

- **Level 1: Temperature Watch**; this level is similar to main battery low warning. It indicates that the battery temperature has reached the first threshold level. The user should move to an environment within proper operating temperature.
- **Level 2: Temperature Warning**; this level is similar to main battery very low warning. It indicates the battery temperature has reached the second threshold level. The user should close all running applications and stop using the MC55.
- **Level 3: Temperature Error**; this level indicates the battery has reached an unusable temperature threshold and immediately suspends the MC55. This level does not have any graphical notification associated with it.



Figure 2-20 Main Battery Temperature Watch Dialog Box

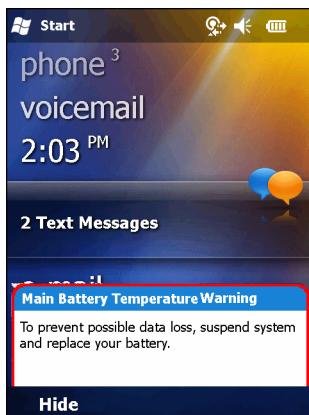



Figure 2-21 Main Battery Temperature Warning Dialog Box



NOTE The **Temperature Warning** dialog box remains visible until you tap **Hide**.

Battery Health

The health of the battery can be viewed on the MC55 Power applet. Tap  > **Settings** > **System** > **Power** > **BatteryMgmt**.

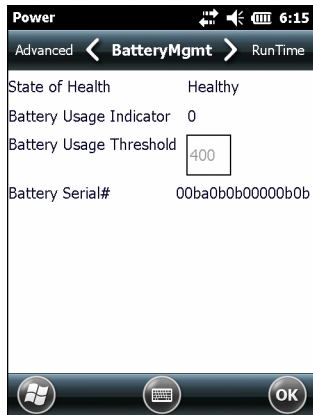


Figure 2-22 Battery Management Dialog Box

Table 2-6 Battery Information

Item	Description
State of Health	Indicates the current state of the battery (Healthy or Unhealthy).
Battery Usage Indicator	Indicates the usage of the battery.
Battery Usage Threshold	Indicates the usage indicator threshold.
Battery Serial #	Displays the serial number of the battery.

For information on changing the Battery Usage Threshold, refer to the *MC55 Integrator Guide*.

LED Indicators

The MC55 has three LED indicators. The Scan/Decode LED indicates status for scanning. The Charging/Battery Status LED indicates battery charging and status.

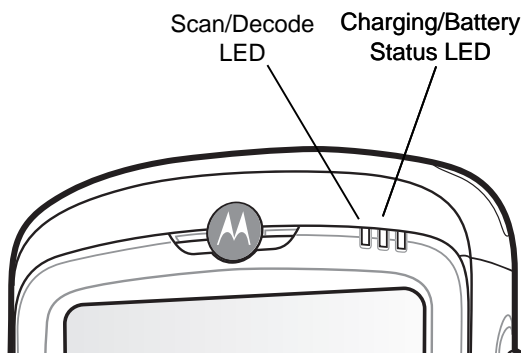


Figure 2-23 LED Indicators

Table 2-7 LED Indications

LED State	Indication
Scan/Decode LED	
Solid Green	Successful decode/capture.
Solid Red	Laser enabled, scanning/imaging in process.
Off	Not enabled.
Charging/Battery Status LED	
Slow Blinking Amber	Main battery in MC55 is charging.
Solid Amber	Main battery in MC55 is fully charged.
Fast Blinking Amber	Charging error.
Off	Not charging.
Single Blink Amber (when Power button pressed)	Battery depleted.
Blinking Amber (when Power button pressed)	Battery over-temperature condition.



NOTE For information about scanning/decoding, see [Chapter 3, Data Capture](#).

Resetting the MC55

There are two reset functions, warm boot and cold boot. A warm boot restarts the MC55 by closing all running programs. A cold boot also restarts the MC55, and also initializes some drivers. Data saved in flash memory or a memory card is not lost.







If the MC55 is not functioning properly, perform a warm boot first. If the MC55 still does not respond, perform a cold boot.

Performing a Warm Boot

Hold down the red **Power** button for approximately five seconds. As soon as the MC55 starts to boot (splash screen displays) release the **Power** button.

Performing a Cold Boot

To perform a cold boot:

- On a numeric keypad, simultaneously press the red **Power** button and the  and  keys.
- On an alphanumeric keypad, simultaneously press the red **Power** button and the  and  keys.
- On an PIM keypad, simultaneously press the red **Power** button and the  and  keys.

Waking the MC55

The wake-up conditions define what actions wake up the mobile computer after it has gone into suspend mode. The mobile computer can go into suspend mode by either pressing the Power button or automatically by Control Panel time-out settings. These settings are configurable and the factory default settings are shown in [Table 2-8](#) are subject to change/update.

Table 2-8 Wake-up Default Settings

Condition for Wake-up	Power Button	Automatic Time-out
AC power is applied.	No	Yes
Mobile computer is inserted into a cradle.	No	Yes
Mobile computer is removed from a cradle.	No	Yes
Mobile computer is connected to a USB device.	Yes	Yes
A key is pressed.	No	Yes
The scan triggered is pressed.	No	Yes
The screen is touched.	No	No
Bluetooth communication	Yes	Yes
IST activity	No	Yes
USB Host connected	No	No

Function Buttons

The MC55's buttons perform certain functions.

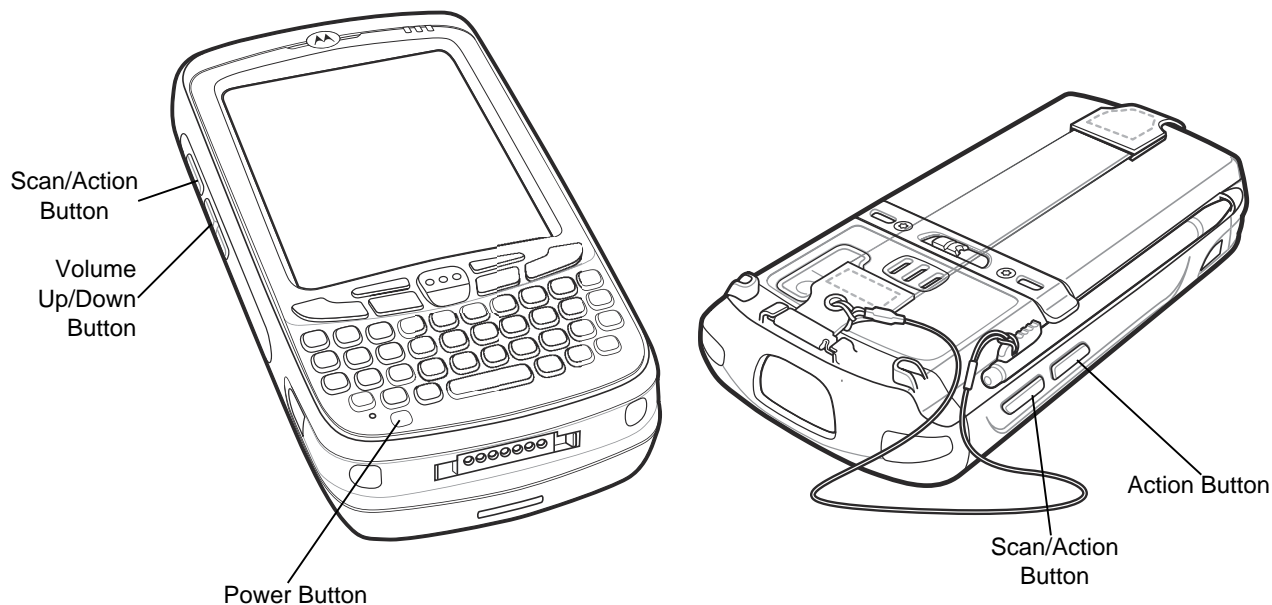


Figure 2-24 *Function Buttons*

- **Power:** Press the red **Power** button to turn the MC55 screen on and off. The MC55 is in suspend mode when the screen is off. For more information, see *Powering On the MC55* on page 1-7. Also use the **Power** button to reset the MC55 by performing a warm or cold boot. See *Resetting the MC55* on page 2-19.
- **Scan/Action:** Press to scan bar codes or capture images. See [Chapter 3, Data Capture](#). Or, press to open an application or perform a function. See the *Microsoft® Applications for Mobile 6 User Guide* to set an application to open.
- **Volume Up/Down:** Press to increase or decrease the MC55's volume.
- **Action:** Press to open an application or perform a function. See the *Microsoft® Applications for Windows Mobile 6 User Guide* to set an application to open.

Stylus

Use the MC55 stylus to select items and enter information. The stylus functions as a mouse.

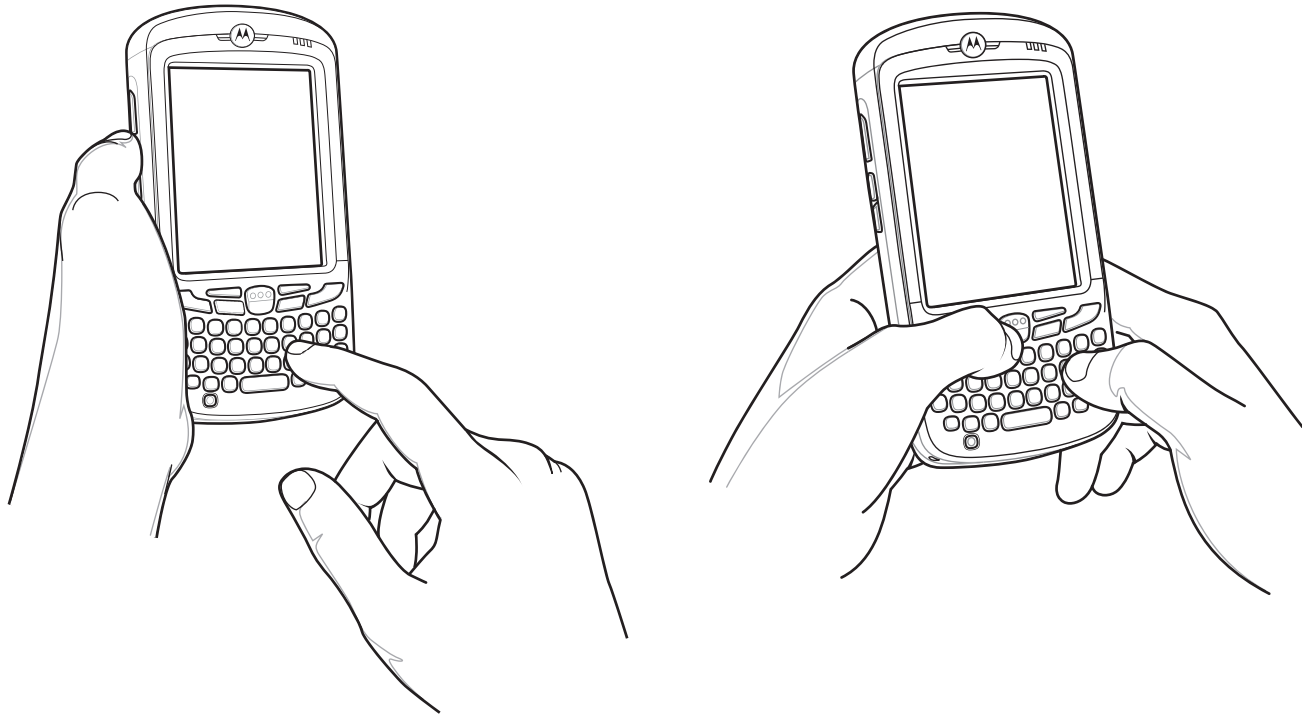
- **Tap:** Touch the screen once with the stylus to press option buttons and open menu items.
- **Tap and Hold:** Tap and hold the stylus on an item to see a list of actions available for that item. On the pop-up menu that appears, tap the action to perform.
- **Drag:** Hold the stylus on the screen and drag across the screen to select text and images. Drag in a list to select multiple items.



CAUTION To prevent damage to the screen, do not use any device other than the Motorola-provided stylus.

Entering Data

When entering data on the keypad, use either the single-hand method or the two-hand method as shown in [Figure 2-25](#).



Single-hand Method

Two-hand Method

Figure 2-25 *Entering Data on the Keypad*

Using Voice-Over-IP

✓ **NOTE** Voice-Over-IP is currently supported on the MC55A0. It will be supported on the MC55N0 in a future update.

The MC55 supports Voice over IP over WLAN (VoWLAN) using Motorola or third party voice clients. The MC55 can communicate using VoIP either using the MC55 supports several audio outputs, including back speaker phone, front receiver or handset, and Bluetooth headset.

It is recommended that the wireless network use the 802.11a (5 GHz) band for voice applications. Using the 5 GHz band avoids some noise sources that may occur on the 802.11b/g (2.4 GHz) band due to wireless interference.

When using a Bluetooth headset with the MC55 and VoWLAN, it is required to use the Bluetooth Headset profile instead of Hands-free profile. Use the buttons on the MC55 to answer and end calls. See [Chapter 4, Bluetooth](#) for information on setting up a Bluetooth Headset Profile.

Interactive Sensor Technology

The Interactive Sensor Technology (IST) supports the following features:

- **Power Management** – manages power by configuring IST to control switching on/off the backlight, control suspend mode of the MC55 by monitoring motion and orientation.
- **Display Orientation** – switches the screen orientation to either landscape or portrait depending on the MC55 orientation.
- **Free Fall Detection** – monitors free fall duration and records the time and type of the drop event.

Power Management

The MC55 orientation and motion sensitive data can be used as an indicator of MC55 usage and can be used to manage the battery power of the mobile computer. For example, IST can be configured to control the backlight on and off functionality or go into suspend according to a user gesture by placing screen facing down. It can also be used to keep the MC55 active while it is in movement to prevent it from quickly going into suspend mode while in use.

Display Orientation

The screen can be rotated between portrait and landscape modes automatically, depending on the physical orientation of the MC55. For example, if the MC55 is rotated 90° counterclockwise, IST rotates the display counterclockwise 90° so that the screen display appears correct.

This functionality is achieved by monitoring screen angle and rotating the display to counter any changes. IST only rotates the screen in multiples of 90°.

Free Fall Detection

IST continuously monitors gravitational force on the MC55 according to its current position. When the MC55 free falls, IST detects the absence of gravitational force and records the event data if it detects a free fall more than 450 ms, which may indicate nearly a one meter drop. This data can be used as an indicator of potential abuse or misuse.


IST features a log for recording the free fall events. This log records the date, time and the time period of the free fall.

USB Configuration

The MC55 can be placed into any of the following USB modes:

- USB Client - Sets the MC55 to USB Client mode.
- USB Host - Sets the MC55 to USB Host mode.
- USB On-the-Go - Sets the MC55 to automatically determine necessary mode (default).

To place the MC55 into one of these modes:

1. Tap  > **Settings** > **System** > **USBConfig**.
2. Select one of the USB radio buttons.
3. Tap **OK**.

CHAPTER 3 DATA CAPTURE

Introduction

The MC55 offers three types of data capture options:

- Linear scanning
- Imaging
- Digital camera.



NOTE To perform data capture a scanning enabled application must be installed on the MC55. A sample scanning application can be downloaded from the Motorola Support site at <http://support.symbol.com>.

Linear Scanning

MC55 with an integrated linear scanner have the following features:

- Reading of a variety of bar code symbologies, including the most popular linear, postal, and 1-D code types.
- Intuitive aiming for easy point-and-shoot operation.

Imaging

MC55 with an integrated imager have the following features:

- Omnidirectional reading of a variety of bar code symbologies, including the most popular linear, postal, PDF417, and 2D matrix code types.
- The ability to capture and download images to a host for a variety of imaging applications.
- Advanced intuitive laser aiming cross-hair and dot aiming) for easy point-and-shoot operation.

The imager uses digital camera technology to take a digital picture of a bar code, stores the resulting image in its memory, and executes state-of-the-art software decoding algorithms to extract the data from the image.

Operational Modes

MC55 with an integrated imager support three modes of operation, listed below. Activate each mode by pressing the **Scan** button.

- **Decode Mode:** In this mode, the MC55 attempts to locate and decode enabled bar codes within its field of view. The imager remains in this mode as long as you hold the scan button, or until it decodes a bar code.

✓ **NOTE** To enable Pick List Mode, download the Control Panel applet from the Support Central web site at <http://support.symbol.com>. Pick List can also be set in an application using a API command.

- **Pick List Mode:** This mode allows you to selectively decode a bar code when more than one bar code is in the MC55's field of view. To accomplish this, move the aiming crosshair or dot over the required bar code to decode only this bar code. This feature is ideal for pick lists containing multiple bar codes and manufacturing or transport labels containing more than one bar code type (either 1D or 2D).
- **Image Capture Mode:** Use this mode to capture an image within the MC55's field of view. This is useful for capturing signatures or images of items like damaged boxes.

Digital Camera

MC55 with an integrated digital camera have the following features:

- Omnidirectional reading of a variety of bar code symbologies, including the most popular linear, postal, PDF417, and 2D matrix code types.
- Advanced intuitive aiming for easy point-and-shoot operation.

The camera uses digital camera technology to take a digital picture of a bar code, stores the resulting image in its memory, and executes state-of-the-art software decoding algorithms to extract the data from the image.

Scanning Considerations

Typically, scanning is a simple matter of aim, scan, and decode and a few quick trial efforts master it. However, consider the following to optimize scanning performance:

- **Range**
Any scanning device decodes well over a particular working range — minimum and maximum distances from the bar code. This range varies according to bar code density and scanning device optics.
Scanning within range brings quick and constant decodes; scanning too close or too far away prevents decodes. Move the scanner closer and further away to find the right working range for the bar codes being scanned.
- **Angle**
Scanning angle is important for promoting quick decodes. When laser beams reflect directly back into the scanner from the bar code, this specular reflection can “blind” the scanner.
To avoid this, scan the bar code so that the beam does not bounce directly back. But don't scan at too sharp an angle; the scanner needs to collect scattered reflections from the scan to make a successful decode. Practice quickly shows what tolerances to work within.
- Hold the MC55 farther away for larger symbols.
- Move the MC55 closer for symbols with bars that are close together.

- ✓ **NOTE** Scanning procedures depend on the application and MC55 configuration. An application may use different scanning procedures from the one listed above.

Linear Scanning

To read a bar code, a scan-enabled application is required. The MC55 contains the **DataWedge** application that allows the user to enable the scanner to decode bar code data and display the bar code content.

1. Ensure that a scan enabled application (DataWedge) is loaded on the MC55. See *DataWedge on page 3-6*.
2. Aim the scan window at the bar code.

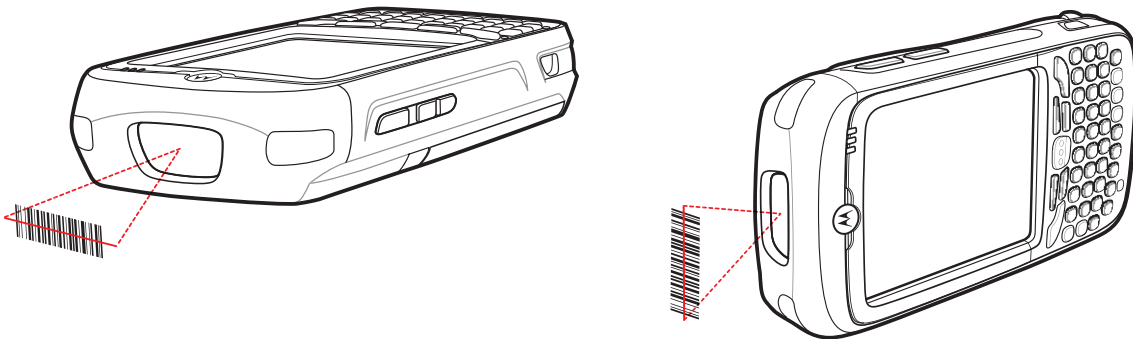


Figure 3-1 Linear Scanning

3. Press the scan button. Ensure the red scan beam covers the entire bar code. The Scan/Decode LED lights red to indicate that scanning is in process, then lights green and a beep sounds, by default, to indicate the bar code was decoded successfully.

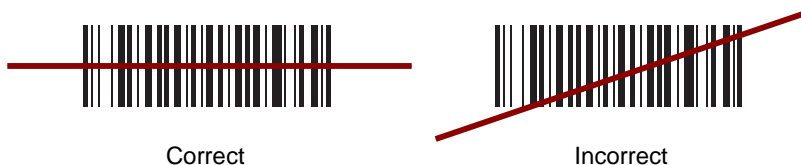


Figure 3-2 Linear Scanner Aiming Pattern

Imager Scanning

To read a bar code, a scan-enabled application is required. The MC55 contains the **DataWedge** application that allows the user to enable the scanner to decode bar code data and display the bar code content.

1. Ensure that a scan-enabled application (DataWedge) is loaded on the MC55. See *DataWedge on page 3-6*.
2. Aim the scan window at the bar code.

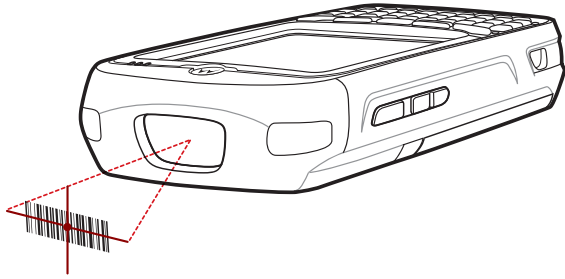


Figure 3-3 *Imer Scanning*

3. Press the scan button.

The red laser aiming pattern or aiming dot turns on to assist in aiming. Ensure the bar code is within the area formed by the brackets in the aiming pattern or close to the aiming dot. The aiming dot is used for increased visibility in bright lighting conditions.

The Scan/Decode LED lights red to indicate that scanning is in process, then lights green and a beep sounds, by default, to indicate the bar code was decoded successfully. Note that when the MC55 is in Pick List Mode, the imager does not decode the bar code until the crosshair or aiming dot touches the bar code.

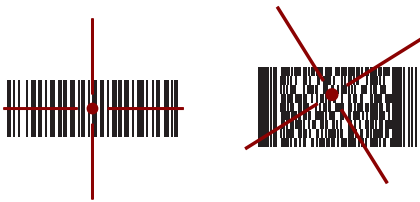


Figure 3-4 *Imer Aiming Pattern: Bar Code Centered*



Figure 3-5 *Imer Aiming Pattern: Bar Code Not Centered*



Figure 3-6 *Pick List Mode with Multiple Bar Codes in Aiming Pattern*

4. Release the scan button.





NOTE Imager decoding usually occurs instantaneously. The MC55 repeats the steps required to take a digital picture (image) of a poor or difficult bar code as long as the scan button remains pressed.

Using the RS507 Hands-free Imager

An RS507 Hands-free Imager can be used with the MC55 to capture bar code data.

To set up the MC55 and RS507:

1. Tap  > **BTScannerCtlPanel** icon.
2. Select the **BT Scanner** checkbox and then select the appropriate Com port from the drop-down list.
3. Tap **Save and Exit**.
4. Tap  > **Display_BD_Address** icon. A bar code displays.
5. Point the RS507 to the bar code. The RS507 reads the bar code and begins pairing with the MC55. If required, enter PIN (12345).
6. Launch a scanning enabled application.
7. Point the RS507 at a bar code to read the bar code data.

Refer to the *RS507 Hands-free Imager Product Reference Guide* for more information.

Digital Camera Scanning

1. Ensure that a scan-enabled application (DataWedge) is loaded on the MC55. See *DataWedge on page 3-6*.
2. Aim the camera lens on the back of the MC55 at a bar code.
3. Press and hold the scan button. A preview window appears on the display window with a red aiming reticle in the center. The Scan/Decode LED lights red to indicate that scanning is in process.

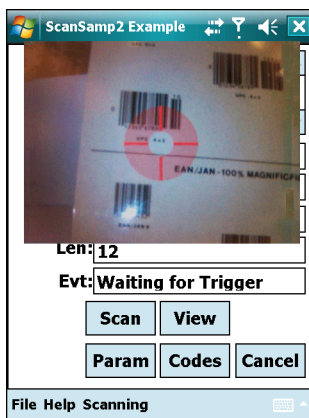


Figure 3-7 Sample Scan Application with Preview Window

4. Move the MC55 until the red aiming reticle is over the bar code to scan.
5. The Scan/Decode LED lights green and a beep sounds, by default, to indicate the bar code was decoded successfully.

✓ **NOTE** The camera decode feature is set by default to automatically decode the bar code when read. This feature can be programmed to display a green aiming reticle upon good decode indicating that the bar code has been successfully decoded and to release the scan button.


DataWedge

- ✓ **NOTE** On MC55N0, by default, DataWedge is loaded but not installed on the MC55. An installation file resides in the Windows folder.

Installation


- ✓ **NOTE** For MC55N0 only.

To install **DataWedge**:

1. Tap  > **File Explorer**.
2. Navigate to the **Windows** folder.
3. Scroll to the **DataWedge** file.
4. Tap the **DataWedge** file. The installation begins. Follow the on-screen instructions to complete the installation.


Enable DataWedge

To enable DataWedge:

1. Tap  > **Settings** > **System** > **DataWedge**.
2. Tap **Basic configuration**.
3. Tap **1. Barcode input**.
4. Tap one of the following:
 - a. **1. 1D Scanner Driver** or **1. Block Buster Imager**.
 - b. **2. Camera Scanner Driver**
 - c. **3. Bluetooth SSI Scanner Driver**
5. Ensure that a check mark is next to **1. Enabled**. If not, tap **1. Enabled**.
6. Tap **0. Back**.
7. Tap **0. Back**.
8. Tap **0. Exit** and then tap **OK**.
9. Tap **Running** to start the DataWedge process. The DataWedge Status changes to **Ready**.
10. Tap **OK**.

Disable DataWedge


To disable DataWedge:

1. Tap  > **Settings** > **System** > **DataWedge**.
2. Tap the **Running** option to end the DataWedge process. The DataWedge Status changes to **Stopped**.

3. Tap **OK**.


Taking Photos

To take a photo:

1. Tap  > **Programs** > **Pictures & Videos** icon.
2. Tap **Camera** on the command bar.
3. Check the image on the view finder, adjust if necessary.
4. Press the **Enter** key to take the picture. Hold the MC55 still until the shutter sound is heard.

Recording Video

To record a video clip:

1. Tap  > **Programs** > **Pictures & Videos** icon.
2. Tap **Camera** on the command bar.
3. Tap **Menu** > **Video** to set shooting mode to video.


The available recording time displays on the screen.

✓ **NOTE** By default, the time limit for recording videos is set to 30 seconds.

4. Press the **Enter** key to begin recording.
Recording stops when you press the **Enter** button again.

Viewing Photos and Videos

To view photos and video clips:

1. Tap  > **Programs** > **Pictures & Videos** icon.
2. Tap the picture or video clip to view.

CHAPTER 4 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.

MC55s 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 MC55 as a modem, create a dial-up modem connection between a computer and MC55.

The MC55 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 MC55 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.

Security Mode 3 (Link Level Encryption)

The MC55 supports Security Level 3 (Link Level Encryption). Link level encryption is the data security process of encrypting information at the data link level as it is transmitted between two devices.

Microsoft Bluetooth Stack

When pairing with a remote device using the Microsoft Bluetooth UI, Security Level 3 (Link Level Encryption) is automatically used. When developing applications using the Microsoft Bluetooth stack, enable Security Mode 3 using the *BthSetEncryption* API call. Refer to the Microsoft MSDN for more information.

StoneStreet One Bluetooth Stack

To set Security Mode 3 on outgoing serial port connections, set **Encrypt Link On All Outgoing Connections** checkbox in the **Settings > Security**. See *Security on page 4-36* for more information.

Bluetooth Configuration

By default, the MC55 is configured to using the Microsoft Bluetooth stack. Refer to the MC55 Integrator Guide, Appendix B, for information on switching to the StoneStreet One Bluetooth stack.

Table 4-1 list the services supported by the Microsoft Bluetooth stack and the StoneStreet One Bluetooth stack.

Table 4-1 *Bluetooth Services*

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

Table 4-2 list the COM ports available for the StoneStreet One Bluetooth stack and the Microsoft Bluetooth stack.

Table 4-2 *COM Ports*

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

Bluetooth Power States

Cold Boot

With StoneStreet One Bluetooth Stack

Performing a cold boot on the MC55 turns off Bluetooth after initialization (which takes a few moments). It is normal to see the **Bluetooth** icon appear and disappear (when using the Classic Home screen), as well as a wait cursor, when initialization proceeds in all modes.

With Microsoft Bluetooth Stack

Performing a cold boot retain the state of the Bluetooth radio prior to the cold boot.

Warm Boot

With StoneStreet One Bluetooth Stack

Performing a warm boot on the MC55 turns off Bluetooth.

With Microsoft Bluetooth Stack

Performing a warm boot retain the state of the Bluetooth radio prior to the warm boot.

Suspend

When there is an active Bluetooth connection, the Bluetooth radio goes into low power mode maintaining the active connection. When there is no active connection, the Bluetooth radio turns off.

With StoneStreet One Bluetooth Stack

- ✓ **NOTE** If there is an active Bluetooth connection between the MC55 and another Bluetooth device, the MC55 will not timeout. However, if the user presses the Power button on the MC55, the MC55 will suspend and upon receiving data from a remote Bluetooth device, the MC55 will wake from suspend mode. For example, Bluetooth scanner sending data to the MC55.

With Microsoft Bluetooth Stack

- ✓ **NOTE** If there is an active Bluetooth connection between the MC55 and another Bluetooth device and there is no data activity, the MC55 will timeout. However, if the user presses the Power button on the MC55, the MC55 will suspend and upon receiving data from a remote Bluetooth device, the MC55 will wake from suspend mode. For example, Bluetooth scanner sending data to the MC55.

Resume

When the MC55 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

- ✓ **NOTE** On devices with Windows Mobile 6.5.3, turn the Bluetooth radio on or off using the **Wireless Manager**. Tap the Status bar and select the **Connectivity** icon. Tap **Wireless Manager**.

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 MC55. 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  > **Setting** > **Connections** > **Bluetooth** icon > **Mode**.

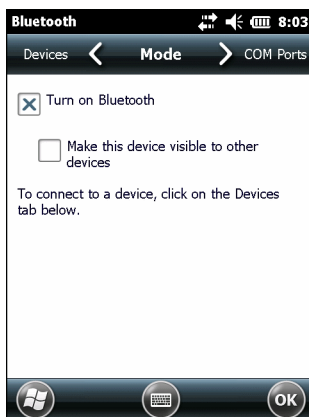


Figure 4-1 Bluetooth Mode

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  > **Setting** > **Connections** > **Bluetooth** icon > **Mode**.

2. Un-check the **Turn On Bluetooth** checkbox.
3. Tap **OK**.

Discovering Bluetooth Device(s)

The MC55 can receive information from discovered devices without bonding. However, once bonded, the MC55 and a bonded device exchange information automatically when you turn the Bluetooth radio on. See *Bonding with Discovered Device(s)* on page 4-30 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  > **Settings** > **Connections** > **Bluetooth** > **Devices**.



Figure 4-2 *Bluetooth - Devices*

5. Tap **Add new device**. The MC55 begins searching for discoverable Bluetooth devices in the area.

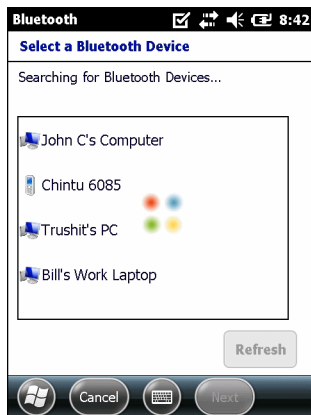


Figure 4-3 *Searching for Bluetooth Devices*

6. Select a device from the list.