, password and domain name, if required) for the office network or ISP. To create a new Bluetooth connection:

1. Ensure the MC95XX is discoverable and connectable.

2. On the PC or laptop, set up Bluetooth according to the manufacturer's instructions.

3. On the PC or laptop Bluetooth software, search for the MC95XX and select the Dial-up Networking service.

4. Using dial-up software on the PC or laptop, connect to the MC95XX.

5. The MC95XX phone function dials the ISP number and connects to the ISP.

6. To verify, on the PC or laptop, launch Internet Explorer and open a web site.

Connect to a HID Device

The MC95XX can connect to an Human Interface Device (HID) device such as a Bluetooth keyboard or mouse:

1. Ensure that Bluetooth is enabled on both devices.

2. Ensure that the Bluetooth device to discover is in discoverable and connectable modes.

3. Ensure that the two devices are within 30 feet (10 meters) of one another.

4. Tap **Start** > **Settings** > **Connections** tab > **Bluetooth** icon > **Devices** tab.

5. Tap **Add new device**. The MC95XX begins searching for discoverable Bluetooth devices in the area.

6. Select a HID device from the list.

7. Tap **Next**. The **Enter Passcode** window appears. Refer to the device's User Manuals for more information.

> ✓ **NOTE** If Smart-pairing is configured and the device is requesting one of the pre-defined PINs, the **Enter Passcode** window does not appear.

8. Tap **Connect**. The MC95XX connects to the HID device.

A2DP/AVRCP Services

A2DP/AVRCP is used to connect to a high-quality stereo headset:

1. Ensure that Bluetooth is enabled on both devices.

2. Ensure that the Bluetooth device to discover is in discoverable and connectable modes.

3. Ensure that the two devices are within 30 feet (10 meters) of one another.

4. Tap **Start** > **Settings** > **Connections** tab > **Bluetooth** icon > **Devices** tab.

5.   Tap **Add new device**. The MC95XX begins searching for discoverable Bluetooth devices in the area.

6.   Select a stereo headset from the list.

7.   Tap **Next**. The **Enter Passcode** window appears. Refer to the device's User Manuals for more information.

> ✓ *NOTE*   If Smart-pairing is configured and the device is requesting one of the pre-defined PINs, the **Enter Passcode** window does not appear.

8.   Tap **Connect**. The MC95XX connects to the stereo headset.

For stereo headsets that can use hands-free services, connect to the hands-free service after connecting to the A2DP service:

1.   Tap **Start** > **Settings** > **Connections** tab > **Bluetooth** icon > **Devices** tab.

2.   Tap **Add new device**. The MC95XX begins searching for discoverable Bluetooth devices in the area.

3.   Select a stereo headset from the list.

4.   Tap **Next**. The **Enter Passcode** window appears. Refer to the device's User Manuals for more information.

> ✓ *NOTE*   If Smart-pairing is configured and the device is requesting one of the pre-defined PINs, the **Enter Passcode** window does not appear.

5.   Tap **Connect**. The MC95XX connects to the stereo headset.

Using Bluetooth StoneStreet One Bluetooth Stack

The following sections provide information on using the Stone Street One Bluetooth stack.

Turning the Bluetooth Radio Mode On and Off

Turn off the Bluetooth radio to save power or if entering an area with radio restrictions (e.g., an airplane). When the radio is off, other Bluetooth devices cannot see or connect to the MC95XX. Turn on the Bluetooth radio to exchange information with other Bluetooth devices (within range). Communicate only with Bluetooth radios in close proximity.

> **NOTE**   To achieve the best battery life turn off radios not in use.

Disabling Bluetooth

To disable Bluetooth, tap **Bluetooth** icon > **Disable Bluetooth**. The **Bluetooth** icon changes to indicate that Bluetooth is disabled.
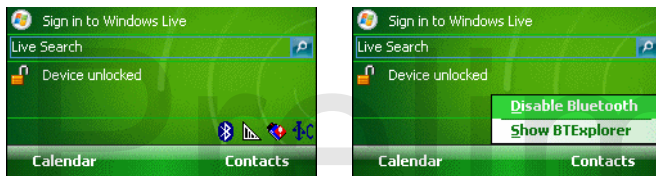

Figure 7-14   *Disable Bluetooth*

Enabling Bluetooth

To enable Bluetooth, tap **Bluetooth** icon > **Enable Bluetooth**. The **Bluetooth** icon changes to indicate that Bluetooth is enabled.

Figure 7-15   *Enable Bluetooth*

Modes

The BTExplorer application has two modes for managing Bluetooth connections: Wizard Mode and Explorer Mode. The Wizard Mode is for novice Bluetooth users and the Explorer Mode is for experienced Bluetooth users. To switch between modes, select **View** > **Wizard Mode** or **View** > **Explorer Mode**.

Wizard Mode

Wizard Mode provides a simple process for discovering and connecting to Bluetooth devices.

> **NOTE**   Switching between Wizard Mode and Explorer Mode closes all active connections.

Wizard Mode shows the devices and services in a simple Favorites view created by following the step-by-step wizard.

Explorer Mode

The **Explorer Mode** window is easy to navigate and provides greater control to users familiar with Bluetooth. The menu bar provides quick access to the options and tools used to connect to devices. To access Explorer Mode, tap **View** > **Explorer Mode**.
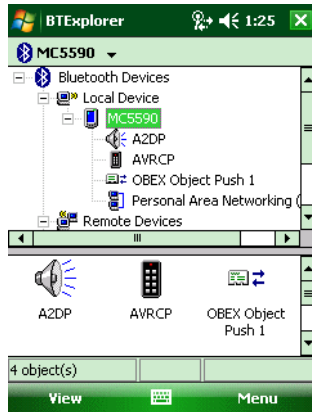
Figure 7-16   *Explorer Mode Window*

You can also use the "tap and hold" technique to view available options. Scroll bars and view options are similar to those on the Windows desktop. The tree structure lists the following sub-items:

- Local Device - This device
- Remote Device - Other Bluetooth devices
    - Trusted Devices - Bonded (paired) Bluetooth devices
    - Untrusted Devices - Discovered devices that are not bonded
- Favorites - Selected services that are set as *Favorite* for quick access.

> *NOTE*   Switching between Wizard Mode and Explorer Mode closes all active connections.

Discovering Bluetooth Device(s)

The MC95XX can receive information from discovered devices without bonding. However, once bonded, the MC95XX and a bonded device exchange information automatically when you turn the Bluetooth radio on. See *Bonding with Discovered Device(s) on page 7-34* for more information.

To find Bluetooth devices in the area:

1. Ensure that Bluetooth is enabled on both devices.
2. Ensure that the Bluetooth device to discover is in discoverable and connectable modes.
3. Ensure that the require profile is enabled on the MC95XX. See *Profiles Tab on page 7-47* for more information.
4. Ensure that the two devices are within 30 feet (10 meters) of one another.

5. Tap the **Bluetooth** icon and select **Show BTExplorer**. The **BTExplorer** window appears.

> ✓ **NOTE** If favorite connections have already been created, the **Favorites** screen displays. If no favorite connections have been created, the **New Connection Wizard** screen displays.

6. Tap **Menu** > **New Connection**.The **New Connection Wizard** appears.
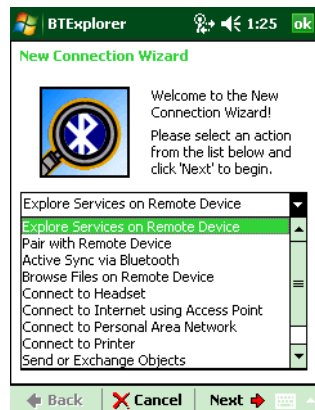
Figure 7-17   *BTExplorer Window*

7. Select **Explore Services on Remote Device** or another from the drop-down list and tap **Next**.

The following actions are available in the drop-down list (actions may vary depending upon configurations):

- Explore Services on Remote Device
- Pair with a Remote Device
- Active Sync via Bluetooth
- Browse Files on Remote Device
- Connect to Headset
- Connect to Internet using Access Point
- Connect to Internet using Phone/Modem
- Connect to Personal Area Network
- Connect to Printer
- Send or Exchange Objects
- Associate Serial Port
- Connect to High-Quality Audio.

> ✓ **NOTE** If a device discovery action has not been previously performed, a device discovery is automatically initiated. If a device discovery has previously been performed, the device discovery process is skipped, and the previously found list of devices displays. To start a new device discovery, tap and hold in the window and select **Discover Devices** from the pop-up menu.
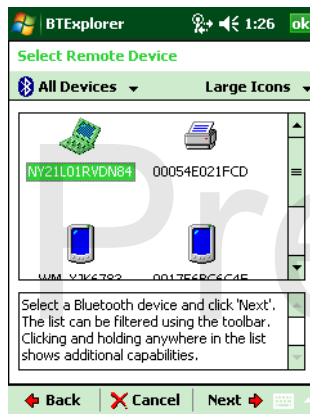
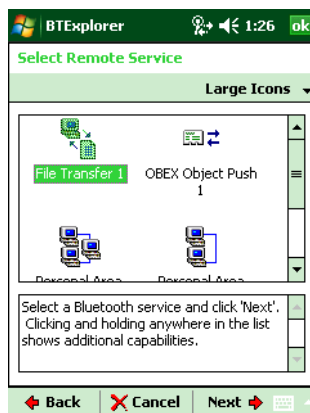8. **BTExplorer** searches for Bluetooth devices in the area.
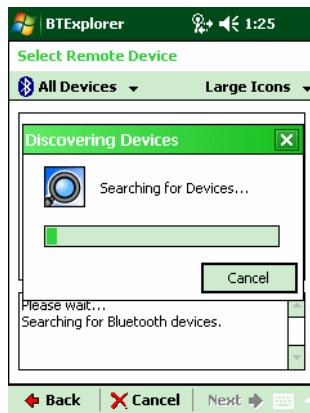
Figure 7-18   *Discover Devices Dialog Box*

The discovered devices display in the **Select Remote Device** window.

Figure 7-19   *Select Remote Device Window*

9.   Select a device from the list and tap **Next**. The MC95XX searches for services on the selected Bluetooth device.

Figure 7-20   *Device Services*

NOTE   If the MC95XX discovers a service but the service is not supported, the service icon is grayed-out.

10. Select a service from the list and press **Next**. The **Connection Favorite Options** window appears.

Figure 7-21   *Connection Favorite Options Window*

11. In the **Favorite Name** text box, enter a name for this service that will appear in the **Favorite** window.

12. Tap **Next**. The **Connection Summary** window appears.

13. Tap **Connect** to add the service to the **Favorite** window and connect to the service.
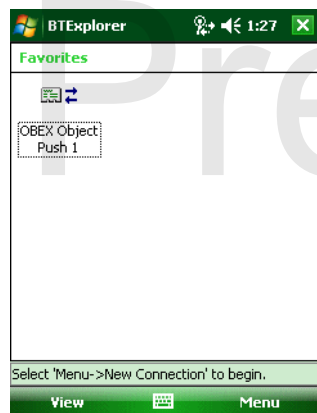
Figure 7-22   *Favorites Window*

Available Services

> **NOTE**   Some devices might not require a PIN. This depends upon the device's authentication.

The MC95XX offers the following services:

- File Transfer Services
- Dial-Up Networking Services
- OBEX Object Push Services
- Headset Audio Gateway Services
- Hands-Free Audio Gateway Services
- Serial Port Services

- Personal Area Networking Services
- IrMC Services
- A2DP/AVRCP.

See the following sections for information on these services.

File Transfer Services

> **NOTE**   Shared folders are a security risk.

To transfer files between the MC95XX and another Bluetooth enabled device:

1. MC95XXEnsure that OBEX File Transfer profile is enabled on the MC95XX. See *Profiles Tab on page 7-47* for more information.

> **NOTE**   If favorite connections have already been created, the **Favorites** screen displays. If no favorite connections have been created, the **New Connection Wizard** screen displays.

2. Use the **Connection Wizard** to search for a Bluetooth device.

3. Select the device and tap **Next**. The **Select Remote Service** window appears.

4. Tap **Next**. The **Connection Favorite Options** window appears.

5. Tap **Next**. The **Connection Summary** window appears.

6. Tap **Connect**. The remote device's accessible folders appear.
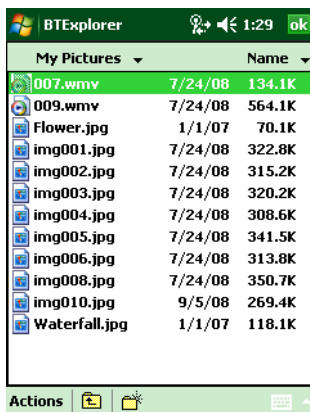
Figure 7-23   *File Transfer Window*

7. Double-tap the file to copy. The **Save Remote File** window appears.
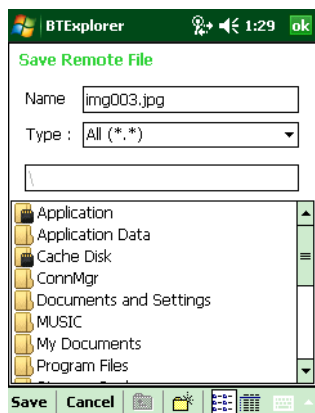
Figure 7-24   *Save Remote File Window*

8.   Tap and hold on the file. A pop-up menu appears.

9.   Select the action to perform:

   • **New** - create a new file or folder on the remote device

   • **Delete** - delete the selected file on the remote device.

   • **Get File** - copy the file from the remote device to the MC95XX.

   • **Put File** - copy a file from the MC95XX to the remote device.

Creating a New File or Folder

To create a new folder or file on the remote device:

1.   Tap and hold on the screen and select **New** > **Folder** or **New** > **File**. The **Create New Folder** or **Create New File** window appears.

2.   Enter the name for the new folder or file.

3.   Tap **OK** to create the new folder or file on the remote device.

Deleting a File

To delete a file from the remote device:

1.   Tap and hold on the file to delete and select **Delete**.

2.   In the **Delete Remote Device File** dialog box tap **Yes**.

Getting a File

To copy a file from a remote device:

1.   Double-tap or tap and hold on the file and select **Get**. The **Save Remote File** window appears.

2.   Navigate to the directory to save the file.

3.   Tap **Save**. The file is transferred from the remote device to the MC95XX.

Copying a File

To copy a file to a remote device:

1. Tap **Action** > **Put**. The **Send Local File** window appears.

2. Navigate to the directory to save the file and select a file.

3. Tap **Open**. The file copies from the MC95XX to the remote device.

Connecting to the Internet Using an Access Point

This section explains how to access a Bluetooth-enabled LAN access point (AP) for a network connection. Use Internet Explorer to connect to a server.

1. Ensure the MC95XX is discoverable and connectable. See *Device Info Tab on page 7-36*.

2. Ensure that the **Personal Area Networking** profile is enabled on the MC95XX. See *Profiles Tab on page 7-47* for more information.

3. Use the **Connection Wizard** to search for a Bluetooth AP.

   > ✓ *NOTE* If favorite connections have already been created, the **Favorites** screen displays. If no favorite connections have been created, the **New Connection Wizard** screen displays.

4. Select the **Personal Area Network** or **Network Access** service and select **Connect** from the pop-up menu. The MC95XX connects with the access point.

5. Tap **Start** > **Internet Explorer**. The **Internet Explorer** window appears.

6. In the address field, enter an internet address and tap the **Enter** button. The web page loads.

   > ✓ *NOTE* Network Access profile is not supported.

Dial-Up Networking Services

Dial-up networking allows the user to connect a PC or laptop to the MC95XX and use the MC95XX as a modem to connect to an office network or ISP.

Before setting up dial-up networking, obtain dial-up information and other necessary settings (username, password and domain name, if required) for the office network or ISP. To create a new Bluetooth connection:

1. Ensure the MC95XX is discoverable and connectable. See *Device Info Tab on page 7-36*.

2. Ensure that the **Dial-Up Networking** profile is enabled on the MC95XX. See *Profiles Tab on page 7-47* for more information.

3. Tap **Menu** > **Settings** > **Services** tab.

4. Tap **Add** button.

5. Select **Dial-up networking Service**.

6. Tap **OK**. The **Edit Local Services** window appears.
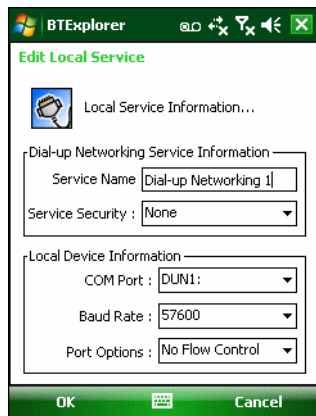
Figure 7-25   *Edit Local Service Window*

7. In the **Local COM Port** drop-down list, select **DUN1** for GSM configurations or **WMP9** for CDMA configurations.

8. Tap **OK** twice.

9. On the PC or laptop, set up Bluetooth according to the manufacturer's instructions.

10. On the PC or laptop Bluetooth software, search for the MC95XX and select the Dial-up Networking service.

11. Using dial-up software on the PC or laptop, connect to the MC95XX.

12. The MC95XX phone function dials the ISP number and connects to the ISP.

13. To verify, on the PC or laptop, launch Internet Explorer and open a web site.

Object Exchange Push Services

Object Exchange (OBEX) is a set of protocols that allows sharing objects such as Contacts or pictures using Bluetooth.

To exchange contact information with another Bluetooth enabled device:

1. Ensure the MC95XX is discoverable and connectable. See *Device Info Tab on page 7-36*.

2. Ensure that the **OBEX Object Push** profile is enabled on the MC95XX. See *Profiles Tab on page 7-47* for more information.

   ✓ *NOTE*   If favorite connections have already been created, the **Favorites** screen displays. If no favorite connections have been created, the **New Connection Wizard** screen displays.

3. Use the **Connection Wizard** to search for a Bluetooth device.

4. Select the device and tap **Next**.

5. Select the **OBEX Object Push** service and select **Connect**. The **OBEX Object Push** window appears.

6. In the **Action** drop-down list, select one of the following options: **Send Contact Information**, **Swap Contact Information**, **Fetch Contact Information**, or **Send a Picture**.

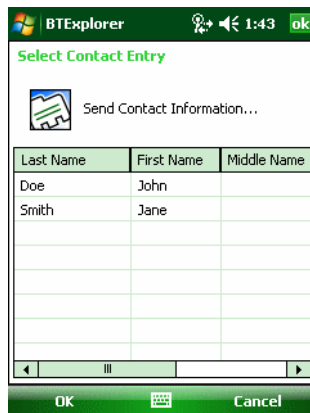### Sending a Contact

To send a contact to another device:

NOTE Prior to sending and receiving contacts, a default contact must be set up before attempting to send a contact.

1. Tap and hold on **OBEX Object Push** and select **Connect**. The **OBEX Object Push** window appears.

Figure 7-26 *OBEX Object Push Window*

2. In the **Action:** drop-down list, select **Send Contact Information**.

3. Tap [...] . The **Select Contact Entry** window appears.

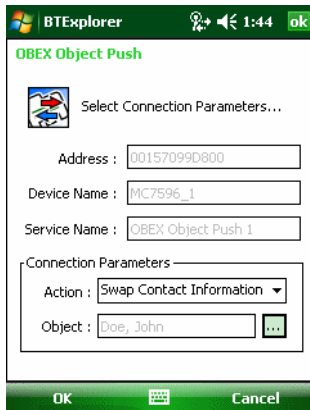**Figure 7-27** *Select Contact Entry Window*

4. Select a contact to send to the other device.

5. Tap **OK**.

6. Tap **OK** to send the contact to the other device and display a confirmation dialog box on the other device to accept the contact. A **Send Contact** dialog appears.

7. Tap **Ok**.

Swapping Contacts

To swap contacts with another device:

✓ *NOTE*   Prior to swapping contacts, a default contact must be set up before attempting to send a contact.

Ensure that the MC95XX is connectable.

1. Tap and hold on **OBEX Object Push** and select **Connect**. The **OBEX Object Push** window appears.

Figure 7-28   *OBEX Object Push Window*

2. In the **Action:** drop-down list, select **Swap Contact Information**.

3. Tap [...] . The **Select Contact Entry** window appears.

Figure 7-29   *Select Contact Entry Window*

4. Select a contact to send to the other device.

5. Tap **OK**.

6. Tap **OK** to swap contacts with the other device and display a confirmation dialog box on the other device to accept the contact.

7. Tap **Ok**.

Fetching a Contact

To fetch a contact from another device:

> **NOTE**   Prior to sending and receiving contacts, a default contact must be set up before attempting to send a contact.
>
> Ensure that the MC95XX is connectable.

1.   Tap and hold on **OBEX Object Push** and select **Connect**. The **OBEX Object Push** window appears.
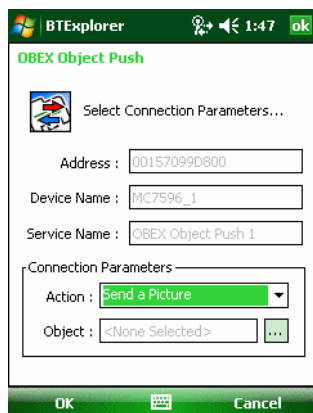

Figure 7-30   *OBEX Object Push Window*

2.   In the **Action:** drop-down list, select **Fetch Contact information**.

3.   Tap **OK**. The contact on the other device is copied.
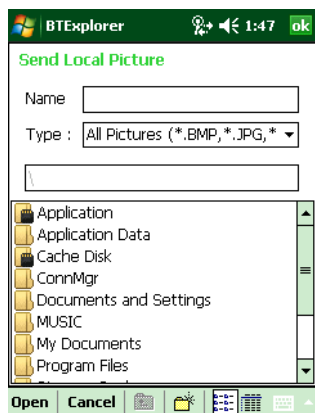
Sending a Picture

To send a picture to another device:

1.   Tap and hold on **OBEX Object Push** and select **Connect**. The **OBEX Object Push** window appears.

Figure 7-31   *OBEX Object Push Window*

2.   In the **Action:** drop-down list, select **Send A Picture**.

3.   Tap [...] . The **Send Local Picture** window appears.

Figure 7-32   *Send Local Picture Window*

4.   Navigate to the picture to send to the other device.

5.   Tap **Open**.

6.   Tap **OK** to send the picture to the other device and display a confirmation dialog box on the other device to accept the picture. A **Send Picture** dialog appears.

7.   Tap **Ok**.

Headset Services

To connect to a Bluetooth headset:

> **NOTE**   Newer Bluetooth headsets are device dependant and remember the last device they connected to. If problems occur while connecting to the headset, place the headset in discovery mode. Refer to the headset user manual for more information.

> **NOTE**   The headset tries to initiates the connection. If a connection is not established, then the Headset service is not enabled.

1.   Ensure the MC95XX is connectable (required when automatic re-connect is initiated). See *Device Info Tab on page 7-36*.

2.   Ensure that the **Headset** Audio Gateway service is enabled on the MC95XX. See *Services Tab on page 7-37* for more information.

3.   Use the **Connection Wizard** to search for a Bluetooth headset.

4.   Select the device and tap **Next**.

5.   Select the **Headset** service name and select **Connect**. The MC95XX connects to the headset. Refer to the headset user manual for instructions on communicating with a Bluetooth device.

> **NOTE**   When using a Bluetooth headset with Headset Services, you cannot accept or end a call from the headset. You must accept or end a call on the MC95XX.

6.   Press the communication button on the headset. This routes both system and WAN call audio to the headset.

7.   When a call is received on the MC95XX, tap the **Accept** button to answer the call.

8.   Press the communication button on the headset to route the audio back to the MC95XX.

Hands-free Services

To connect to a Bluetooth headset:

> **NOTE**   Newer Bluetooth headsets are device dependant and remember the last device they connected to. If problems occur while connecting to the headset, place the headset in discovery mode. Refer to the headset user manual for more information.
>
> Only WAN audio is routed to the headset. System audio is still emitted through the MC95XX speaker.
>
> You can accept calls and re-dial using the Hands-free profile.
>
> Hands-free profile does not support 3-way calling.

1. Ensure the MC95XX is connectable (required when automatic re-connect is initiated). See *Device Info Tab on page 7-36*.

2. Ensure that the **Hands Free** profile is enabled on the MC95XX. See *Profiles Tab on page 7-47* for more information.

3. Use the **Connection Wizard** to search for a Bluetooth hands-free headset.

4. Select the hand-free device and tap **Next**.

5. Select the **Hands-free** service name and select **Connect**. The MC95XX connects to the headset. Refer to the headset user manual for instructions on communicating with a Bluetooth device.

6. During an active connection, the MC95XX cannot go into suspend mode when the Power Button is pressed. A message appears notifying the user.

    Once the WAN call is disconnected (with Hands-free profile) the Power button is enabled.

Headset icon
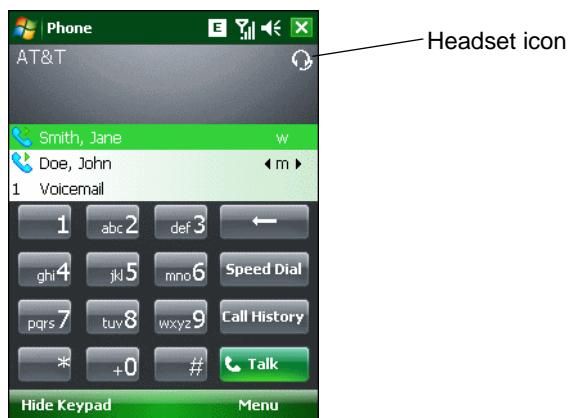
Figure 7-33   *WWAN Bluetooth Audio Notification Dialog Box*

Serial Port Services

Use the wireless Bluetooth serial port connection as you would a physical serial cable connection. Configure the application that will use the connection to the correct serial port.

To establish a serial port connection:

1. MC95XXUse the **Connection Wizard** to search for a Bluetooth serial device.

2. Select the device and tap **Next**. The **Connection Favorite Options** window appears.

3. In the **Local COM Port:** drop-down list select a COM port.

4. Tap **Finish**.

ActiveSync Using Serial Port Services

> *NOTE* By default, COM ports COM5, COM9, COM11, COM21, COM22 and COM23 are Bluetooth virtual ports. If an application opens one of these ports, the Bluetooth driver activates and guides you through a Bluetooth connection.

Use the wireless Bluetooth serial port connection for ActiveSync just as you would a physical serial cable connection. You must configure the application that will use the connection to the correct serial port.

Figure 7-34   *ActiveSync Connection Settings Window on PC*

To establish an ActiveSync connection:

1. MC95XXEnsure that the **Sync** profile is enabled on the MC95XX. See *Profiles Tab on page 7-47* for more information.

2. Use the **Connection Wizard** to search for a Bluetooth device, such as a PC. In the drop-down list select **ActiveSync via Bluetooth**.

3. Select the device and tap **Next**. The **Connection Favorite Options** window appears.

4. Tap **Connect**. The **Remote Service Connection** window appears.
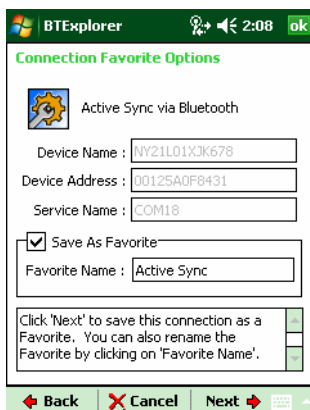
Figure 7-35   *Remote Service Connection Window*

5. In the **Service Type** drop-down list, select **Active Sync**.

6. Tap **OK**. The MC95XX connects the PC and an ActiveSync session begins.

7. Tap **Finish**. The Connection Favorite Options window appears.

8. To end the session, tap the ActiveSync icon in the **Favorite** window and select **Disconnect** from the pop-up window.

Personal Area Network Services

NOTE   This profile supports Ad-hoc and PAN User. Network Access Profile is not supported.

Connect two or more Bluetooth devices to share files, collaborate, or play multi-player games. To establish a Personal Area Network connection:

1. MC95XXEnsure that the **Personal Area Networking** profile is enabled on the MC95XX. See *Profiles Tab on page 7-47* for more information.

2. Use the **Connection Wizard** to search for a Bluetooth device.

3. Select the device and tap **Next**. The **Connection Favorite Options** window appears.

4. Tap **Next**. The **Connection Summary** window appears.

5. Tap **Connect**. The MC95XX connects to the Bluetooth device.

IrMC Synchronization Services

IrMC Synchronization is used to synchronize PIM contacts between a remote device and the MC95XX. To establish an IrMC synchronization:

1. Ensure the MC95XX is connectable (required when automatic re-connect is initiated). See *Device Info Tab on page 7-36*.

2. Ensure that the **Sync** profile is enabled on the MC95XX. See *Profiles Tab on page 7-47* for more information.

3. Tap **Menu** > **Settings** > **Services** tab.

4. Tap **Add** button.

5. Select **IrMC Synchronization**.

6. Tap **OK**. The **Edit Local Services** window appears.

7. Tap **OK** twice.

8. Use the **Connection Wizard** to search for a Bluetooth device, such as a Car Kit.

9. Select the device and tap **Next**. The **Connection Favorite Options** window appears.

10. Tap and hold **IrMA Synchronization** and select **Connect** in the pop-up menu.

NOTE   To automatically transfer contact with a Car Kit, ensure that the IrMC Synchronization service is enabled on the MC95XX.

A2DP/AVRCP Services

A2DP/AVRCP is used to connect to a high-quality stereo headset:

1. Ensure the MC95XX is connectable (required when automatic re-connect is initiated). See *Device Info Tab on page 7-36*.

2. Ensure that the remote Bluetooth device is in discoverable mode. See the devices user manual for instructions.

3. Ensure that the **A2DP/AVRCP** profile is enabled on the MC95XX. See *Profiles Tab on page 7-47* for more information.

4. Tap **Menu** > **Settings** > **Services** tab.

5. Tap **Add** button.

6. Select **Advanced Audio Distribution Services**.

7. Tap **OK**. The **Edit Local Services** window appears.

8. Tap **OK** twice.

9. Tap Menu > New Connection.

10. Select **Connect to High-Quality Audio** from the drop-down list.

11. Tap **Next**.

12. Select the device and tap **Next**.

13. Enter the PIN Code for the remote device and then tap **OK**. The **Connection Favorite Options** window appears.

14. Tap **Next**.

15. Tap **Connect**. The MC95XX connects to the high-quality audio headset.

For stereo headsets that can use hands-free services, connect to the hands-free service after connecting to the A2DP service:

1. Tap **Menu** > **New Connection**.

2. Select **Connect to Headset** from the drop-down list.

3. Tap **Next**.

4. Select the stereo headset and tap **Next**.

5. Select the **Hands-Free unit** service and then tap **Next**.

6. Tap **Next**.

7. Tap **Connect**.

Connect to a HID Device

The MC95XX can connect to an Human Interface Device (HID) device such as a Bluetooth keyboard:

1. Ensure the MC95XX is connectable (required when automatic re-connect is initiated). See *Device Info Tab on page 7-36*.

2. Ensure that the remote Bluetooth device is in discoverable mode. See the device user manual for instructions.

3. Ensure that the **HID Client** profile is enabled on the MC95XX. See *Profiles Tab on page 7-47* for more information.

4. Tap **Menu** > **New Connection**.

5. Select **Explore Services on Remote Device** from the drop-down list.

6. Tap **Next**.

7. Select the device and tap **Next**.

8. Select the service and tap **Next**.

9. The **Connection Favorite Options** window appears.

10. Tap **Next**.

11. Tap **Connect**. The MC95XX connects to the HID device.

Bonding with Discovered Device(s)

A bond is a relationship created between the MC95XX and another Bluetooth device in order to exchange information in a secure manner. Creating a bond involves entering the same PIN on the two devices. After creating a bond and turning on the Bluetooth radios, the devices recognize the bond and can exchange information without re-entering a PIN.

To bond with a discovered Bluetooth device:

> ✓ *NOTE* If favorite connections have already been created, the **Favorites** screen displays. If no favorite connections have been created, the **New Connection Wizard** screen displays.

1. Tap the **Bluetooth** icon and select **Show BTExplorer**. The **BTExplorer** window appears.

2. Tap **Menu** > **New Connection**. The **New Connection Wizard** window appears.

3. In the drop-down list, select **Pair with Remote Device**.

4. Tap **Next**. The **Select Remote Device** window appears.

> ✓ *NOTE* Devices discovered previously are listed to save time. To start a new device discovery, tap and hold on the list area and select **Discover Devices** from the pop-up menu.
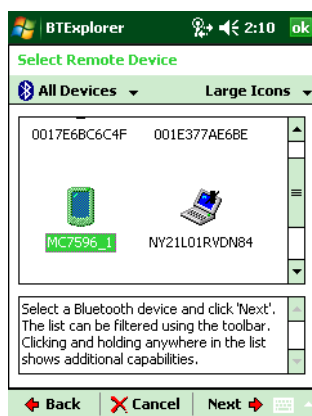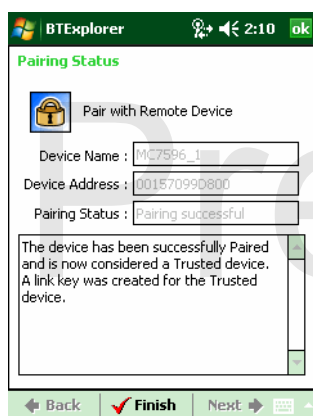

Figure 7-36   *Select Remote Device Window*

5. Select a device from the list and tap **Next**. The **PIN Code Request** window appears.
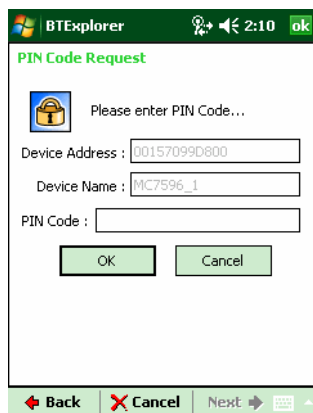
Figure 7-37   *Connection Favorite Options Window*

6.   In the **PIN Code** field, enter the PIN code.

7.   Tap **OK**. The **Pairing Status** window displays.

Figure 7-38   *Pairing Status Window*

8.   Tap **Finish**. The devices are successfully paired. The device name moves to the **Trusted Devices** window.

### Deleting a Bonded Device

To delete a device no longer needed:

1.   Tap the **Bluetooth** icon and select **Show BTExplorer**. The **BTExplorer** window appears.

2.   Tap **Menu** > **Trusted Devices**. The **Trusted Devices** window appears.

3.   Tap and hold on the device select **Delete Link Key** in the pop-up menu.

4.   A confirmation dialog appears. Tap **Yes**.

Accepting a Bond

When a remote device wants to bond with the MC95XX, enter a PIN when requested to grant permission.

1.   Ensure that the MC95XX is set to discoverable and connectable. See *Bluetooth Settings on page 7-36*. When prompted to bond with the remote device the **PIN Code Request** window appears.
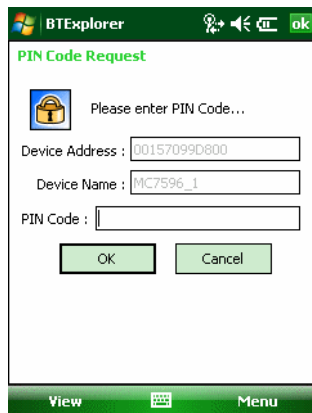
Figure 7-39   *PIN Code Request Window*

2. In the **PIN Code:** text box, enter the same PIN entered on the device requesting the bond. The PIN must be between 1 and 16 characters.

3. In the **Device Name:** text box, edit the name of the device requesting the bond, if desired.

4. Tap **OK** to create the bond. The MC95XX can now exchange information with the other device.

Bluetooth Settings

Use the **BTExplorer Settings** window to configure the operation of the **BTExplorer** application. Tap **Menu** > **Settings**. The **BTExplorer Settings** window appears.

Device Info Tab

Use the **Device Info** tab to configure the MC95XX's Bluetooth connection modes.

Figure 7-40   *BTExplorer Settings - Device Info Tab*

Table 7-3   *Device Info Tab Data*

Item	Description
Device Name	Displays the name of the MC95XX.
Discoverable Mode	Select whether or not the MC95XX is discoverable by other Bluetooth devices.
Connectable Mode	Select whether or not the MC95XX is connectable by other Bluetooth devices.

Services Tab

NOTE   Ensure that the MC95XX is discoverable and connectable when remote devices use MC95XX services.
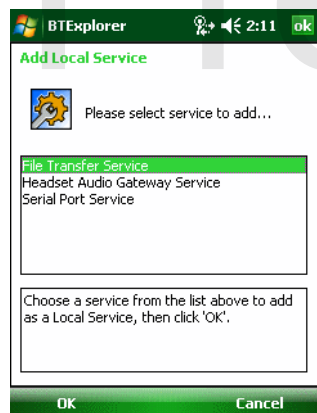
Use the **Services** tab to add or delete Bluetooth services.
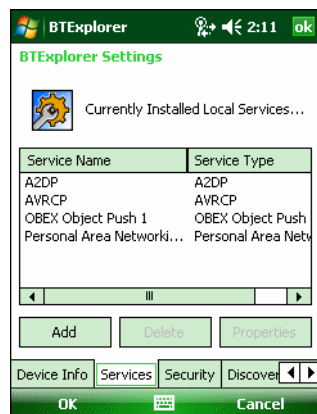
Figure 7-41   *BTExplorer Settings - Services Tab*

To add a service:

**1.**   Tap **Add**. The **Add Local Service** window displays.

Figure 7-42   *Add Local Service Window*

2.   In the list, select a service to add.

3.   Tap **OK**. The **Edit Local Service** window displays for the selected service.

4.   Select the appropriate information and then tap **OK**. See the following sections for information on the available services.

Dial-Up Networking Service

Dial-up Networking allows other Bluetooth devices to access a dial-up modem.
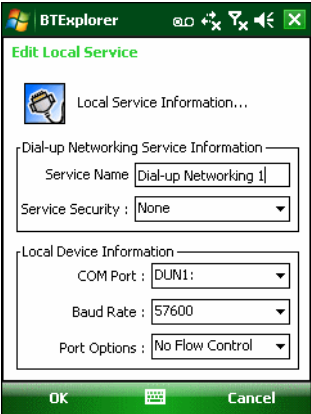
Figure 7-43 *BTExplorer Settings - Dial-up Networking Information*

Table 7-4 *Dial-up Networking Information Data*

Item	Description
Service Name	Displays the name of the service.
Service Security	Select the type of security from the drop-down list. Options are **None**, **Authenticate**, or **Authenticate/Encrypt**.
Local COM Port	Select the COM port.
Local Baud Rate	Select the communication baud rate.
Local Port Options	Select the port option.

File Transfer Service

File transfer allows other Bluetooth devices to browse files.

Figure 7-44   *BTExplorer Settings - File Transfer Information*

Table 7-5   *File Transfer Information Data*

Item	Description
Service Name	Displays the name of the service.
Service Security	Select the type of security from the drop-down list. Options are **None**, **Authenticate**, or **Authenticate/Encrypt**.
Root Directory	Select the directory that other Bluetooth devices can access.
File Permissions	Select the file permissions for the selected directory. Check the appropriate box to grant read access, write access, and delete access.

Hands-Free Audio Gateway Service

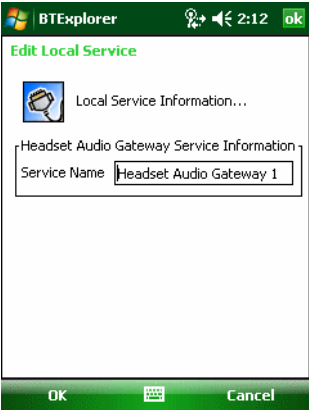Hands-Free Service Audio Gateway allows connection to hands-free devices.
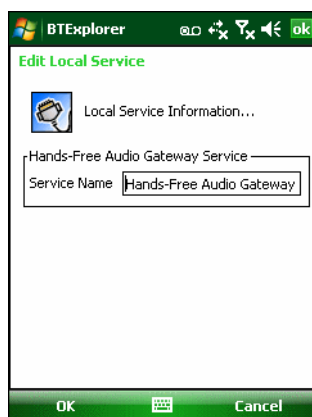
Figure 7-45   *BTExplorer Settings - Hands-Free Audio Gateway*

Table 7-6   *Hands-Free Audio Gateway Data*

item	Description
Service Name	Lists the name of the audio service.

Headset Audio Gateway Service

Headset Service Audio Gateway allows connection to headset devices.

Figure 7-46 *BTExplorer Settings - Headset Audio Gateway*

Table 7-7 *Headset Audio Gateway Data*

Item	Description
Service Name	Lists the name of the audio service.

IrMC Synchronization Service

The IrMC Synchronization service used to synchronize PIM contacts between a remote device and the MC95XX.
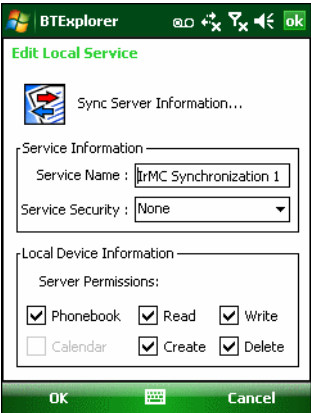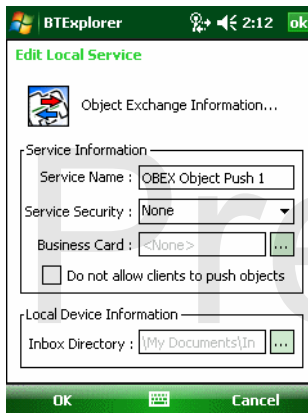

Figure 7-47 *BTExplorer Settings - IrMC Synchronization*

Table 7-8 *IrMC Synchronization Data*

Item	Description
Service Name	Displays the name of the service.
Service Security	Select the type of security from the drop-down list. Options are **None**, **Authenticate**, or **Authenticate/Encrypt**.
Phonebook	Select the **Phonebook** checkbox to allow synchronization with the MC95XX's contacts.
	Select **Read**, **Write**, **Create** and/or **Delete** to allow phonebook permissions.

OBEX Object Push Service

OBEX Object Push allows other Bluetooth devices to push contacts, business cards, pictures, appointments, and tasks to the MC95XX.

Figure 7-48 *BTExplorer Settings - OBEX Exchange Information*

Table 7-9 *OBEX Exchange Information Data*

Item	Description
Service Name	Displays the name of the service.
Service Security	Select the type of security from the drop-down list. Options are **None**, **Authenticate**, or **Authenticate/Encrypt**.
Do not allow clients to push objects	Disables clients from pushing objects to the MC95XX.
Inbox Directory	Select a directory where another Bluetooth device can store files.

Personal Area Networking Service

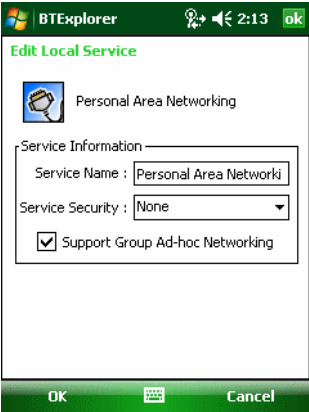Personal Area Networking hosts a Personal Area Network which allows communication with other Bluetooth devices.

Figure 7-49 *BTExplorer Settings - Personal Area Networking*

Table 7-10 *Personal Area Networking Data*

Item	Description
Service Name	Displays the name of the service.
Service Security	Select the type of security from the drop-down list. Options are **None**, **Authenticate**, or **Authenticate/Encrypt**.
Support Group Ad-Hoc Networking	Select to enable Ad-Hoc networking.

Serial Port Service

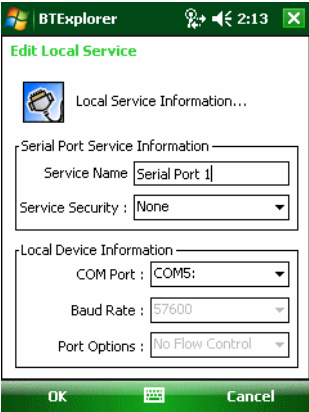Serial port allows other Bluetooth devices to access COM ports.

Figure 7-50 *BTExplorer Settings - Serial Port Services*

Table 7-11   *Serial Port Services Data*

Item	Description
Service Name	Displays the name of the service.
Service Security	Select the type of security from the drop-down list. Options are **None**, **Authenticate**, or **Authenticate/Encrypt**.
Local COM Port	Select the COM port.
Local Baud Rate	Select the communication baud rate.
Local Port Options	Select the port option.

Advanced Audio Distribution Service

Advanced Audio Distribution hosts connects from Bluetooth devices supporting high-quality stereo audio.
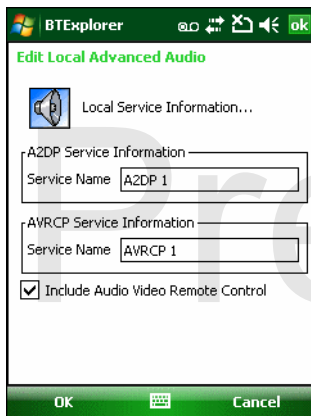
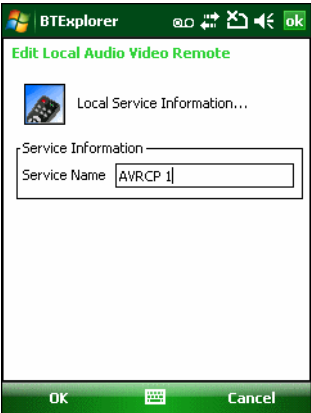**Figure 7-51**   *BTExplorer Settings - Advanced Audio Distribution*

Table 7-12   *Advanced Audio Distribution Data*

Item	Description
Service Name	Lists the name of the audio service.

Audio Video Remote Control Service

Audio Video Remote Control hosts connections from Bluetooth devices supporting audio remote-control functionality.

Figure 7-52 *BTExplorer Settings - Audio Video Remote Control*

Table 7-13 *Audio Video Remote Control Data*

Item	Description
Service Name	Lists the name of the audio service.

Security Tab

Security settings allows you to set global security policies for Bluetooth. Note that these settings are only active on local Services that are set to Authenticate or Authenticate/Encryption. You can set authentication on local Services under the Services tab.

To adjust the security settings for an individual service, select the **Services** tab first, then select the individual service, then **Properties**.



Figure 7-53 *BTExplorer Settings - Security Tab*

> **NOTE** To use PIN Code, select **Authenticate** or **Authenticate/Encrypt** from the Service Security drop-down list on each local service.

Table 7-14   *Security Tab Data*

Item	Description
Use PIN Code (Incoming Connection)	Select for automatic use of the PIN code entered in the **PIN Code** text box. It is recommended not to use this automatic PIN code feature. See *Security on page 7-2* for more information.
PIN Code	Enter the PIN code.
Encrypt Link On All Outgoing Connections	Select to enable or disable encryption on all outgoing connections to other Bluetooth devices.

Discovery Tab

Use the **Discovery** tab to set and modify discovered devices.
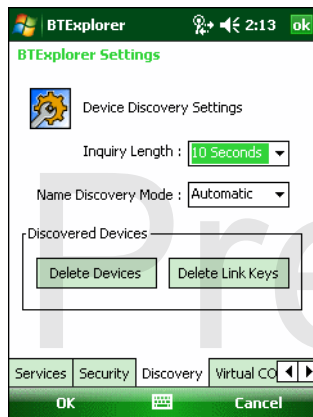
Figure 7-54   *BTExplorer Settings - Discovery Tab*

Table 7-15   *Discovery Tab Data*

Item	Description
Inquiry Length	Sets the amount of time the MC95XX takes to discover Bluetooth devices in the area.
Name Discovery Mode	Select either **Automatic** or **Manual** to automatically attempt to discover a Bluetooth device's name after finding the device.
Discovered Devices - Delete Devices	Deletes all discovered devices and link keys from memory.
Discovered Devices - Delete Linked Keys	Removes all pairing from remote Bluetooth devices, and makes them all un-trusted.

Virtual COM Port Tab

Virtual COM Port defines which COM ports BTExplorer attempts to use for virtual COM ports. Check the appropriate checkbox to use the port as a virtual COM port. When finished, choose **Apply** to enforce changes, or **Revert** to restore the original settings.
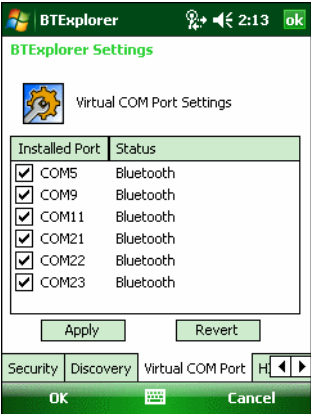
**Figure 7-55**   *BTExplorer Settings - Virtual COM Port Tab*

Table 7-16   *Virtual COM Port Tab Data*

Item	Description
COM5:Bluetooth	Enable or disable COM Port 5.
COM9:Bluetooth	Enable or disable COM Port 9.
COM11:Bluetooth	Enable or disable COM Port 11.
COM21:Bluetooth	Enable or disable COM Port 21.
COM22:Bluetooth	Enable or disable COM Port 22.
COM23:Bluetooth	Enable or disable COM Port 23.

HID Tab

Use the **HID** tab to select The Human Interface Device Profile programming interface defines the protocols and procedures to be used to implement HID capabilities.

Provides support for devices such as mice, joysticks, keyboards.
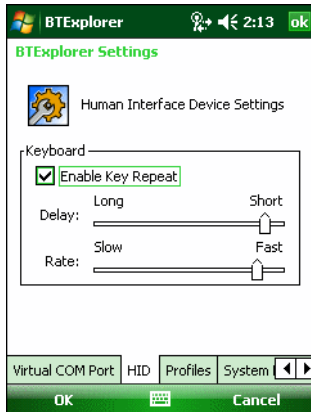
Figure 7-56 *BTExplorer Settings - HID Tab*

Table 7-17 *HID Tab Data*

Item	Description
Enable Key Repeat	Enables key repeat functionality.
Delay	To increase key repeat delay, drag the **Delay** slider to the right. To decrease key repeat delay, drag the **Delay** slider to the left.
Rate	To increase key repeat speed, drag the **Rate** slider to the left. To decrease key repeat speed, drag the **Rate** slider to the right.

Profiles Tab

Use the **Profile** tab to load or remove Bluetooth services profiles. If a profile is not used, it can be removed to save memory.
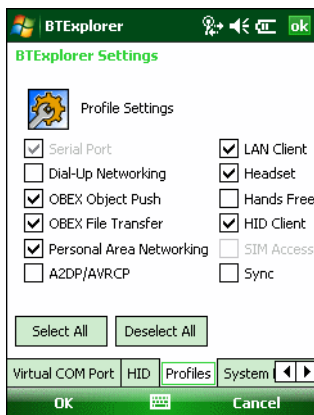
Figure 7-57 *BTExplorer Settings - Profile Tab*

1. Tap a check box next to the profile to load (activate).

    The Serial Port profile is always active and cannot be removed.

2. Tap **Select All** to select all profiles or tap **Deselect All** to deselect all profiles.

3. Tap **Apply** to activate the profiles and then **Close** to exit the application.
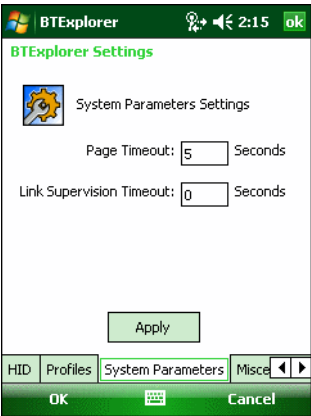
System Parameters Tab

Figure 7-58　*BTExplorer Settings - System Parameters Tab*

Table 7-18　*System Parameters Tab Data*

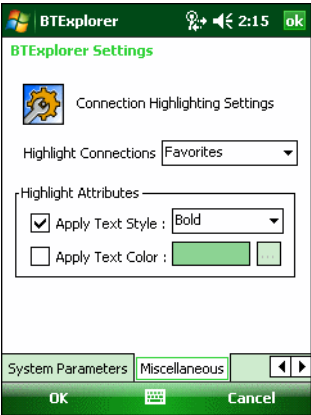| item	Description
Page Timeout	Sets the amount of time the MC95XX searches for a device before moving on the next device.
Link Supervision Timeout	Sets the amount of time that the MC95XX will wait for a device to come back into range after it has gone out of range. If the device does not come back into range by the set time, the MC95XX drops the connection.

Miscellaneous Tab

Figure 7-59　*BTExplorer Settings - Miscellaneous Tab*

Table 7-19 *Miscellaneous tab Data*

Item	Description
Highlight Connections	Select the connection type to highlight when connected. In the Wizard Mode, the only options are *Favorites* or *None*. In the Explorer Mode the options are **None**, **Tree View Only**, **List View Only**, or **Tree and List View**.
Apply Text Style	Select the text style to apply to the connection text.
Apply Text Color	Select the text color to apply to the connection text.

Preliminary

Preliminary

Chapter 8 Accessories

Introduction

Table 8-1 lists the accessories available for the MC95XX Series mobile computer.

Table 8-1   *MC95XX Series Accessories*

Accessory	Part Number	Description
Cradles		
Single Bay USB Cradle	CRD9500-1000UR	Charges the MC95XX main battery. Synchronizes the MC95XX with a host computer through a USB connection.
Four Bay Charge Only Cradle	CRD9500-4000CR	Charges up to four MC95XX devices.
Four Bay Ethernet Cradle	CRD9500-4000ER	Charges up to four MC95XX devices and connects the MC95XX with an Ethernet network.
Vehicle Cradle	VCD9500-1000R	Installs in a vehicle and charges the MC95XX main battery.
Chargers		
Single Slot Battery Charger	SAC9500-1000CR	Charges one MC95XX battery.
Four Slot Battery Charger	SAC9500-4000CR	Charges up to four MC95XX batteries.
Vehicle Battery Charger	VBC9500-1000R	Charges one MC95XX battery in a vehicle.
Miscellaneous		
Modem Dongle	MDM9000-100R	Provides modem connectivity for the MC95XX.
Magnetic Stripe Reader	MSR9500-100R	Snaps onto the MC95XX and adds magstripe read capabilities.
Spare 4800 mAh lithium-ion battery	BTRY-MC95IABA0 BTRY-MC95IABA0-10	Replacement 4800 mAh battery. Replacement 4800 mAh battery (10-pack).
Belt Mounted Rigid Holster	SG-MC9511110-01R	Clips onto belt to hold the MC95XX when not in use.

Table 8-1   *MC95XX Series Accessories (Continued)*

Accessory	Part Number	Description
Fabric Holster	SG-MC9521110-01R	Soft holder for added protection.
Handstrap	SG-MC9523043-01R	Replacement handstrap.
Cradle Guides	KT-122014-01R	Provides assistance for placing an MC95XX onto a four bay cradle (4-pack).
Screen Protector	KT-122010-01R	Package of 3 screen protectors.
Spare Stylus, 3 Pack	KT-122016-03R	Replacement stylus (3-pack).
Spare Stylus, 50 Pack	KT-122018-50R	Replacement stylus (50-pack).
Power Supply	KT-14000-148R	For Single Bay USB Cradle, Single Slot Battery Charger and Four Slot Battery Charger.
Power Supply	50-14000-241R	For Four bay cradles.
Cables		
DBX to microUSB Cable	25-116890-01R	
USB Charging Cable	TBS	Provides power to the MC95XX and USB communication with a host computer.
Charge Only Cable	25-122251-01R	Provides power to the MC95XX.
Auto Charge Cable	VCA9500-01R	Charges the MC95XX using a vehicle's cigarette lighter.
DEX Cable	25-116366-01R	Connects the MC95XX to a vendor machine.
3-way DC cable	25-116897-01R	Used to power up to three Four Slot Battery Chargers with one power supply (50-14000-241R).
USB ActiveSync Cable	25-68596-01R	USB Client Communication Cable connects Single Bay USB Cradle to the host system.
Single Bay USB Cradle/Charger Y-Cable	25-122026-01R	Connect the Single Bay USB cradle and a Single Slot Battery Charger to a single power supply.
Modem Adapter Cable	28-116367-01R	Connect the MC95XX to the Modem Dongle.
Headset Adapter Cable	21-116368-01R	Connects a headset to the MC95XX.
AC Line Cord	23844-00-00R	Connects a power supply to an outlet (US only).
DC Cable	50-16002-029R	Connects from the four bay cradle to a power supply.
Vehicle Battery Charger Cable	25-122028-01R	This 'jumper' cable connects the vehicle battery charger to the vehicle cradle.
Brackets		
Desk Mounting Bracket	KT-116363-01R	Use for mounting a four bay cradle or two four slot battery chargers on a desk.

Table 8-1   *MC95XX Series Accessories (Continued)*

Accessory	Part Number	Description
Wall Mounting Bracket	KT-116362-01R	Use for mounting a four bay cradle or two four slot battery chargers on a wall.
Vehicle Mounting Bracket	KT-122012-01R	Used for mounting the vehicle cradle and vehicle battery charger in a vehicle.

Preliminary

Single Bay USB Cradle

This section describes how to use a Single Bay USB cradle with the MC95XX. For power and USB communication setup procedures refer to the *MC95XX Series Mobile Computer Integrator Guide.*

The Single Bay USB Cradle:

- Provides 5.4 VDC power for operating the MC95XX.

- Synchronizes information between the MC95XX and a host computer. Refer to the *MC95XX Integrator Guide* for information on setting up a partnership between the MC95XX and a host computer.

- Charges the MC95XX's battery.

Charging the MC95XX Battery

To charge the MC95XX battery:

1. Ensure that the cradle is connected to power.

2. Align and hook the MC95XX interface pocket onto the cradle's cleat.

Battery Status LED

Interface Pocket

Cleat
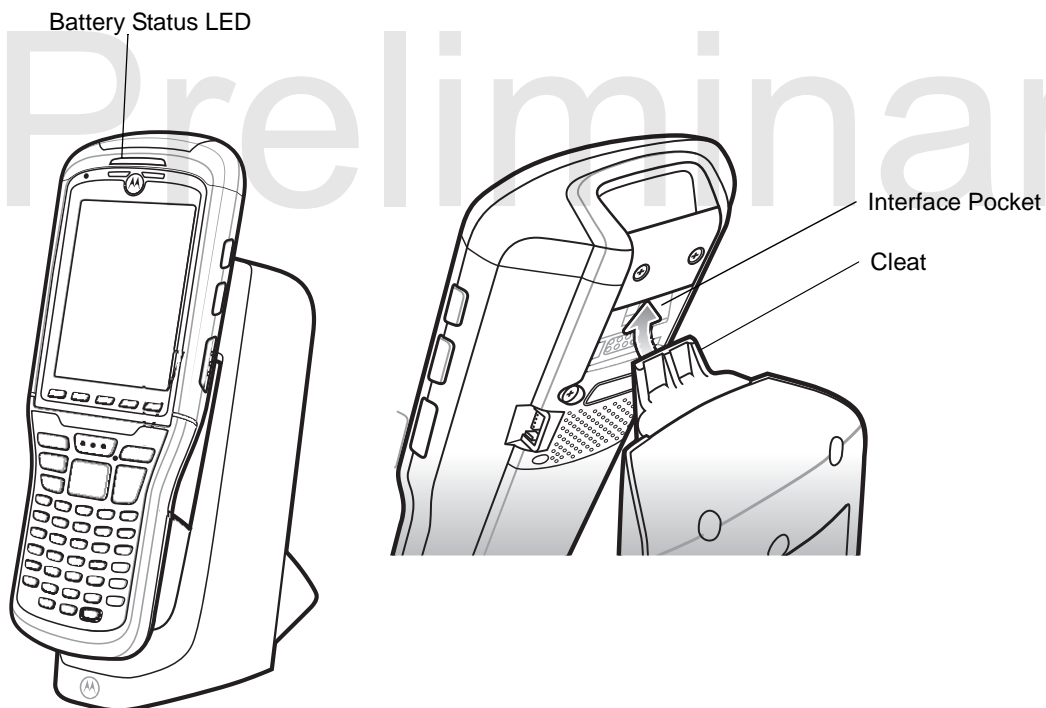
Figure 8-1   *MC95XX Battery Charging*

The MC95XX's Battery Status LED indicates the status of the battery charging in the MC95XX. See *Table 2-6 on page 2-7* for charging status indications. The 4800 mAh battery fully charges in less than six hours.
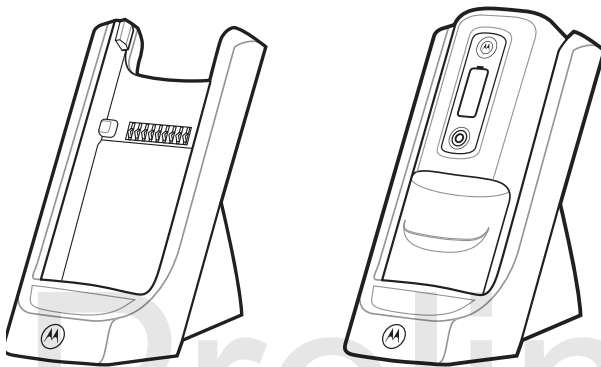
Single Slot Battery Charger

This section describes how to use a Single Slot Battery Charger.

Charging the Battery

To charge a spare battery:

1. Ensure that the charger is connected to power.

2. Insert the spare battery into the slot to begin charging.

Figure 8-2   *Single Slot Spare Battery Charging*

The charging status is indicated on the front of the battery. See *Table 2-7 on page 2-8* for charging status indications. The 4800 mAh battery fully charges in less than six hours.

Four Bay Charge Only Cradle

This section describes how to use a Four Bay Charge Only cradle with the MC95XX.
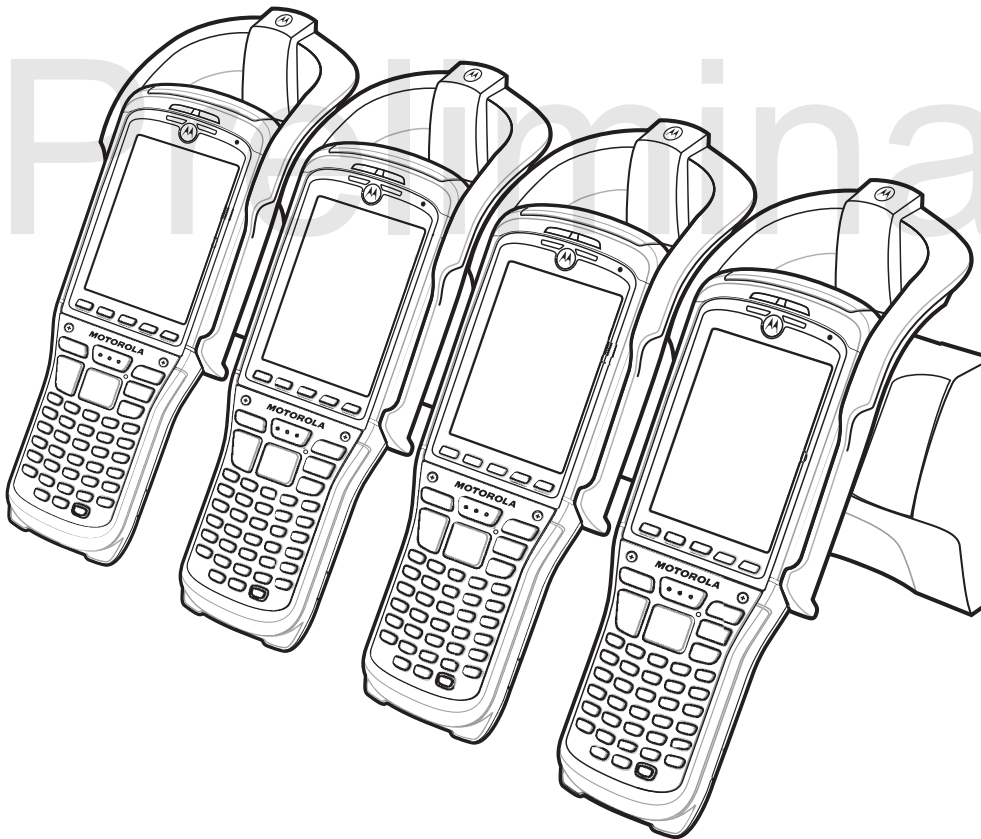
The Four Bay Charge Only cradle:

- Provides 5.4 VDC power for operating the MC95XX.

- Simultaneously charges up to four MC95XX devices.

- Mounts on a wall or desktop using the appropriate mounting bracket.

Charging

To charge the MC95XX:

1. Ensure that the cradle is connected to power.

2. Align and hook the MC95XX interface pocket onto the cradle's cleat. If available, use the guide to assist in placement of the MC95XX onto the cradle.

Figure 8-3   *Four Bay Charge Only Cradle with Optional Guide Cups*

The MC95XX's Battery Status LED shows the status of the battery charging in the MC95XX. See *Table 1-1 on page 1-7* for charging status indications. The 4800 mAh battery fully charges in less than six hours.

Four Bay Ethernet Cradle

This section describes how to use a Four Bay Ethernet cradle with the MC95XX. For setup and cradle communication setup procedures refer to the *MC95XX Integrator Guide*.
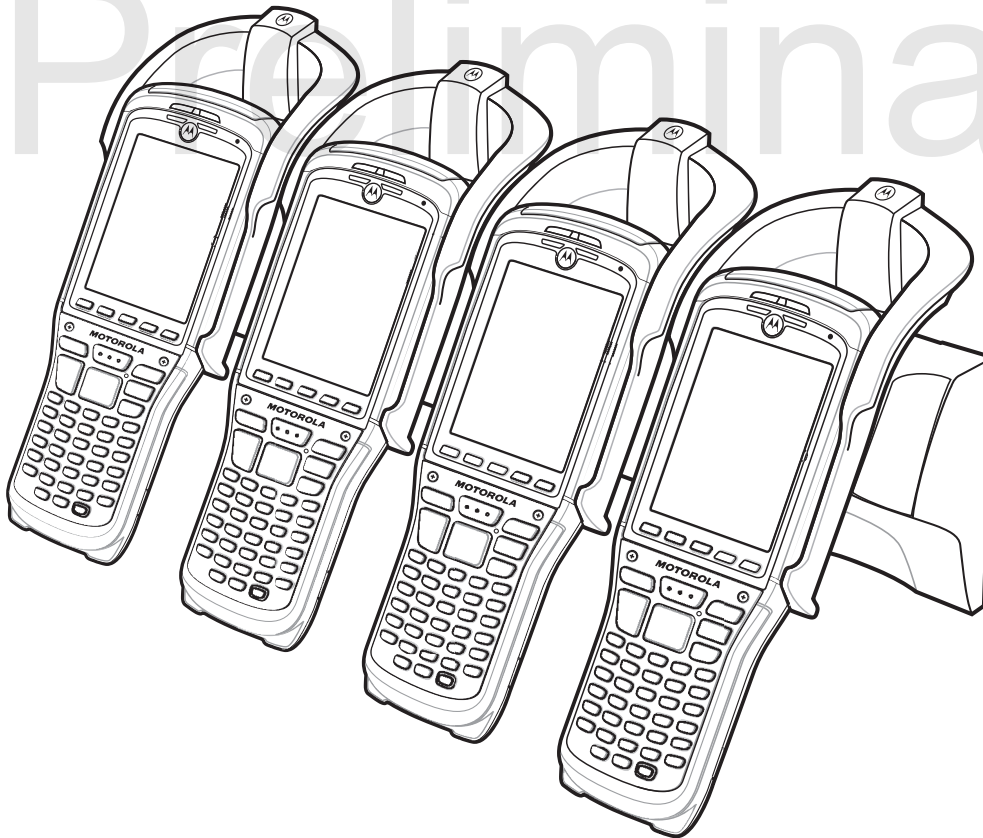
The Four Bay Ethernet cradle:

- Provides 5.4 VDC power for operating the MC95XX.

- Connects up to four MC95XX devices to an Ethernet network.

- Simultaneously charges up to four MC95XX devices.

- Mounts on a wall or desktop using the appropriate mounting bracket.

Charging

To charge the MC95XX:

1. Ensure that the cradle is connected to power.

2. Align and hook the MC95XX interface pocket onto the cradle's cleat. If available, use the guide to assist in placement of the MC95XX onto the cradle.

Figure 8-4 *Four Bay Ethernet Cradle with Optional Guide Cups*

The MC95XX's Battery Status LED shows the status of the battery charging in the MC95XX. See *Table 1-1 on page 1-7* for charging status indications. The 4800 mAh battery fully charges in less than six hours.

Four Slot Battery Charger

This section describes how to use the Four Slot Battery Charger.

The Four Slot Battery Charger:

- Simultaneously charges up to four MC95XX batteries.
- Mounts on a wall using the appropriate mounting bracket or desktop.

Battery Charging

To charge a battery:

1. Ensure that the charger is connected to power.

2. Insert a battery into a battery charging slot and gently press down on the battery to ensure proper contact.
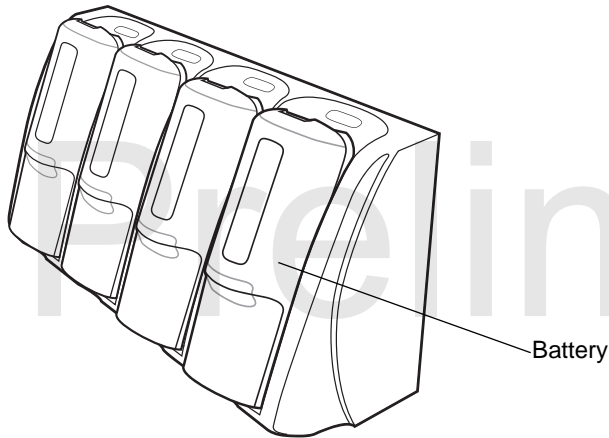
Battery

Figure 8-5 *Four Slot Battery Charger*

The charging status is indicated on the front of the battery. See *Table 2-7 on page 2-8* for charging status indications. The 4800 mAh battery fully charges in less than six hours.