Pocket iQ™ Hardware and Software User Manual

Pocket iQ™ Hardware and Software User Manual

www.nexiq.com

The device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This device contains FCC-ID-POOWML-C30XX.

CE 0700 ①

Approved in accordance to R&TTE directive transmitter module marked by "CE product label", manufactured by MITSUMI Incorporated to OEM product.

Part No. 993080   Revised 11/22/2013

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Using this Manual

▼ *Manual Overview, page 2*

▼ *Conventions, page 3*

This chapter provides an overview of this manual's organization and the conventions used throughout.

NOTE:

The screens used in this manual for illustrating the features and functions of the Pocket iQ™ may vary from the actual screens you see when running your own application. The screens shown in this manual are for demonstrative purposes only.

Manual Overview

This manual provides basic and detailed information to support you in using the Pocket iQ™.

This manual is composed of the following sections:

- *Table of Contents*—helps you to find the information you are looking for quickly and easily.

- *Chapter 1: Using this Manual*—provides an overview of this user's manual.

- Chapter 2: *Registration and Software Activation*—provides detailed instructions for registering Pocket iQ™ as a first-time user. It also provides detailed instructions for activating the Pocket iQ™ software applications.

- *Chapter 3: Pocket iQ™ Hardware and User Interface*—provides an overview of the Pocket iQ™ hardware; also includes an overview of the Pocket iQ™ user interface.

- *Chapter 4: Using the Diagnostics Menu*—provides detailed instructions for using the diagnostic features found the on the main Diagnostic menu (i.e., Home) when Pocket iQ™ is connected to a vehicle.

- *Chapter 5: The Admin Menu*—provides detailed instructions for using the features of the Pocket iQ™ Admin Menu. The procedures in this chapter assume that Pocket iQ™ is not connected to a vehicle and that a system administrator is performing the procedures in a non-shop setting.

Each chapter begins with an "at-a-glance" list of the chapter contents, along with corresponding page numbers.

Conventions

This section provides descriptions of the conventions used throughout this guide.

Special Messages

Note

NOTE provides an explanation, comment, or tip related to the subject matter that is being discussed.

Example:

NOTE:

Refer to the page number provided for each described component for further details.

Important

IMPORTANT indicates a situation which, if not avoided, may result in damage to the test equipment or vehicle.

Example:

IMPORTANT:

Keep all cables clear of moving or hot engine parts.

Caution

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in moderate or minor injury to the operator or to bystanders.

Example:

CAUTION:

Do not use the unit to perform tests on household or industrial sources.

Warning

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or bystanders.

Example:

WARNING:

⚠ Use appropriate hand protection when handling hot engine components.

Troubleshooting

Information intended to help you to address or anticipate potential issues are presented in the following manner:

If the "No ECMs detected" message is displayed, check to make sure that the Pocket iQ™ is connected to the vehicle and the key is in the on position.

Specialized Text

The following specially formatted text is used to help you to differentiate certain elements discussed within this manual:

- *Emphasis:* Used to draw your attention to particularly important information.

- **FEATURE**: Used to highlight the name of a specific feature.

  Example: "Use **COPY** to save the report to a USB memory stick."

- **Field/Line:** Used to highlight the name of a field or a line of text from a display.

  Example: "A check mark is placed in the check box next to the **Total Fuel Used** parameter."

- Menu Items: Used to highlight a series of menu selections.

  Example: "From the Start menu, select **Connect/Scan Vehicle ▸ Heavy Duty (Auto Scan) ▸ HDS J1708**."

- Screen titles: Used to highlight the title of a screen displayed.

  Example: "The **Manage Reports** screen is displayed."

Registration and Software Activation

This chapter provides detailed instructions for registering Pocket iQ™ as a first-time user. It also provides instructions for activating your Pocket iQ™ software applications.

Registering Pocket iQ™

Before you can start using your Pocket iQ™ device, you'll need to register it. If you don't already have a user account, you'll need to create one.

There are three methods available:

- Registering Pocket iQ™ with Internet Access *(pg. 6)*
- Registering Pocket iQ™ with Internet Access *and* Proxy Settings *(pg. 14)*
- Registering Pocket iQ™ without Internet Access *(pg. 31)*

Registering Pocket iQ™ with Internet Access

NOTE:

The following procedure assumes that you have Internet access and that your local network is *not* configured using a proxy server.

If you *do not* have Internet access, see *Registering Pocket iQ™ without Internet Access* on page 31 of this manual.

To register the device with Internet access:

1 Plug your Ethernet cable into the bottom of the Pocket iQ™ device.

   This assumes that the other end of the Ethernet cable is plugged into your network.

2 Push the **power button** on the device to power it up.

The **Home** screen is displayed.

Figure 2.1 *Home Screen*

3 Select **Admin**.

The **Admin** menu is displayed.

Figure 2.2 *Admin Menu*

4 Select **Configure Pocket iQ**.

The **Configure** screen is displayed.

Figure 2.3 *Configure Screen*

5   Select **Register Device**.

The **Login** screen is displayed.

Figure 2.4 *Login Screen*

NOTE:

If you *do not* have an existing account with a Username and Password, click on the **Create Account** link and following the prompts to create an account.

6 Tap within in the first data entry field (i.e., **Username**).

The pop-up keyboard is displayed.

Figure 2.5 *Pop-up Keyboard*

7 Use the keyboard to enter your **Username**.

8 Use the **Down Arrow** on the tool to tab to the next field.

9 Enter the appropriate **Password**.

10 Tap the **Submit** button (i.e., the green check mark at the bottom of the display).

The following confirmation message is displayed.

Figure 2.6 *Confirmation Message*

11 Tap **Yes**.

The following screen is displayed.

Figure 2.7

12 Tap **OK**.

You are returned to the **Configure** screen (Figure 2.3).

13 Tap the **Back** icon at the top of the display to return to the Admin menu.

You are now ready to activate your software applications.

14 Move on to *Activating Your Software Applications* on page 35 of this manual.

Registering Pocket iQ™ with Internet Access *and* Proxy Settings

This section will cover the following topics:

- Entering the Necessary Proxy Settings *(pg. 14)*
- Registering the Device *(pg. 24)*

Entering the Necessary Proxy Settings

If your local network is configured using a proxy server, you will need to enter information to tell Pocket iQ™ how to communicate with it. The following table lists the information required to make these settings.

TABLE 1 Proxy Settings

Proxy Server Settings	Record the Information Here
Server	
Port	
Authentication (yes or no)	
Domain	
User Name	
Password	

NOTE:

It's a good idea to gather the required information *before* you begin. In most cases, you'll want to get together with the designated IT person or network administrator at your location. He or she will have the information you'll need to make the necessary Network settings.

To enter the necessary proxy settings:

NOTE:

The following procedure assumes that you have access to an Internet connection. If you *do not* have Internet access, see *Registering Pocket iQ™ without Internet Access* on page 31 of this manual.

1 Plug your Ethernet cable into the bottom of the Pocket iQ™ device.

   This assumes that the other end of the Ethernet cable is plugged into your network.

2 Push the **power button** on the device to power it up.

   The **Home** menu is displayed.
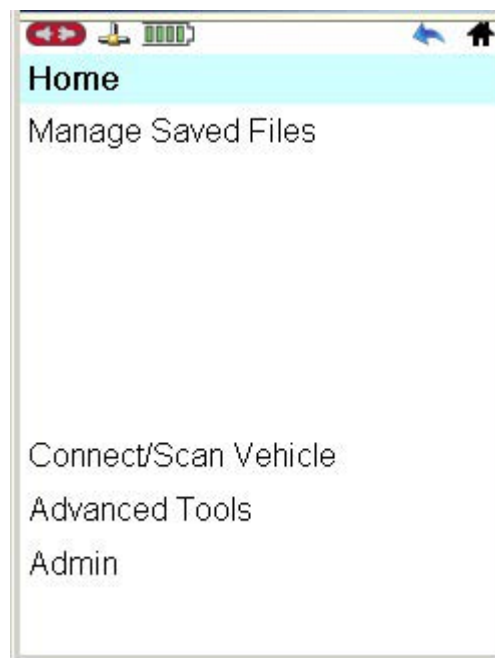
Figure 2.8 *Home Menu*

3 Select **Admin**.

The **Admin** menu is displayed.

Figure 2.9 *Admin Menu*

4 Select **Manage Connections**.

The **Connections** screen is displayed.
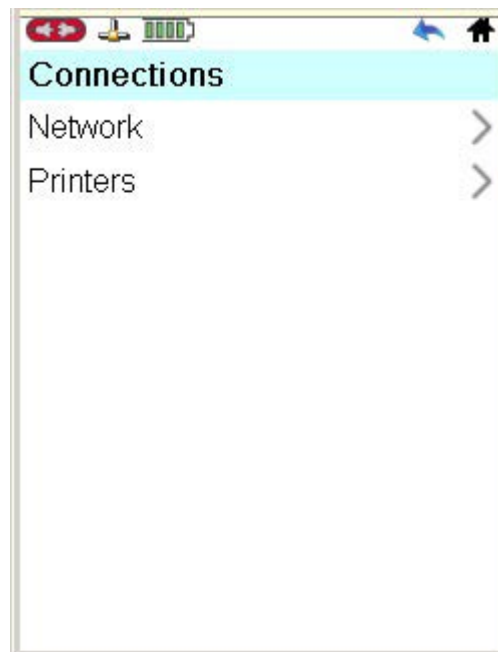
Figure 2.10 *Connections Screen*

5 Select **Network**.

The **Networks** screen is displayed.

Figure 2.11 *Networks Screen*

6 Select **Proxy**.

The **HTTP Proxy** screen is displayed.
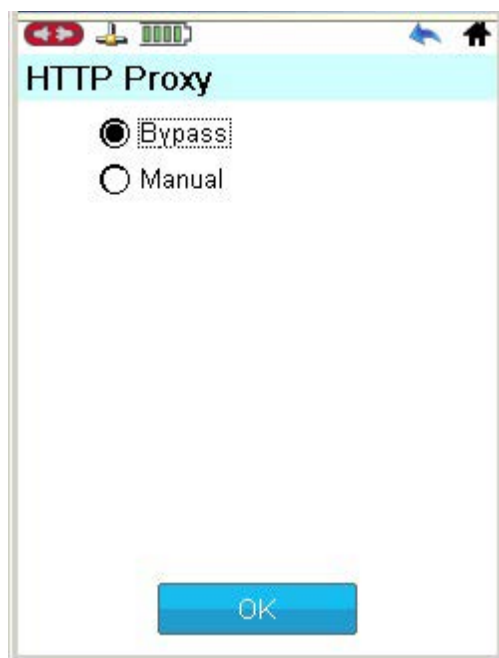
Figure 2.12 *HTTP Proxy Screen*

7 Select **Manual**.

The **HTTP Proxy** screen is displayed again.
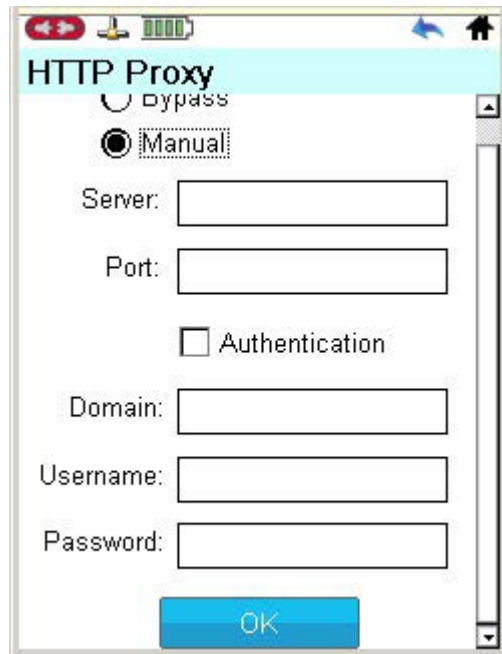
Figure 2.13

8 Tap within the first data entry field (i.e., **Server**).

9 Use the keyboard to enter the information.

> **NOTE:**
>
> You can use the **Down Arrow** on the tool to tab through the data entry fields.

10 Place a check mark in the **Authentication** box if your proxy server requires a password.

11 When you have entered all the information, tap the **Submit** button (i.e., the green check mark at the bottom of the display).

12 Tap **OK**.

The **Networks** screen is displayed.

Figure 2.14 *Networks Screen*

13 Select **Ethernet**.

Pocket iQ™ updates network information.

The **IP Settings** screen is displayed.
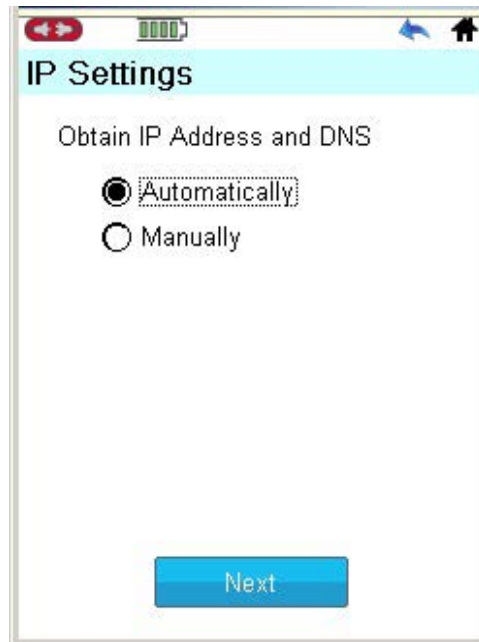
Figure 2.15 *IP Settings Screen*

The default is Automatically.

NOTE:

The default setting (i.e., Automatically) tells Pocket iQ™ to automatically obtain a dynamic IP address.

You may, however, want to assign Pocket iQ™ a static (i.e., fixed) IP address. To do this, please contact the designated IT person or network administrator for your location for assistance with this task.

14 Tap **Next** to accept the default.

Pocket iQ™ makes the connection to the network, and the **Connection Details** screen is displayed.
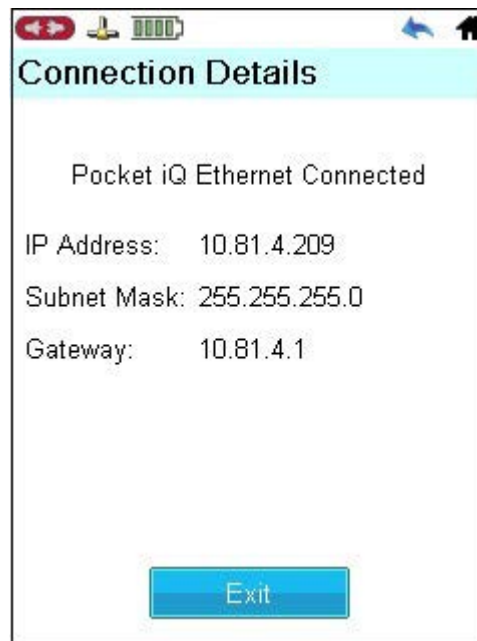
Figure 2.16 *Connection Details Screen*

15 Tap **Exit**.

The **Networks** screen is displayed.

You are now ready to register the Pocket iQ™.

16 Move on to *Registering Pocket iQ™* on page 24, next in this manual.

Registering Pocket iQ™

Once you have entered the necessary proxy settings, you are ready to register your Pocket iQ™.

To register Pocket iQ™

1 Navigate to the **Home** menu.

Figure 2.17 *Home Menu*

2 Select **Admin**.

The **Admin** menu is displayed.

Figure 2.18 *Admin Menu*

3 Select **Configure Pocket iQ**.

The **Configure** screen is displayed.

Figure 2.19 *Configure Screen*

4 Select **Register Device**.

The **Login** screen is displayed.

Figure 2.20 *Login Screen*

NOTE:

If you *do not* have an existing account with a Username and Password, click on the **Create Account** link and following the prompts to create an account.

5 Tap within in the first data entry field (i.e., **Username**).

The pop-up keyboard is displayed.

Figure 2.21 *Pop-up Keyboard*

6 Use the keyboard to enter your **Username**.

7 Use the **Down Arrow** on the tool to tab to the next field.

8 Enter the appropriate **Password**.

9 Tap the **Submit** button (i.e., the green check mark at the bottom of the display).

The following confirmation message is displayed.

Figure 2.22 *Confirmation Message*

10 Tap **Yes**.

The following screen is displayed.

Figure 2.23

11 Tap **OK**.

You are returned to the Configure screen (Figure 2.19).

12 Tap the **Back** icon at the top of the display to return to the Admin menu.

You are now ready to activate your software applications.

13 Move on to *Activating Your Software Applications* on page 35 of this manual.

Registering Pocket iQ™ without Internet Access

If you do not have Internet access for your Pocket iQ™ (i.e., you don't have an Internet network in your shop), you'll have to go somewhere (for example, your home or a public library with Internet access) where you can do the following:

- Visit the iQ™ Product Family website

- Create a User Account and Password

- Obtain Activation Codes for your software

NOTE:

If you do have Internet access directly from your Pocket iQ™ (i.e., by means of an Ethernet cable and a local network), you don't need to create a User Account through the iQ™ Product Family website. Instead, go to *Registering Pocket iQ™ with Internet Access* on page 6, in this manual.

Before you can start using your Pocket iQ™, you need to create a User Account and Password.

To create a user account:

1 Visit the iQ™ Product Family website at the following address: **prolinkiq.nexiq.com**.

NOTE:

For more information on using the iQ™ Product Family website, see the *iQ™ Companion and iQ™ Product Family Website User's Manual*.

2 Click **Create a User Account** from the iQ™ Family menu on the left side of the page.

The **Create a User Account** page is displayed.

Figure 2.24 *Create a User Account Page*

3 Enter the following information:

   —Name

   —Company Name

   —Address 1

   —Address 2

   —City

   —State

   —Postal/ZIP Code

   —Country

   —Phone Number

   —E-mail Address

   NOTE:

   Company Name, Address 2, and E-mail Address are optional.

4 Enter a **User ID**.

5 Enter a **Password**.

NOTE:

ℹ️ Enter at least six characters for the password. Passwords are case-sensitive.

6 Enter the **Password** again to confirm it.

7 Click **Submit**.

The **Account Creation Complete** message is displayed.

Account Creation Complete

Thank you for creating a NEXIQ iQ user account. Click the Continue button to proceed to the Device Registration page.
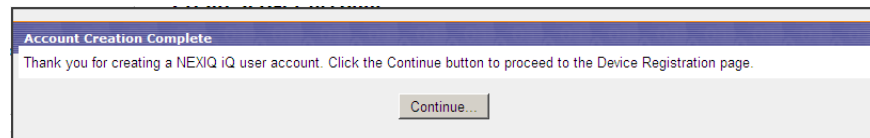
Continue...

Figure 2.25 *Account Creation Complete Message*

8 Click **Continue**.

The **Device Registration** page is displayed.
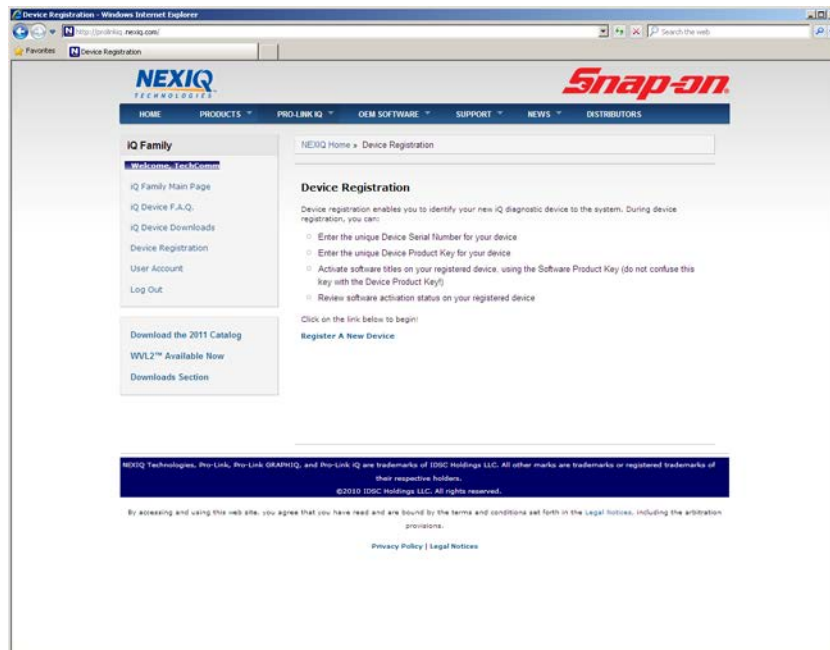
Figure 2.26 *Device Registration Page*

9 Click the **Register a New Device** link below the instructions.

To register your Pocket iQ™, you will need the following information:

—Device Serial Number

—Device Product Key

NOTE:

The serial number and the product key for the device are located on a sticker on the back of your Pocket iQ™.

10 Enter the **Device Serial Number** and the **Device Product Key**.

11 Click **Register**.

When the system has confirmed that the serial number and product key are valid, a **Registered Devices** section is displayed at the bottom of the Device Registration Page.

12 Move on to ***Activating an Application Using the Website***, on page 40 of this manual.

Activating Your Software Applications

Before you can activate an application, you need to obtain an Activation Code. You use the **Activate Applications** feature to activate software applications for use on the Pocket iQ™. There are two options:

- Activating an Application Using Pocket iQ™ *(pg. 35)*
- Activating an Application Using the Website *(pg. 40)*

Activating an Application Using Pocket iQ™

The following procedure assumes that you have already:

- Successfully created a User Account and Password
- Registered your Pocket iQ™

It also assumes that you have Internet access.

To Activate an Application Using Pocket iQ™:

1 Plug your Ethernet cable into the bottom of the Pocket iQ™ device.

This assumes that the other end of the Ethernet cable is plugged into your network.

2 Navigate to the **Admin** menu.

The **Admin** menu is displayed.

Figure 2.27 *Admin Menu*

3 Select **Manage Applications**.

The **Manage Applications** screen is displayed.
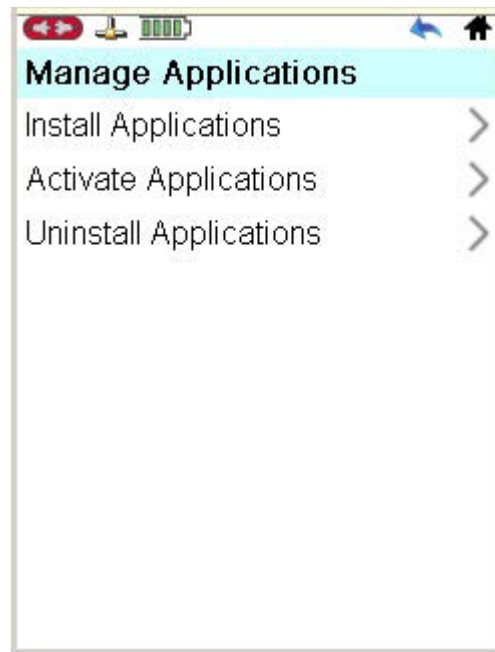
Figure 2.28 *Manage Applications Screen*

4 Select **Activate Applications**.

The Registration screen is displayed.

Figure 2.29 *Registration Screen*

NOTE:

The **Software Product Key** is printed on a sticker on the inside of the CD case shipped with your device.

5 Tap within the first box.

6 The pop-up keyboard is displayed.

Figure 2.30 *Keyboard*

7 Use the keyboard to enter the **Software Product Key**.

8 Tap the **Submit** button (i.e., the green check mark located at the bottom of the display).

Pocket iQ™ checks the iQ™ Product Family website, verifies the Software Product Key, and automatically downloads the required **Activation Codes**.

The **Activation Successful** screen is displayed.

9 Tap **OK**.

Activating an Application Using the Website

The following procedure assumes that you have already:

- Successfully created a User Account and Password

- Registered your Pocket iQ™

It also assumes that you have Internet access.

There are two options for copying the Activation Codes:

- To a USB memory stick *(pg. 40)*

- Copying the codes manually *(pg. 43)*

Copying Activation Codes to a Memory Stick

You copy the required Activation Code to a USB memory stick, place the memory stick into the USB port on the Pocket iQ™, and then activate the software.

To copy Activation Codes to a memory stick:

1 Visit the iQ™ Product Family website at the following address: **prolinkiq.nexiq.com**.

> **NOTE:**
>
> For more information on using the iQ™ Product Family website, see the *iQ™ Companion and iQ™ Product Family Website User's Manual*.

2 Click **Log In** from the iQ™ Family menu on the left side of the page.

3 Enter your **User ID**.

4 Enter your **Password**.

5 Click the **Login** button, located under the Password field.

6 Navigate to the **Device Registration** page.

7 Locate the **Registered Devices** section near the bottom of the page.

8 Click the **plus sign (+)** for the Pocket iQ™.

A Product Activation History for the device lists applications by product key, software title, software version, activation code, and activation file.

9 Click the link **Add New Software / Product Key** at the bottom of the page.

10 Enter the **Software Serial Number** and the **Software Product Key**.

> **NOTE:**
>
> The **Software Serial Number** and the **Software Product Key** are printed on a sticker on the inside of the CD case shipped with your device.

11 Click **Activate**.

The application is added to the device's **Product Activation History**, which displays the activation code and the activation file name for each application.

> **NOTE:**
>
> The activation file name is a link. Clicking this link enable you to save the file to a USB memory stick and then install the file on your Pocket iQ™.

12 Click the application file name link.

A **File Download** dialog box is displayed.

13 Insert the memory stick into a USB port on your PC.

14 Click **Save** to save the file to a USB memory stick.

> **NOTE:**
>
> You must save the file to the root directory of the USB memory stick (i.e., not in a folder).

15 Remove the memory stick from the PC.

16 Insert the memory stick into the USB port on the bottom of the Pocket iQ™.

17 Navigate to the **Admin** menu.

The **Admin** menu is displayed.

Figure 2.31 *Admin Menu*

18 Select **Manage Applications**.

19 Select **Activate Applications**.

The Pocket iQ™ displays a list of installed applications currently on the device.

20 Select the appropriate application suite, and tap **Activate**.

The Pocket iQ™ locates the Activation Code file on the memory stick, and activates the application.

An "Activation Success" message is displayed.

21 Tap **OK**.

22 Tap the **Back** icon at the top of the display.

23 Tap the **Back** icon again to return to the Admin menu (Figure 2.31).

Copying Activation Codes Manually

The following procedure assumes that you have already:

- Successfully created a User Account and Password

- Registered your Pocket iQ™

It also assumes that you have Internet access.

To copy Activation Codes manually:

1   Visit the iQ™ Product Family website at the following address: **prolinkiq.nexiq.com**.

> **NOTE:**
>
> For more information on using the iQ™ Product Family website, see the *iQ™ Companion and iQ™ Product Family Website User's Manual.*

2   Click **Log In** from the iQ™ Family menu on the left side of the page.

3   Enter your **User ID**.

4   Enter your **Password**.

5   Click the **Login** button, located under the Password field.

6   Navigate to the **Device Registration** page.

7   Locate the **Registered Devices** section near the bottom of the page.

8   Click the **plus sign (+)** for the Pocket iQ™.

A Product Activation History for the device lists applications by product key, software title, software version, activation code, and activation file.

9   Click the link **Add New Software / Product Key** at the bottom of the page.

10   Enter the **Software Serial Number** and the **Software Product Key**.

> **NOTE:**
>
> The **Software Serial Number** and the **Software Product Key** are printed on a sticker on the inside of the CD case shipped with your device.

11   Click **Activate**.

The application is added to the device's **Product Activation History**, which displays the activation code and the activation file name for each application.

12 Copy the **Activation Codes** from the website, and retain them for later use.

> **NOTE:**
>
> ℹ️ The website sends you an e-mail containing the Activation Code. The Activation Code is also displayed on the **Product Activation History** screen on the website. For more information on the website, see the *iQ™ Companion and iQ™ Product Family Website User's Manual*.

13 Navigate to the **Admin** menu.

Figure 2.32 *Admin Menu*

14 Select **Manage Applications**.

15 Select **Activate Applications**.

The Pocket iQ™ displays a list of installed applications currently on the device.

16 Select the appropriate application suite, and tap **Activate**.

The Pocket iQ™ searches the storage device for activation files. If no acti-vation files are found, the Pocket iQ™ asks if you want to enter a code manually.

17 Tap **Yes**.

18 Type in the code using the pop-up keyboard.

19 Tap the **Submit** button (i.e., the green check mark located at the bottom of the display).

An "Activation Success" message is displayed.

20 Tap **OK**.

21 Tap the **Back** icon at the top of the display.

22 Tap the **Back** icon again to return to the Admin Menu (Figure 2.32).

Chapter **3**

Pocket iQ™ Hardware and User Interface

This chapter provides an overview of the Pocket iQ™ hardware, including a detailed product specification. It also provides an overview of the Pocket iQ™ user interface.

NOTE:

Screen shots used throughout this guide are for illustrative purposes only. All data shown is fictitious in nature.

Pocket iQ™ Components

The following illustration details the Pocket iQ™ components:

Figure 3.1 *Pocket iQ™ Components*

Component Checklist

The following components are included with your Pocket iQ™ kit. Be sure you have all the items before using the device:

- ✓ Pocket iQ™ Scan Tool
- ✓ Stylus Pen
- ✓ Power and Data Cable
- ✓ 6-pin Deutsch Adapter
- ✓ 9-pin Deutsch Adapter
- ✓ AC/DC Adapter
- ✓ CD (with software and end-user manuals)
- ✓ Carrying Case

Product Specifications

The Pocket iQ™ is configured with the following specifications:

Item	Specification
Physical Dimensions	7.5" x 4.25" x 1.75"
Weight	1.10 lbs
System Main CPU	Freescale i.MX35 -ARM11 core running at 532 MHz with a 266 MHz bus
Vehicle COM CPU	Freescale MCF52256, 48 MHz
Memory	SDRAM 128 MB Flash 256 MB Solid-state drive 2 GB or greater
Operating System	Windows embedded CE 6.0
Display	240 x 320 QVGA, color transflective TFT with touch-screen and backlight
Input Device	Keypad, touch-screen, and full alphanumeric software keyboard
Vehicle Protocols	Two CAN channels support for J1939, J2284, ISO 15765 ISO 9141/KW2000 J1708 J1850 (VPW, PWM) GM 160 baud GM 8192, 9600 UART (ALDL)
Power Source	Internal battery: 2200mAh @ 3.7V Li-polymer Charging: via AC/DC adaptor or vehicle power Internal battery operating time: typically five hours
External I/O	USB host and device Ethernet 10Base-T/100Base-T
AC/DC Power Adapter Connector	AC input 100-240 V, 0.8A, 50/60Hz DC output 15V 1.2A

Hardware Overview

This section introduces the Pocket iQ™, its ports, and its connections.

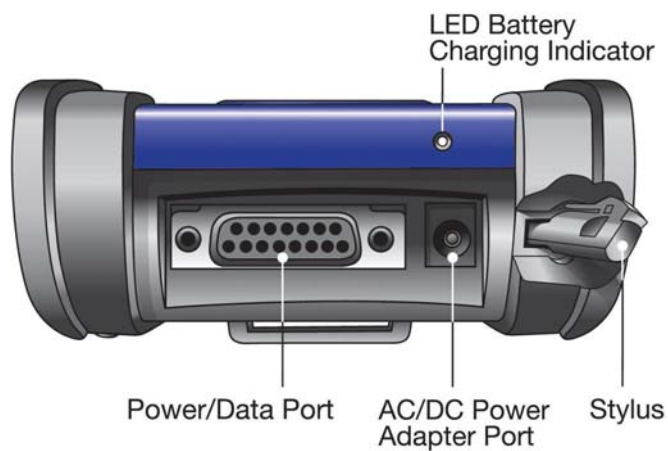## Front View

Figure 3.2 *Front View of the Pocket iQ™*

Top View

Figure 3.3 *Top View of the Pocket iQ™*
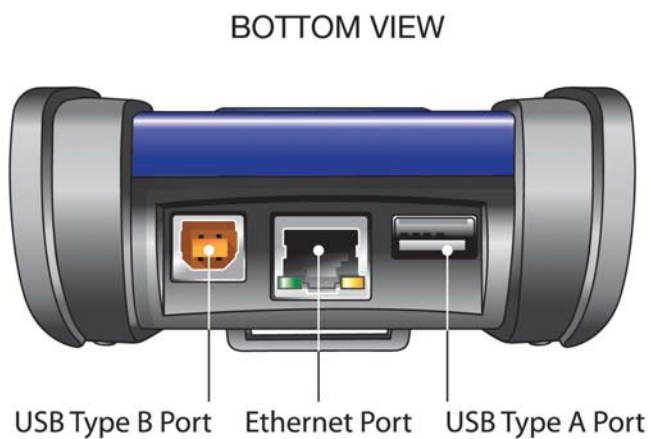
Bottom View

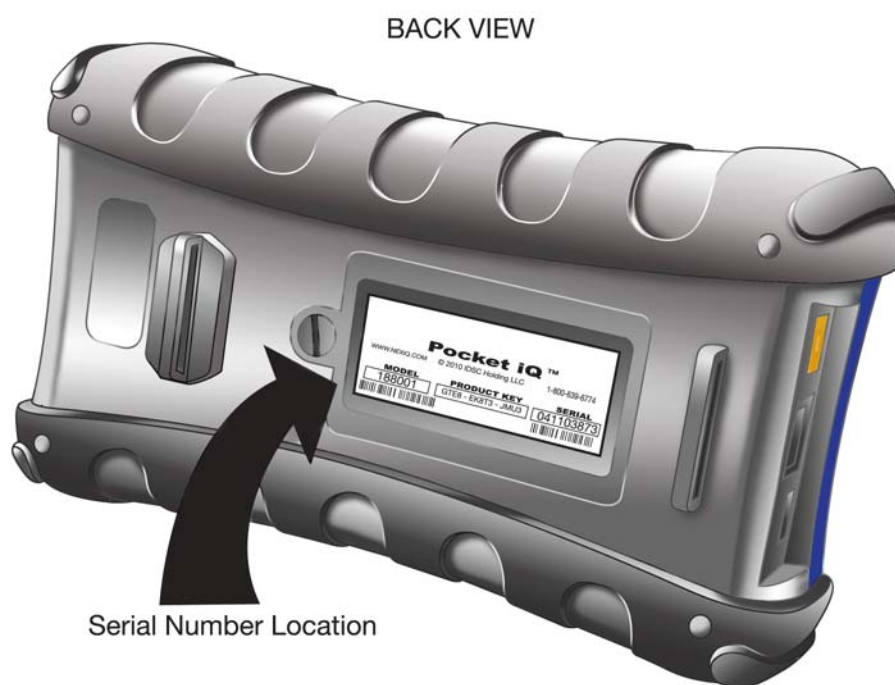**Figure 3.4** *Bottom View of the Pocket iQ™*

Back View

Figure 3.5 *Back View of the Pocket iQ™*

User Interface Overview

The Pocket iQ™ user interface has two primary menus.

- Home
- Admin

The Home Menu

The Home menu has two states:

- Connected (i.e., the main Diagnostics menu)
- Disconnected (i.e., Home)

NOTE:

For detailed information on both the Home/Diagnostics menu, refer to *Chapter 4: Using the Diagnostics Menu*, later in this manual.

Connected: The Diagnostics Menu

When connected to a vehicle, Home displays the main Diagnostics menu.

Figure 3.6 *Home (i.e., the Diagnostics Menu) in a Connected State*

Disconnected: Home

In a disconnected state, the features available are limited to the following four items:

- Manage Saved Files
- Connect/Scan Vehicle
- Advanced Tools
- Admin

Figure 3.7 *Home in a Disconnected State*

NOTE:

When Pocket iQ™ is connected to a vehicle, the Connection icon is **green**. When not connected, the icon is **red**.

The Admin Menu

You use the Admin menu to perform various administrative tasks (e.g., registering Pocket iQ™, managing ethernet connections, and selecting a printer).

NOTE:

For detailed information on the Admin Menu, refer to *Chapter 5: Using the Admin Menu*, later in this manual.

Figure 3.8 *Admin Menu*

NOTE:

You can access the Admin menu when the Pocket iQ™ is connected to a vehicle or disconnected.

Navigation

Pocket iQ™ provides two methods of navigating its screens and features. You can make your selections by tapping on the screen with the stylus, or you can use the buttons on the tool itself. Most users will probably use a combination of both.

NOTE:

The procedures documented in this manual will use, for the most part, the stylus method of making selections. You could, however, just as easily use the buttons on the tool.

Tool Buttons

Pocket iQ™ provides a full keypad on the tool itself for navigation and data entry. The following are special navigation buttons.

Keypad	Button Is Used To:
Up Arrow	Move up an item in a list or on a screen.
Down Arrow	Move down an item in a list or on a screen.
Forward Button	Move from one item on a screen to another (similar to the Tab button).
Back Button	Return to the previous screen. Under certain conditions, pressing the Back button is the only way to return to the previous screen.
Enter Key or Button	Select an item (much like the Enter key on a PC).

Keypad	Button Is Used To:
Tab Button	Tab from one item on a screen to another.
Power Button	Power the tool on and off.
	When not connected to an external power source, the device will automatically go into **Standby Mode** after 10 minutes.
	Quickly press and release the Power button to exit Standby Mode; to enter Standby Mode, repeat the same action.
Numbers 0 through 9	Enter numbers during data entry.

Screen Icons

There are five icons across the top of the display.

Icons	What the Icon Provides:
Connection	A visual confirmation of the tool's connection status; changes from red (not connected) to green (connected).
Networks	A way to navigate to the Networks menu; use the stylus to tap the icon. From the Networks menu, the following choices are available: • Ethernet • Proxy
Battery Power	A visual confirmation of the state of battery power.
Back Button	A way to navigate to the previous screen; use the stylus to tap the icon.
Home	A way to navigate to the Home menu; use the stylus to tap the icon.

Chapter **4**

Using the Diagnostics Menu

T his chapter provides detailed instructions for using the diagnostic features found on the Diagnostics menu (i.e., Home) when Pocket iQ™ is connected to a vehicle.

NOTE:

Screen shots used throughout this guide are for illustrative purposes only. All data shown is fictitious in nature.

Connecting to a Vehicle

Prior to using Pocket iQ™, you must connect to a vehicle using the power and data cable and the appropriate adapter. **The vehicle should be in a key-on, engine-off state.**

NOTE:

To view an illustration of the Pocket iQ™ components, including the adapters mentioned in the following procedure, refer to Figure 3.1 in Chapter 3 of this manual.

To connect to a vehicle:

1 Connect the blue power and data cable to the power/data port on the top of the Pocket iQ™.

2 Select the appropriate adapter for the vehicle to which to want to connect.

Choices include the following:

- 6-pin Deutsch adapter
- 9-pin Deutsch adapter

3 Connect one end of the adapter to the blue power and data cable.

4 Attach the other end of the adapter (e.g., the Deutsch connector end) to the vehicle's diagnostic connector.

Pocket iQ™ automatically powers up.

NOTE:

To power down the Pocket iQ™, press and hold the Power button.

NOTE:

Standby Mode—You can place the device in Standby Mode by quickly pressing and releasing the Power button. When not connected to an external power source, the device will automatically go into Standby Mode after 10 minutes. Quickly press and release the Power button to exit Standby Mode.

When you power up the Pocket iQ™, the following screen is displayed.

Figure 4.1 *Home Screen*

Beginning the Scanning Process

The following scanning options are available:

- **Heavy Duty Scan (Auto)**—Scans the vehicle, presents a list of ECUs detected during scanning (J1708 and J1939), and enables you to select *up to six* (6) ECUs from the list.

- **Heavy Duty Scan (Manual)**—Scans the vehicle, presents a list of ECUs detected during scanning (J1708 and J1939), and enables you to select *one* ECU from the list.

- **Demo Scan**—Provides a preview of functionality for demonstration purposes only.

The remainder of this section covers the following topics:

- Heavy Duty Scan (Auto) *(pg. 63)*
- Heavy Duty Scan (Manual) *(pg. 69)*
- When the Scan is Complete *(pg. 75)*

Scanning the vehicle Using Heavy Duty Scan (Auto)

You use the Heavy Duty Scan (Auto) feature when you want Pocket iQ™ to automatically identify the available modules on the vehicle and the appropriate Pocket iQ™ software applications. You can select up to six modules to load.

To begin the scanning process:

1 From the Home screen (Figure 4.1), tap **Connect/Scan Vehicle**.

The **Scan Vehicle** screen is displayed.
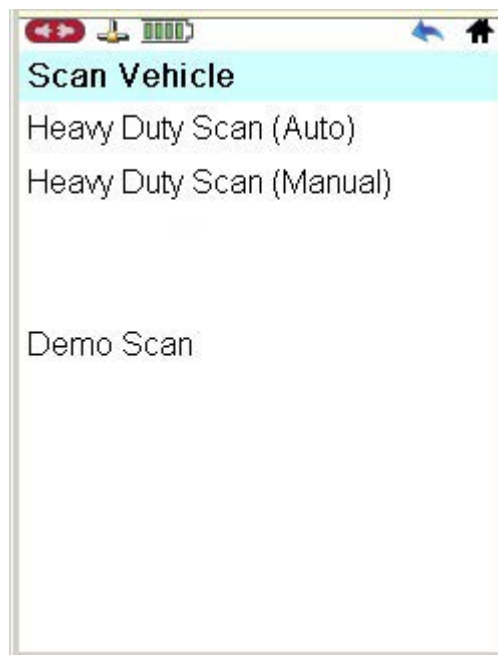
Figure 4.2 *Scan Vehicle Screen*

2 Select the scanning option appropriate for the vehicle to which you are connected, for example, **Heavy Duty Scan (Auto)**.

The Pocket iQ™ starts scanning the vehicle and displays the following screen.
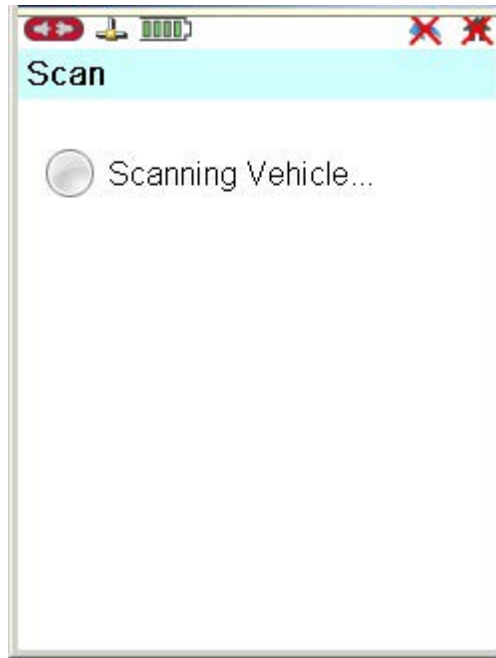
Figure 4.3 *Scanning Vehicle Message*

During scanning, the **Back** and **Home** icons located at the top of the display are not available. This is indicated by the red **X** superimposed over each.

NOTE:

It may take a minute or two to display the next screen.

When the modules on the vehicle are detected, Pocket iQ™ displays the **Module Selection** screen.
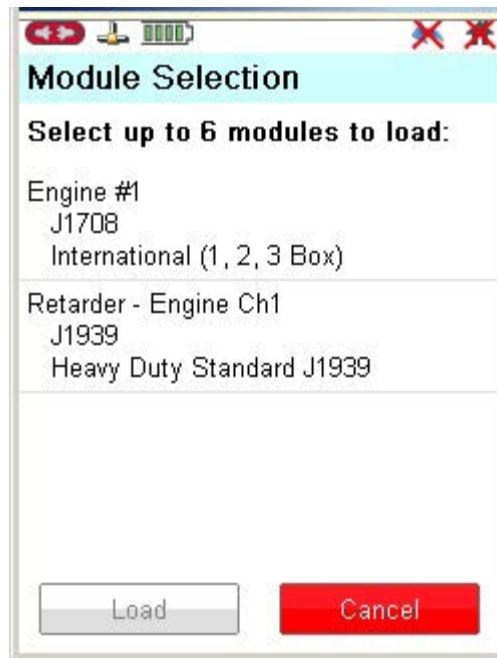
Figure 4.4 *Module Selection Screen*

NOTE:

The device displays the available modules (e.g., **Engine #1**) followed by the name of the Pocket iQ™ software application(s) that will be used to communicate with the module (e.g., **J1708 and International (1, 2, 3 Box)**).

3 Make your selections by tapping the item you want to load with the stylus.

NOTE:

You can select up to six modules from the list.

Your selections are highlighted.

Figure 4.5 *Module Selection Screen with Items Highlighted*

4 Tap **Load**.

If the vehicle scan is successful, the modules you selected are listed.

Figure 4.6 *Selected Modules Listed*

Then, the Pocket iQ™ attempts to scan for faults for each of the selected modules.

The "Scanning Faults..." indicator light flashes yellow while the scan is in progress.

When a module's faults are scanned successfully, a green check mark appears to the left of the module in the list.

When all the faults of all the modules are scanned successfully, the following screen is displayed.
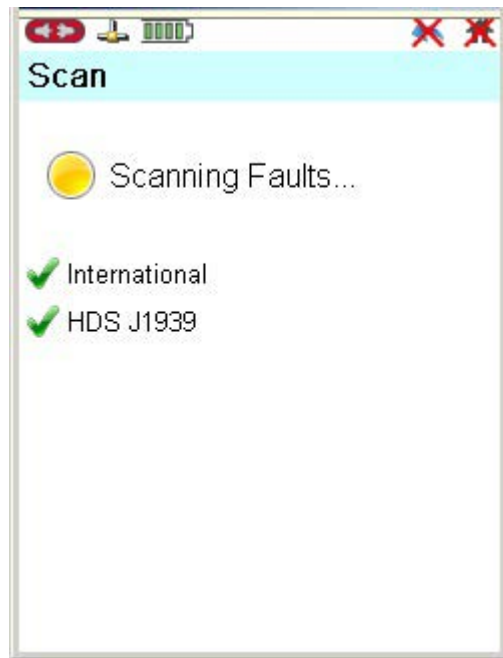
Figure 4.7 *Green Check Marks Indicate Success*

Move on to ***When the Scan is Complete*** on page 75 of this chapter.

Scanning a Vehicle Using Heavy Duty Scan (Manual)

You use the Heavy Duty Scan (Manual) feature when *you* want to manually select the module you want to load from a list presented by Pocket iQ™. You can select only one module to load.

To begin the scanning process:

1 From the Home screen (Figure 4.1), tap **Connect/Scan Vehicle**.

The **Scan Vehicle** screen is displayed.
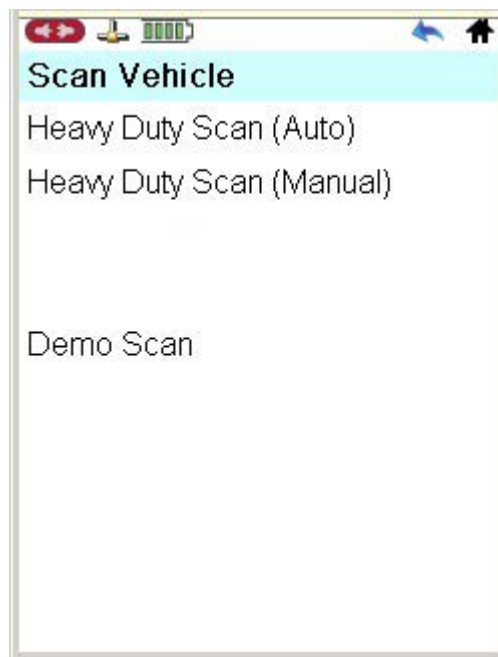
Figure 4.8 *Scan Vehicle Screen*

2 Select the scanning option appropriate for the vehicle to which you are connected, for example, **Heavy Duty Scan (Manual)**.

The Pocket iQ™ starts scanning the vehicle and displays the following screen.
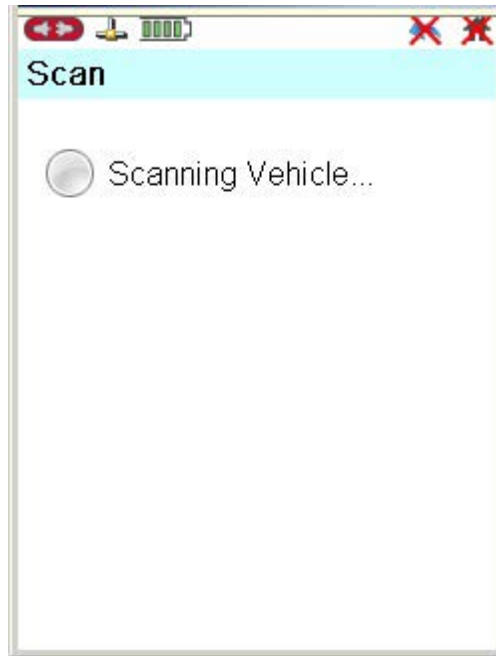
Figure 4.9 *Scanning Vehicle Message*

During scanning, the **Back** and **Home** icons located at the top of the display are not available. This is indicated by the red **X** superimposed over each.

NOTE:

It may take a minute or two to display the next screen.

The **Manual Connect** screen is displayed.
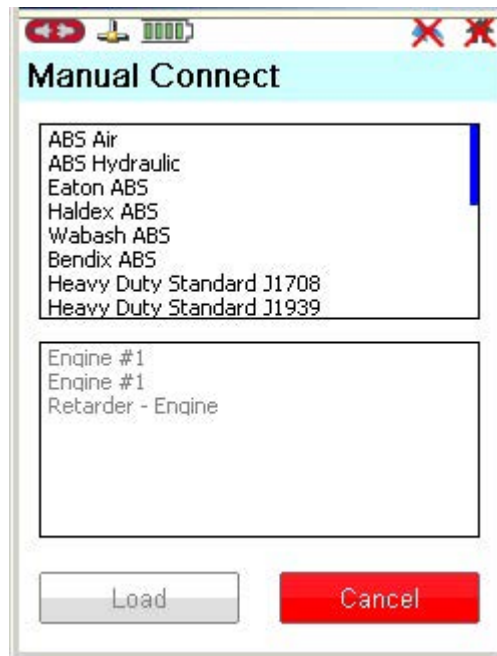
Figure 4.10 *Manual Connect Screen*

3 Use the scroll bar at the right to scroll through the list.

NOTE:

You can also use the **Down Arrow** on the tool.

4 Select a module from the first box (e.g., **Heavy Duty Standard J1708**).

Your selection is highlighted.
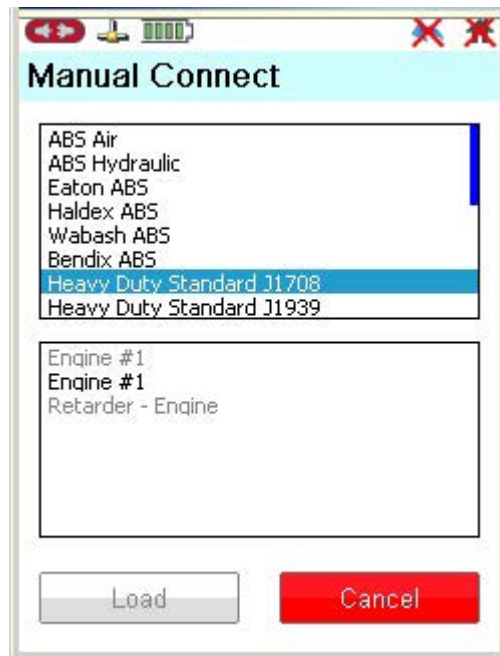
Figure 4.11 *Selection Highlighted*

5 Select the ECU highlighted in the second box (e.g., **Engine #1**).

The **Load** button is activated.
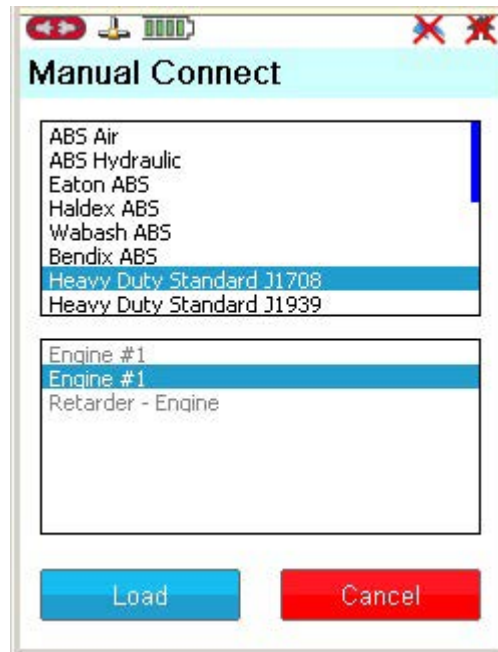
Figure 4.12 *Load Button Activated*

6 Tap **Load** with the stylus.

When the module's faults are scanned successfully, a green check mark appears to the left of the module in the list, and the following screen is displayed.
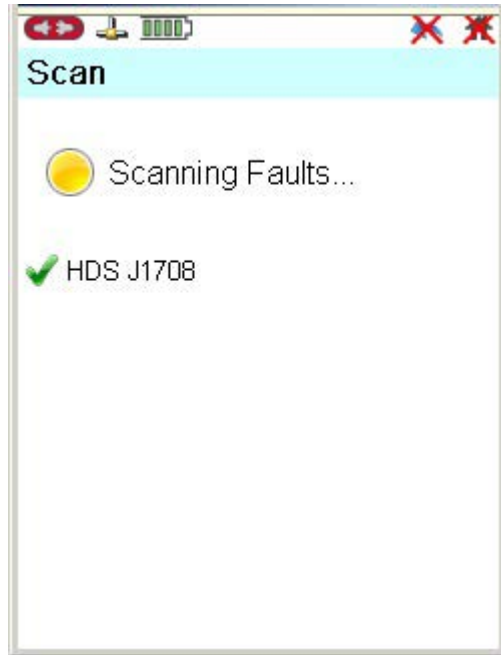
Figure 4.13 *A Green Check Mark Indicate Success*

Move on to **When the Scan is Complete**, next in this chapter.

When the Scan is Complete

When the Pocket iQ™ has successfully scanned the vehicle, the Home menu (i.e., the main **Diagnostics** menu) is displayed.
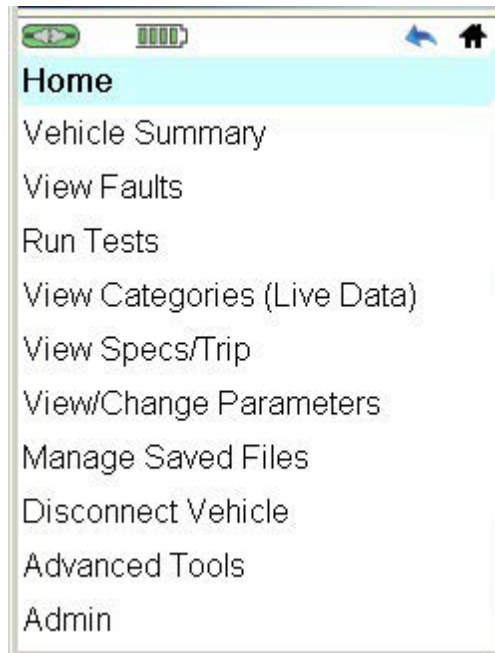
Figure 4.14 *Home Menu in a Connected State*

At this point, you are ready to start using the features available on the Home menu (i.e., main Diagnostics menu).

The remainder of this chapter will cover the features available from this menu:

- Vehicle Summary *(pg. 76)*
- View Faults *(pg. 77)*
- Run Tests *(pg. 97)*
- View Categories (Live Data) *(pg. 101)*
- View Specs/Trip *(pg. 106)*
- View/Change Parameters *(pg. 113)*
- Manage Saved Files *(pg. 124)*
- Disconnect Vehicle *(pg. 136)*
- Advanced Tools *(pg. 138)*
- **Admin** (see Chapter 5 of this manual)

Using the Vehicle Summary

The Vehicle Summary is available from the Home menu (i.e., the main Diagnostics menu).

Figure 4.15 *Sample Vehicle Summary*

The Vehicle Summary provides detailed information for the vehicle to which you are connected. The Vehicle Summary also enables you to:

• View Fault information (i.e., navigate to the Faults screen) *(pg. 77)*

To navigate to the Home menu, tap the **Home icon** at the top of the display with the stylus.

To navigate to the Faults screen, tap either **Active** or **Inactive** on the display.

Viewing Fault Information

When connected to a vehicle, you can access the Faults screen from the **Home** menu (i.e., the Main Diagnostics menu).

<u>To view fault information:</u>
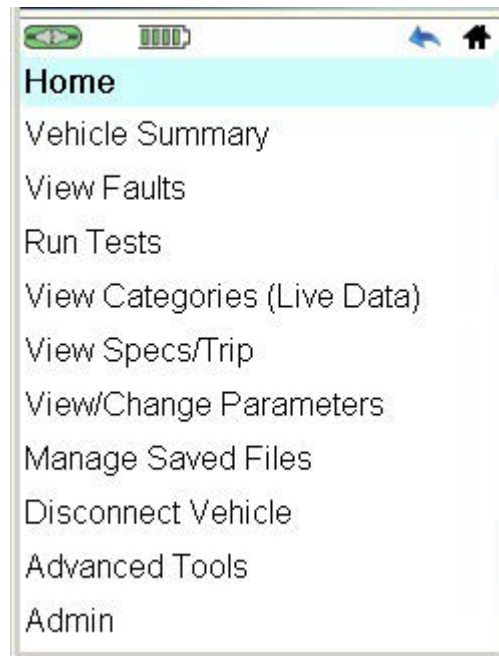
Figure 4.16 *Main Diagnostics Menu*

1 Tap **View Faults**.

The **Faults** screen is displayed.
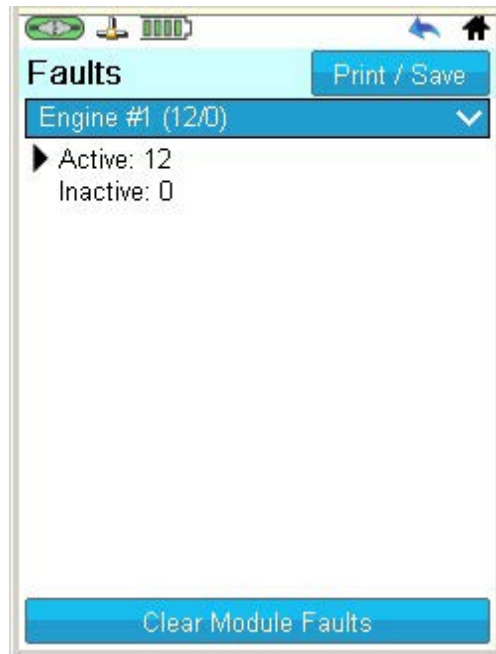
Figure 4.17 *Faults Screen*

Faults are displayed in two categories:

- Active
- Inactive

The number of faults for each category is also displayed to the right of the category (e.g., **Active: 12 and Inactive: 0**).

The black arrow to the left of the category indicates that you can expand the category to display additional information.

2 Tap the fault category with the stylus (e.g., **Inactive: 12**).

The category expands revealing additional detail.
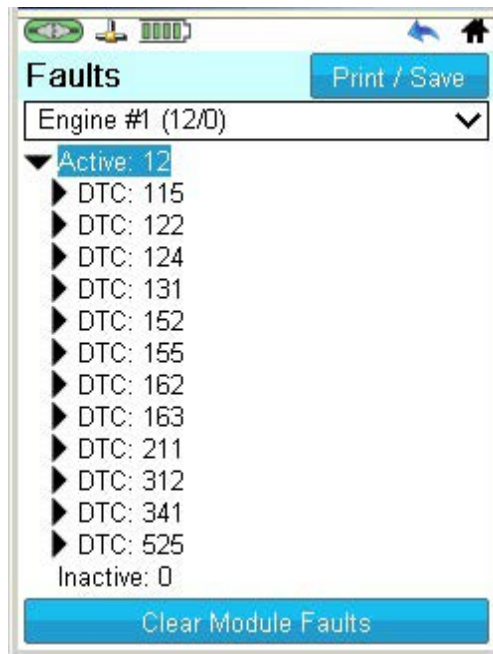
Figure 4.18 *Inactive Fault Category Expanded*

NOTE:

If there are multiple faults in the category, the expanded view lists each fault.

3 To expand the information even further, tap the fault you wish to view (e.g., **DTC: 115**).

The additional information is displayed.
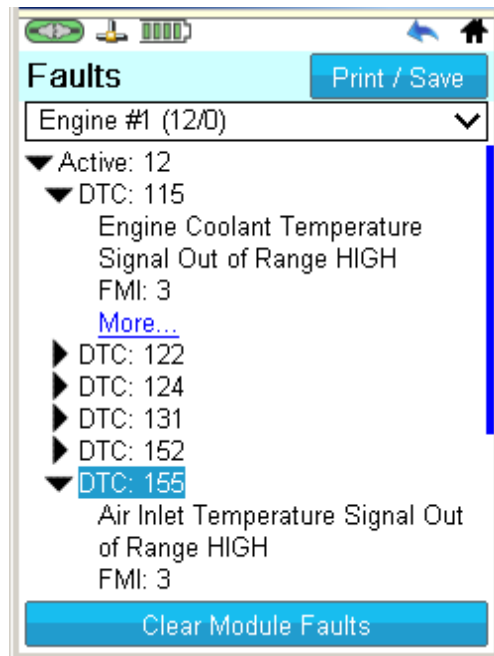
Figure 4.19 *Faults Screen*

NOTE:

To collapse the information, tap the expanded fault with the stylus.

4 Tap **More...** to view more detailed information.

The **Fault Details** screen is displayed.

Figure 4.20 *Fault Details Screen*

5 Use the **Back** button at the top of the display to return to the Faults screen (Figure 4.19).

6 Continue selecting faults until you are finished viewing fault information.

Selecting a Different Component

To display fault information for a different vehicle component, tap the Vehicle Component bar at the top of the display just below the title. The black arrow at the far right of the bar indicates a drop-down menu that you can tap on the bar to display more information.

Figure 4.21 *Vehicle Component Bar*

To select a different vehicle component:

   1 Tap the **Vehicle Component** bar to display the drop-down menu (e.g., **Engine #1**).

The drop-down menu is displayed.
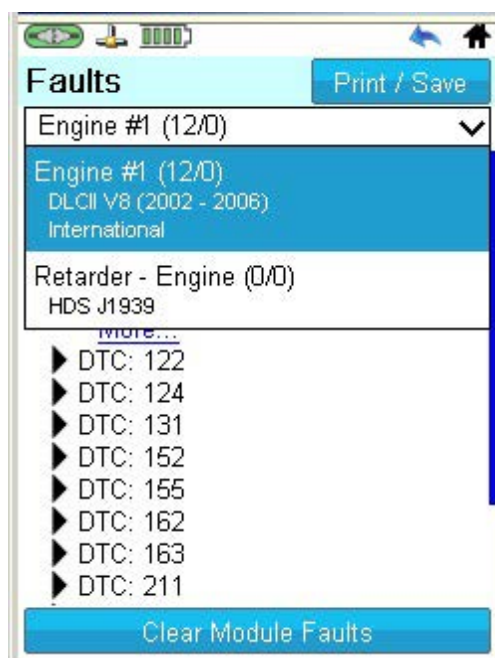
Figure 4.22 *Vehicle Component Drop-down Menu*

2 Tap on a different component to view fault information for that module (e.g., **Retarder - Engine**).

The **Faults** screen is displayed again, displaying fault information for the module you selected.
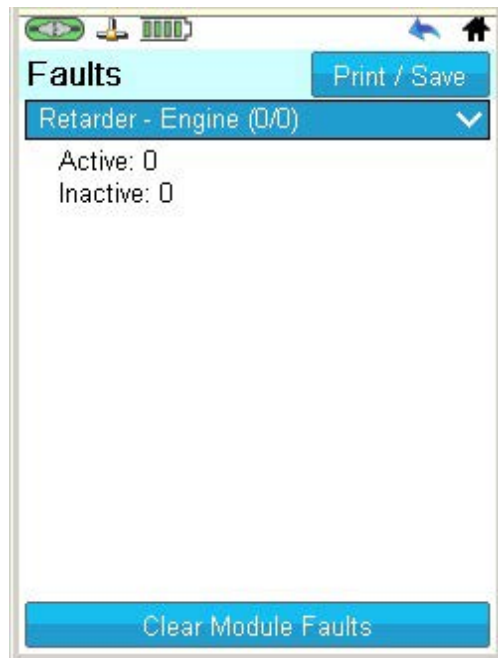
Figure 4.23 *Retarder - Engine Selected*

The current selection (i.e., **Retarder - Engine**) is highlighted in blue at the top of the screen.

3   When you are finished viewing information, tap the **Home** icon at the top of the display, to navigate to the Diagnostics menu (i.e., Home).

The **Diagnostics** menu (i.e., Home) is displayed.

Figure 4.24 *Diagnostics Menu*

Saving Fault Information

You use the **Print/Save** button at the top of the Faults screen to save fault information to a file.

To save fault information to a file:

1 Navigate to the **Faults** screen.

Figure 4.25 *Faults Screen*

2 Tap on the **Print/Save** button at the top of the display.

The **Print or Save Report** screen is displayed.

Figure 4.26 *Print or Save Report Screen*

3 Select **Save to file**.

4 Tap **Continue**.

The **Save File** screen is displayed.
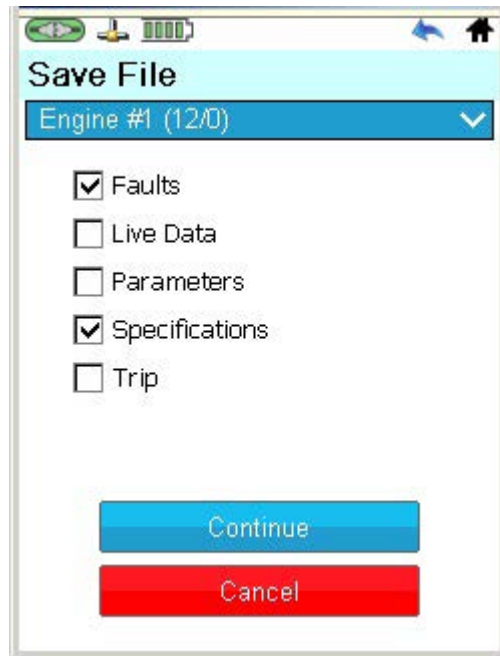
Figure 4.27 *Save File Screen*

5 Select the type of information you want to save (e.g., **Faults and Specifications**).

NOTE:

You can also save Live Data, Parameters, and Trip information.

6 Tap **Continue**.

The **Save to:** screen is displayed.
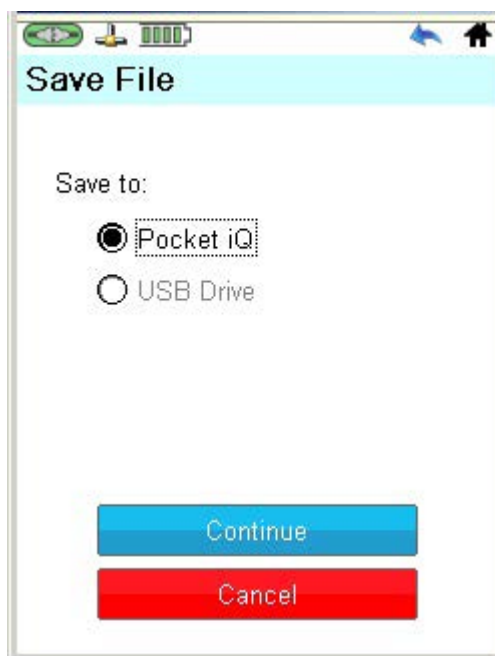
Figure 4.28 *Save to: Screen*

7   Select the device to which you want to save the file (e.g., **Pocket iQ**).

NOTE:

You can also save the file to a USB memory stick.

8   Tap **Continue**.

The **Save File** screen is displayed again.

Figure 4.29 *Save File Screen*

The **Chassis #** field is pre-populated.

9 Tap **Save New File**.

NOTE:

To give the file a different name, tap inside the Chassis # field and use the pop-up data entry keyboard to enter a file name. When you have finished entering the file name, tap the **Return** button on the data entry keyboard.

The **Save Successful** message is displayed.
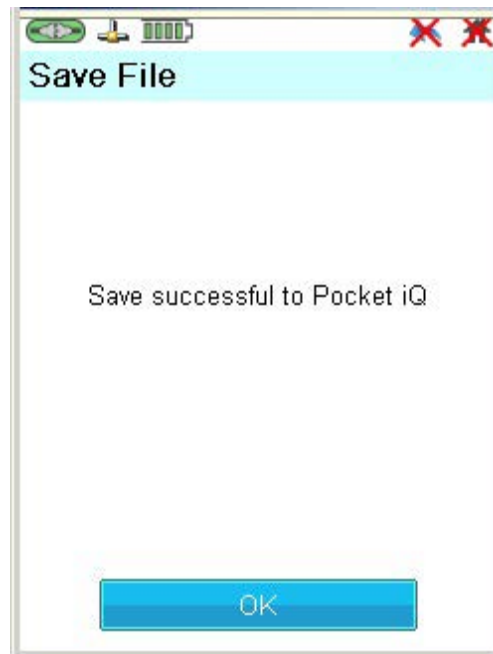
Figure 4.30 *Save Successful message*

10 Tap **OK.**

The **Faults** screen is displayed again (Figure 4.25).

NOTE:

To view the file you just saved, use the **Manage Saved Files** option on the Home screen. See *Managing Saved Files* on page 124 of this chapter.

Clearing Faults

To clear faults you use the **Clear Module Faults** bar at the bottom of the display.

> **NOTE:**
>
> When Pocket iQ™ clears faults, it clears both Active and Inactive faults. Following the clearing process, Pocket iQ™ scans the vehicle again and re-displays any faults that are still active on the selected component.

To clear faults:

1 Navigate to the **Faults** screen.

Figure 4.31 *Faults Screen*

2 Tap the **Clear Module Faults** bar at the bottom of the display.

The following screen is displayed.
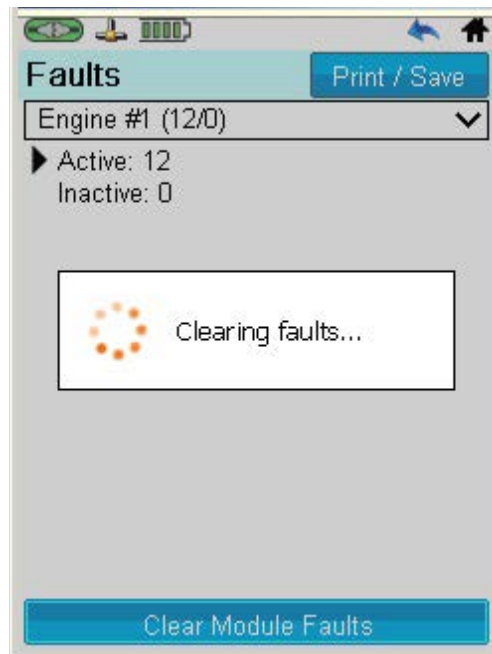
Figure 4.32 *Clearing Faults Message*

The faults are cleared, and the vehicle is scanned again.

NOTE:

Any faults that are still active will be re-displayed.

3 Tap the **Home** icon at the top of the display to navigate to the main Diagnostics menu.

The main **Diagnostics** menu is displayed.
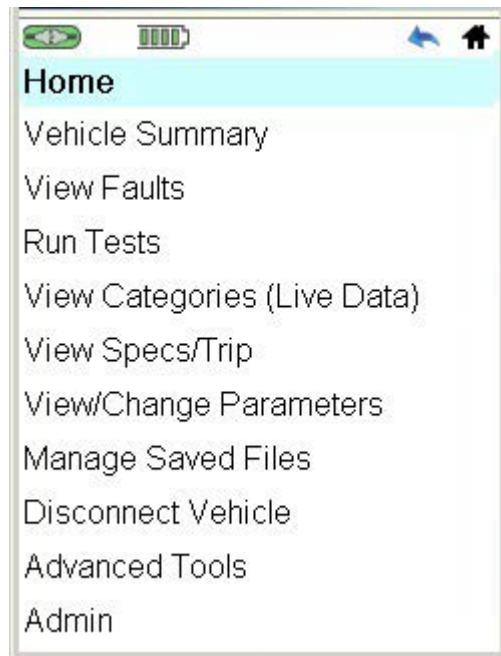
Figure 4.33 *Main Diagnostics Menu (i.e., Home)*

Overview: The Home Menu

The Home menu has two states:

- Connected (i.e., the main Diagnostics menu)

- Disconnected (i.e., Home)

NOTE:

ℹ️ When Pocket iQ™ is connected to a vehicle, the Connection icon is green. When not connected, the icon is **red**.

Connected: The Diagnostics Menu

When connected to a vehicle, Home displays the main Diagnostics menu.

Figure 4.34 *Home in a Connected State (i.e., the Main Diagnostics Menu)*

NOTE:

ℹ️ When navigating to the Home menu is not an option (e.g., when running a test), a red **X** is superimposed on the Home icon.

The remainder of this chapter will cover the following features available from the main Diagnostics menu (i.e., Home in a connected state):

- Vehicle Summary (see pg. 76, earlier in this chapter)
- View Faults (see page 77 earlier, in this chapter)
- Run Tests (see pg. 97)
- View Categories (Live Data) (see pg. 101)
- View Specs/Trip (see pg. 106)
- View/Change Parameters (see pg. 113)
- Manage Saved Files (see pg. 124)
- Disconnect Vehicle (see pg. 136)
- Advanced Tools (see pg. 138)
- Admin *(see Chapter 5, later in this manual)*

Disconnected: Home

In a disconnected state, the features available are limited to the following items:

- Manage Saved Files (see pg. 124)
- Connect/Scan Vehicle (see pg. 62)
- Advanced Tools (see pg. 138)
- Admin *(see Chapter 5, later in this manual)*

Figure 4.35 *Home in a Disconnected State*

Running Tests

Pocket iQ™ provides a number of diagnostic tests that you can use to better maintain vehicles. Available from the main Diagnostics menu (i.e., Home), the tests available will differ depending on the vehicle component to which you are connected.

To run a test:

1 Navigate to the main **Diagnostics** menu (i.e., Home).
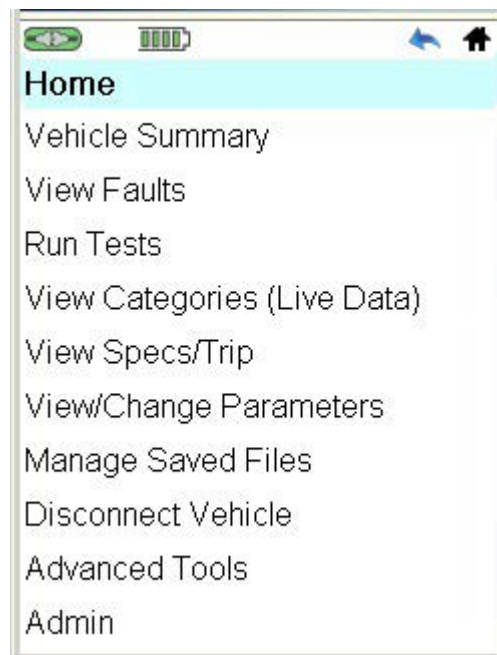
Figure 4.36 *Diagnostics Menu*

2 Tap **Run Tests** with the stylus.

The following screen is displayed.
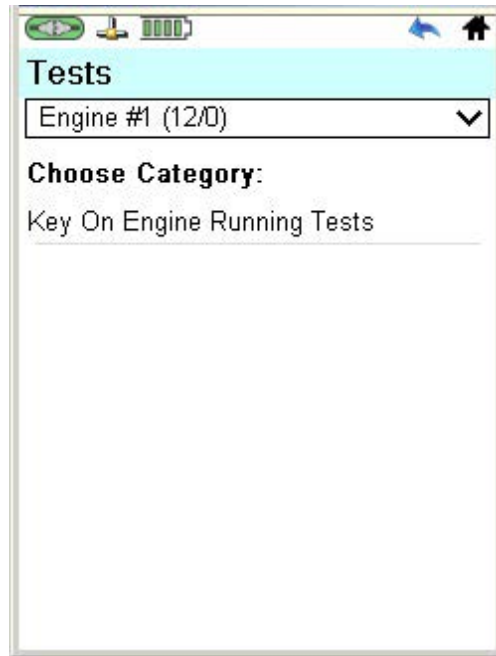
Figure 4.37 *Tests Menu*

3 Select the test group from which you'd like to choose a test (e.g., **Key On Engine Running Tests**).

A caution message is displayed.
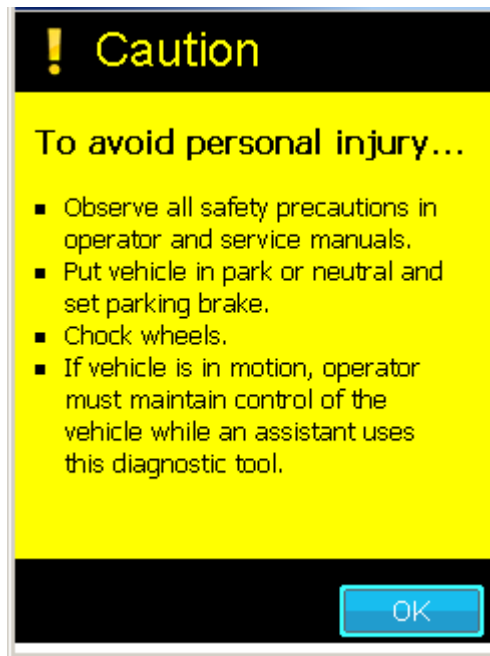
Figure 4.38 *Caution Message*

4 Read and observe the instructions on the screen.

5 Tap **OK**.

The **Key On Engine Running Tests** menu is displayed.
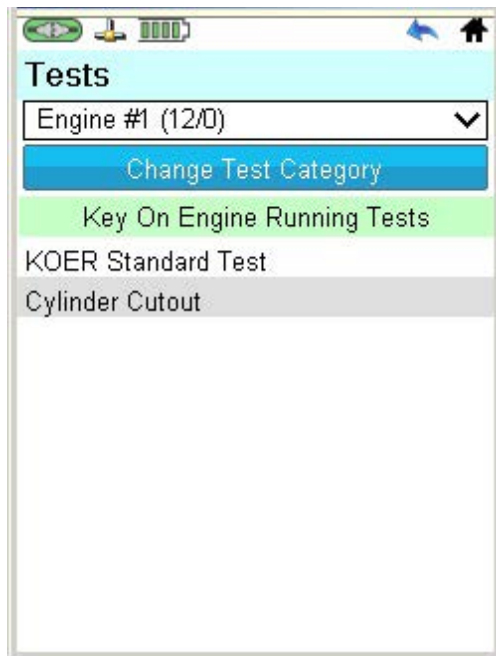
Figure 4.39 *KOER Tests Menu*

6 Select the test you wish to run (e.g., **Cylinder Cutout**).

The appropriate screen for the test you selected is displayed.

7 Follow the on-screen prompts and instructions until you reach the end of the test.

NOTE:

Some tests require the vehicle to be in a particular state. If this is the case for the test you select, Pocket iQ™ will provide specific prerequisites that must be met before starting the test.

When the test is complete, you will be returned to the **Tests** menu (Figure 4.37).

Viewing Categories (Live Data)

Pocket iQ™ enables you to view categories (i.e., live vehicle data) for any of the available modules.

To view live data:

1 Navigate to the main **Diagnostics** menu (i.e., Home).
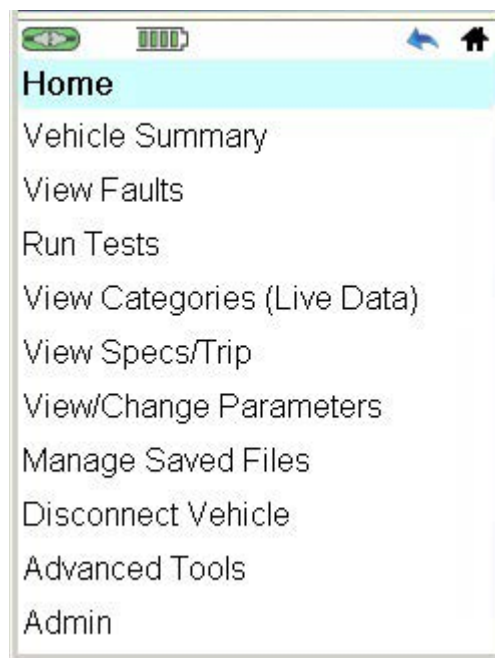
Figure 4.40 *Main Diagnostics Menu*

2 Select **View Categories (Live Data)**.

The **Live Data** screen is displayed.
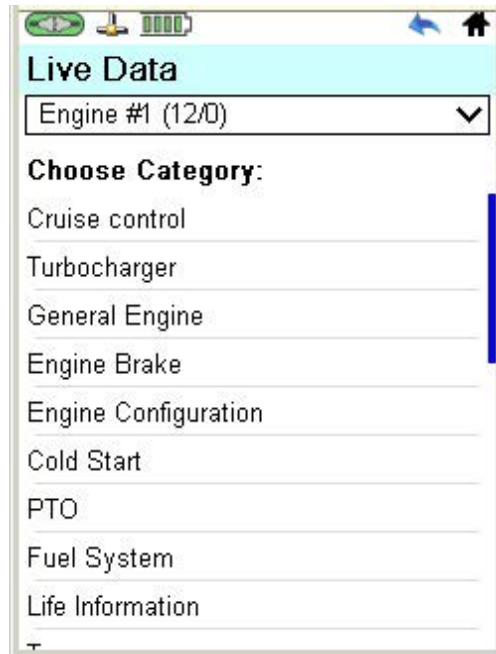
Figure 4.41 *Live Data Screen*

NOTE:

You can use the scroll bar on the side of the screen to scroll down the list.

3 Select a session from the list (e.g., **General Engine**).

General Engine parameters are displayed.
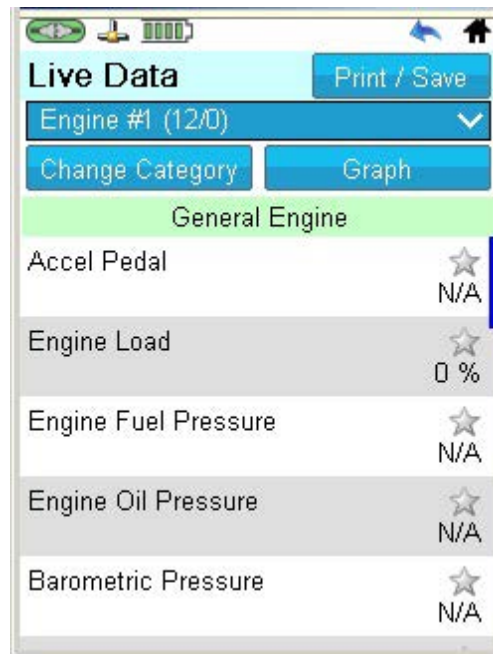
Figure 4.42 *General Engine Parameters*

4 Use the **scroll bar** on the right of the display to view more of the list.

NOTE:

You can also use the **Down** arrow on the tool keypad.
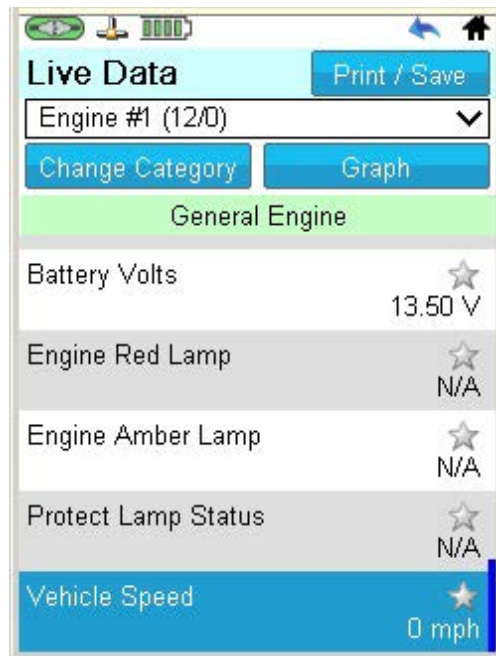
Figure 4.43 *List of Parameters Scrolled to Bottom*

5 Select an item from the data list (e.g., **Battery Volts**).

The **Data Details** screen is displayed showing the value for the selected parameter.
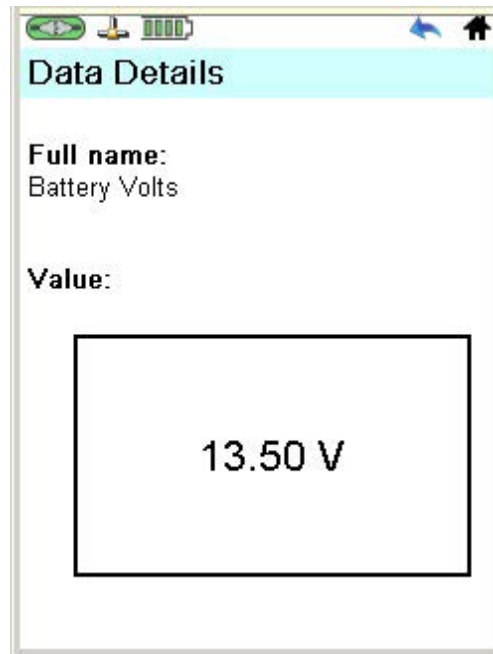
Figure 4.44 *Data Details Screen*

6   When you have finished viewing the information, press the **Back** button on the tool to return to the list of parameters for the session you selected (i.e., General Engine).

NOTE:

To view parameters for a different data list, select **Change Category** (see Figure 4.43).

7   Press the **Back** button again to return to the main Diagnostics menu (i.e., Home) (Figure 4.40).

Viewing Vehicle Specifications and Trip Data

Pocket iQ™ enables you to view the following information:

- Vehicle Specs *(pg. 106)*
- Trip Data *(pg. 110)*

Vehicle Specs

You use the View Specs/Trip feature to view information for any of the vehicle components to which Pocket iQ™ is connected.

NOTE:

Specs may not be available for all vehicle components.

To view vehicle specifications:

1 Navigate to the main **Diagnostics** menu (i.e., Home).
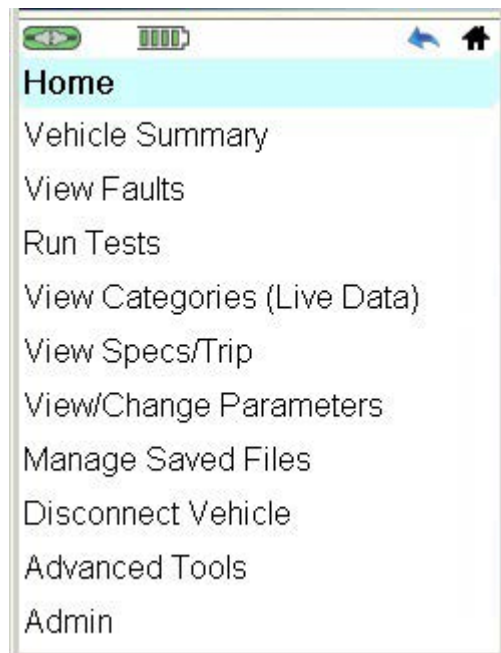
Figure 4.45 *Main Diagnostics Menu*

2 Select **View Specs/Trip**.

The **Specs/Trip** screen is displayed.
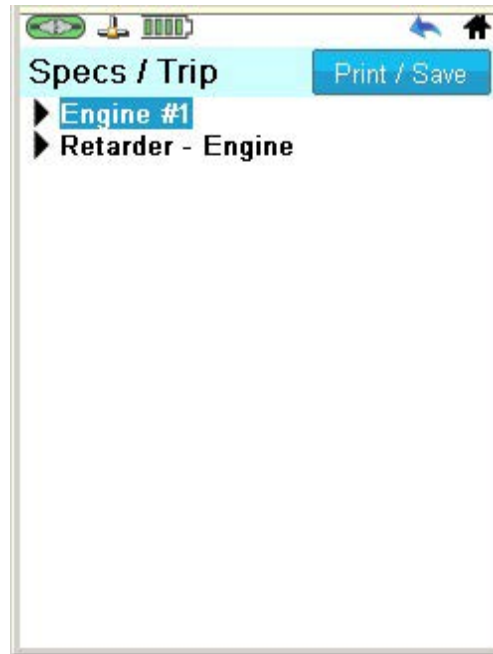
Figure 4.46 *Specs/Trip Screen*

3 Select the component for the data you would like to view (e.g., **Engine #1**).

Figure 4.47 *Specs/Trip Screen Engine #1 Expanded*

4 Select **Specifications**.

The screen is displayed again with the relevant data.

Figure 4.48 *Engine Specifications*

NOTE:

You can use the **Print/Save** button to print the information or save it to a file that you can view at a later time. See *Viewing Saved Files* later in this chapter.

5 When you have finished viewing the data, press the **Back** button at the top of the display or on the tool to return to the main Diagnostics menu (i.e., Home) (Figure 4.45).

Trip Data

You use the View Specs/Trip feature to view trip information.

NOTE:

ⓘ Trip information may not be available for all components.

To view trip information:

1 From the main Diagnostics menu (Figure 4.45), select **View Specs/Trip**.

Figure 4.49 *Specs/Trip Screen*

2 Select the appropriate component (e.g., **Engine #1**).

Figure 4.50 *Specs/Trip Screen Engine #1 Expanded*

3 Select **Trip Data**.

Figure 4.51 *Trip Data Detail*

NOTE:

You can use the **Print/Save** button to print the information or save it to a file that you can view at a later time. See *Viewing Saved Files* later in this chapter.

4 When you have finished viewing the information, press the **Back** button on the tool to return to the main Diagnostics menu (i.e., Home) (Figure 4.45).

Viewing and Changing Parameters

You use the View/Change Parameters feature to both view and change (i.e., program) parameters.

- Viewing Parameter Details *(pg. 113)*

- Changing Parameter Details *(pg. 116)*

Viewing Parameter Details

You use the View/Change Parameters feature to view parameter details for any of the components to which the Pocket iQ™ is connected.

To view parameter details:

1 Navigate to the main **Diagnostics** menu (i.e., Home).
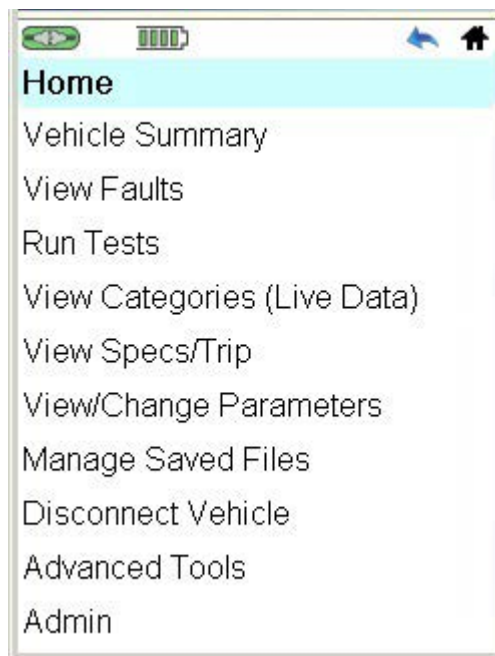
Figure 4.52 *Diagnostics Menu*

2 Select **View/Change Parameters**.

The **Parameters** screen is displayed.
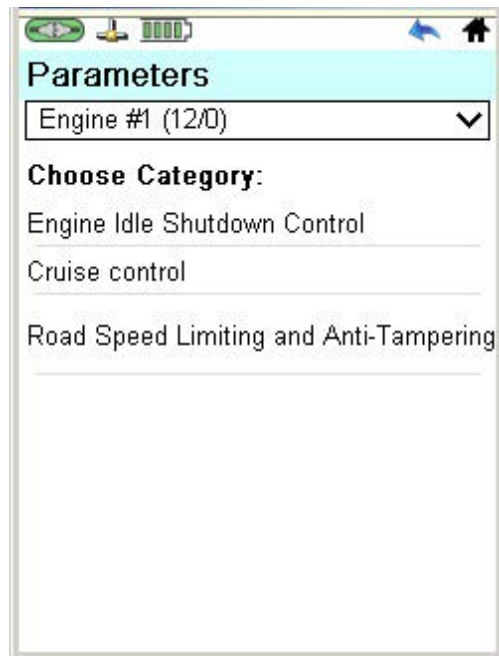
Figure 4.53 *Parameters Screen*

3 Select a category (e.g., **Cruise Control**).

The **Parameters** screen for the session you selected is displayed.
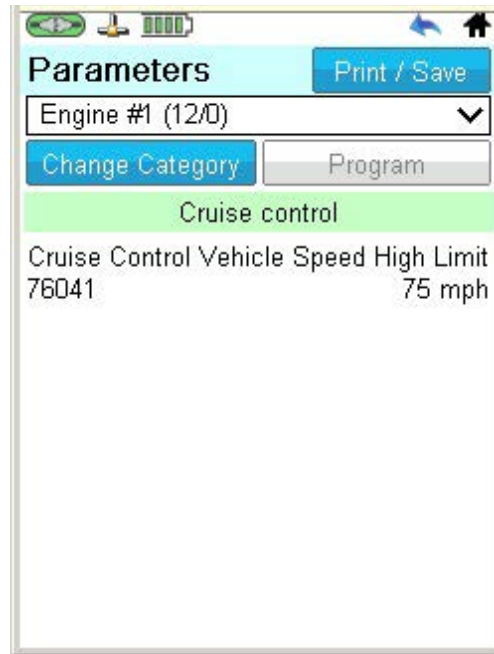
Figure 4.54 *Parameters Screen*

NOTE:

You can use the **Print/Save** button to print the information or save it to a file that you can view at a later time. See V*iewing Saved Files* later in this manual.

4 When you are finished viewing the information, tap the **Change Category** button at the top of the display to return to the list of available data items (Figure 4.53).

5 Continue selecting data items until you are finished viewing information.

NOTE:

You can also view data for another vehicle component (e.g., **Retarder - Engine**) by selecting that component from the Component drop-down menu.

Changing Parameter Details

You use the View/Change Parameters feature to change/calibrate parameters for any of the components to which the Pocket iQ™ is connected.

<u>To view parameter details:</u>

1 Navigate to the main **Diagnostics** menu (i.e., Home).
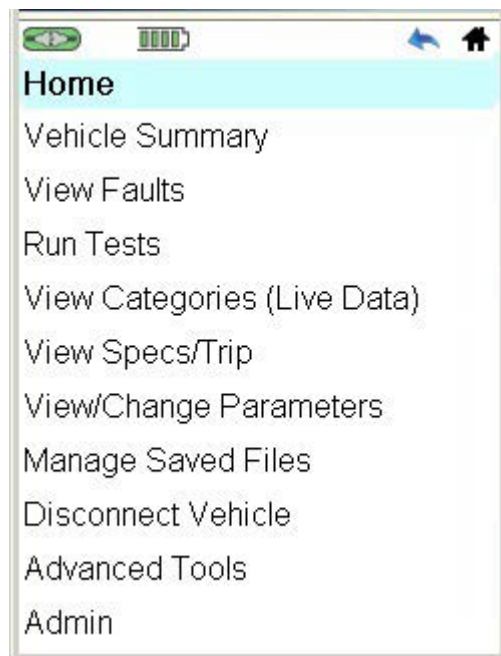
Figure 4.55 *Diagnostics Menu*

2 Select **View/Change Parameters**.

The **Parameters** screen is displayed.
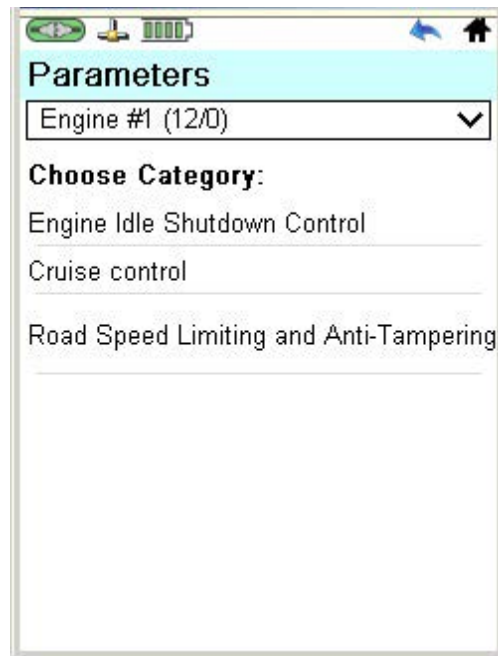
Figure 4.56 *Parameters Screen*

3 Select a category (e.g., **Cruise Control**).

The **Parameters** screen for the category you selected is displayed.
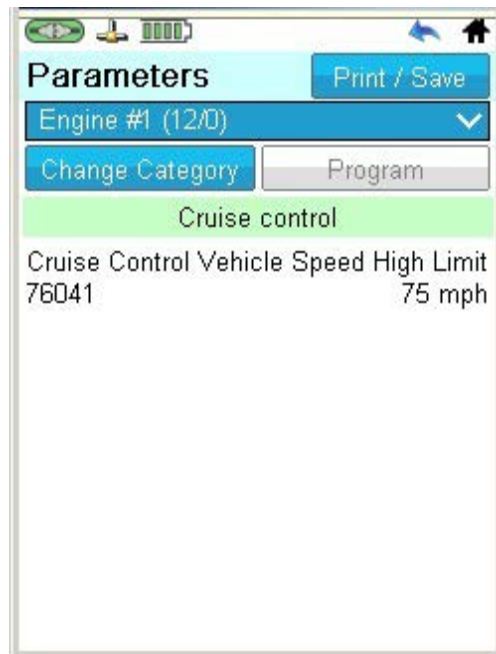
Figure 4.57 *Cruise Control Parameters*

4 Select the parameter you wish to change (e.g., **Cruise Control Vehicle Speed High Limit**).

The **Parameter Details** screen is displayed.

Figure 4.58 *Parameter Details Screen*

5 Tap within the **New Value** data entry field.

The pop-up keyboard is displayed.

Figure 4.59 *Pop-up Keyboard*

6 Use the keyboard to enter the new value.

7 Tap the **Submit** button (the green check mark located at the bottom of the display).

The Parameters screen is displayed with the Program button indicating that 1 change is pending.
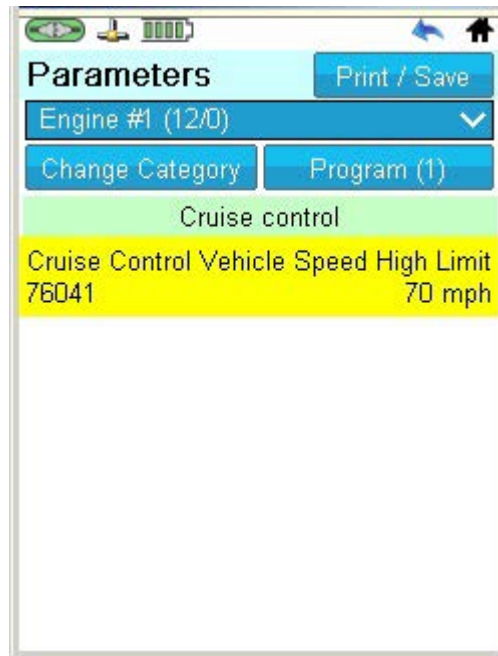
Figure 4.60 *Value Updated Message*

8 Tap the **Program** button.

NOTE:

You can also continue to change other parameters and program them all at a later time. To change another parameter, tap the **Change Category** button.

The following screen is displayed.
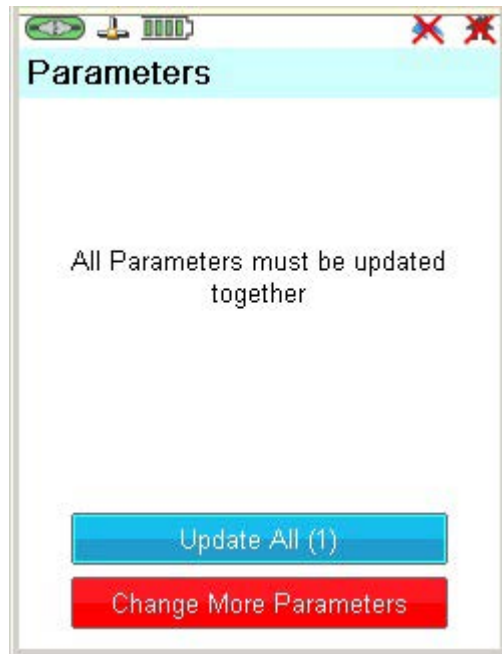
Figure 4.61 *Parameter Screen*

9 Tap **Update All**.

NOTE:

Depending on the parameters you changed, you may see a series of messages advising you to turn the ignition off and then back on.

An **Update Successful** message is displayed.

Figure 4.62 *Update Successful Message*

10 Tap **OK**.

You are returned to the **Parameters** screen (Figure 4.57).

11 Use the **Home** icon at the top of the display. to return to the Main Diagnostics menu (i.e., Home) (Figure 4.55).

Managing Saved Files

You use the Manage Saved Files feature to perform the following activities for any files you have saved to Pocket iQ™:

- View *(pg. 124)*
- Copy *(pg. 128)*
- Print *(pg. 131)*
- Delete *(pg. 131)*

Viewing Saved Files

You access your saved files from the Home menu (in both states, connected and disconnected.

To view a saved file:

1 Navigate to the **Home** menu.
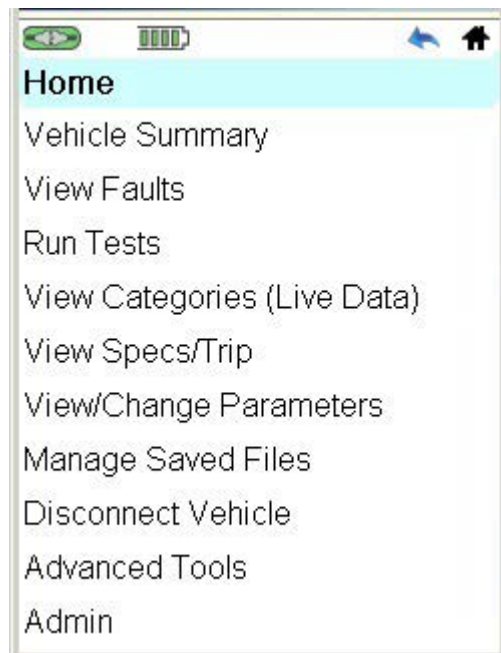
Figure 4.63 *Home Menu*

2 Select **Manage Saved Files**.

The **Saved Files** screen is displayed.
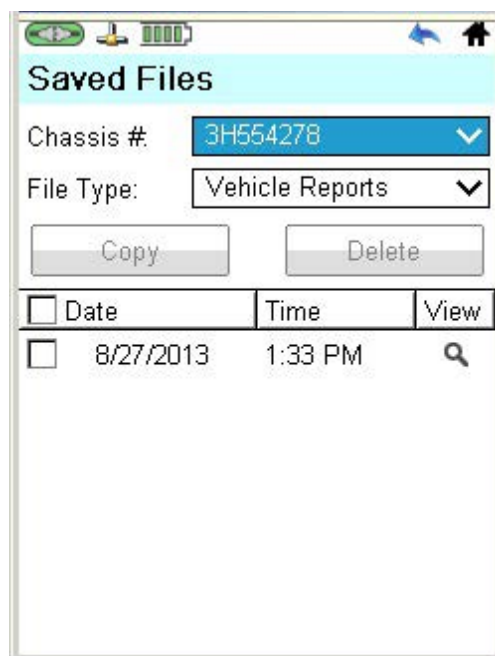
Figure 4.64 *Saved Files Screen*

3 Tap the **View** icon (i.e., the magnifying glass) next to the file you wish to view.

You can save files on Pocket iQ™ for multiple vehicles. Use the **Chassis #** drop-down menu to view a list of vehicles for which you have saved files. Once you select a vehicle from the list, the saved files associated with the selected vehicle are listed.

The first page of the selected file is displayed.

Figure 4.65 *File Preview*

4 Use the **scroll bars** at the side and bottom of the display to view all the information.

Figure 4.66 *File Preview Scrolled to Reveal More Info*

5 When you have finished viewing the information, you can do any of the following:

—**Copy** the file to a USB memory stick.

—**Print** the file to a printer to which you are connected.

—**Delete** the file from Pocket iQ™

—Press the **Back** button on the tool to return to the Saved Files screen (Figure 4.64).

NOTE:

You can also Copy and Delete saved files from the primary Saved Files screen (Figure 4.64).

Copying a File

You can copy a saved file (or multiple files) to a USB memory stick from the primary Saved Files screen.
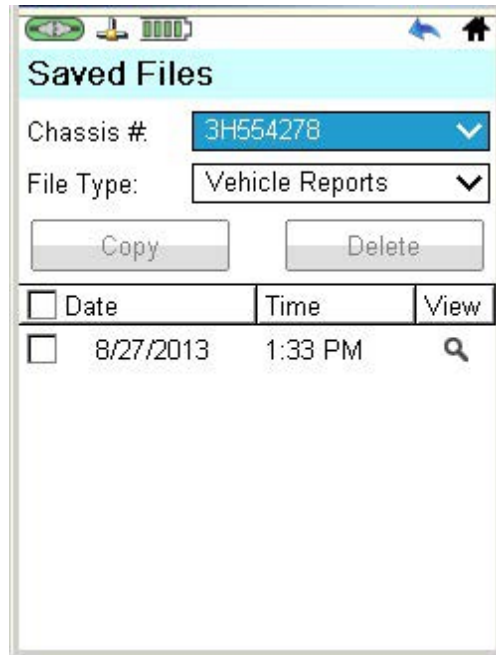
Figure 4.67 *Saved Files Screen*

NOTE:

Files saved to Pocket iQ™ are saved in portable document format (i.e., PDF files).

To copy a file:

1 Select the file (or files) you wish to copy by placing a check mark in the box to the left of the file date.

2 Tap **Copy** at the top of the display.

Pocket iQ™ asks if you want to copy the file, or files, to a USB memory stick.

Figure 4.68 *Do You Want to Copy Query*

3   Tap **Copy**.

A message directing you to insert a USB memory stick is displayed.

4   Insert a **USB memory stick** into the USB port on the bottom of the tool.

5   Tap **OK**.

The file, or files, are copied to your USB memory stick, and the following confirmation message is displayed.

Figure 4.69 *Confirmation Message*

6 Remove the **USB memory stick** from the bottom of the tool.

7 Tap **OK**.

You are returned to the primary **Saved Files** screen (Figure 4.67).

Printing a File

You can print a saved file providing you are connected to a printer. You can connect to a printer on your network, or you can connect directly to a printer using a USB adapter cable. You access the Print feature by viewing the file you want to print.
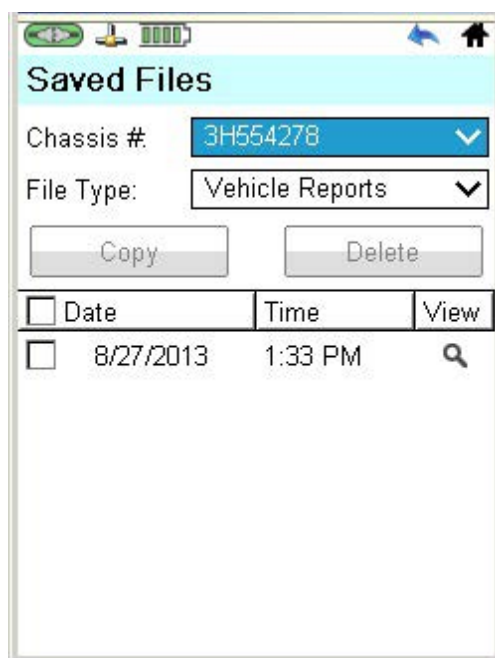
Figure 4.70 *Saved Files Screen*

To print a saved file:

1 Tap the **View** icon (i.e., the magnifying glass) next to the file you wish to view.

The first page of the selected file is displayed.

Figure 4.71 *File Preview*

2 Tap **Print** at the top of the display with the stylus.

NOTE:

Prior to printing, you must first install a printer through the Admin menu. See "Managing Printers" in Chapter 5 of this manual.

The **Select Printer** screen is displayed.
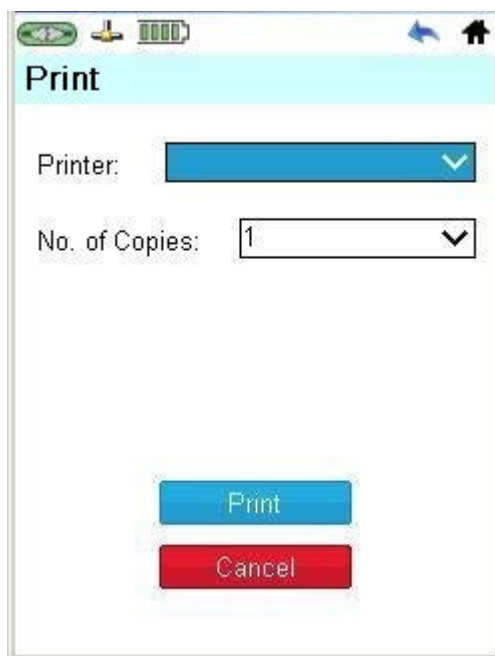
Figure 4.72 *Select Printer Screen*

3 Use the **Printer** drop-down menu to select the appropriate printer.

4 If you wish to print more than one copy, use the No. of Copies drop-down to select up to five copies.

5 Tap **Print**.

You are returned to the file preview (Figure 4.71).

6 Use the **Back** icon at the top of the display, to return to the primary **Saved Files** screen (Figure 4.70).

Deleting a File

You can delete a saved file from the primary Saved Files screen.
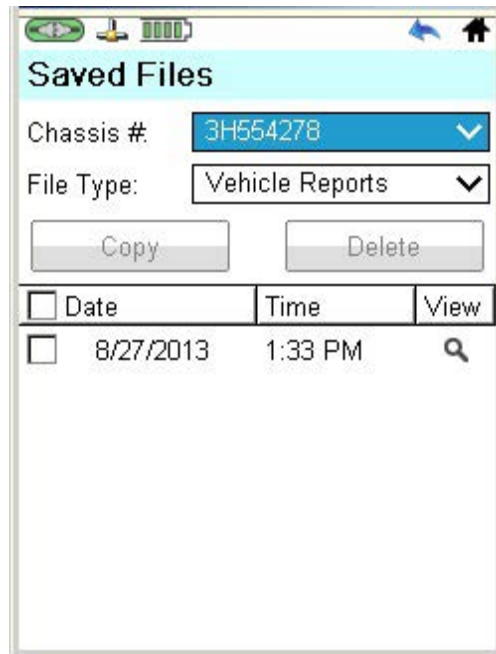
Figure 4.73 *Saved Files Screen*

To delete a saved file:

1 Select the file (or files) you wish to delete by placing a check mark in the box to the left of the file date.

2 Tap **Delete** at the top of the display with the stylus.

A confirmation message is displayed.
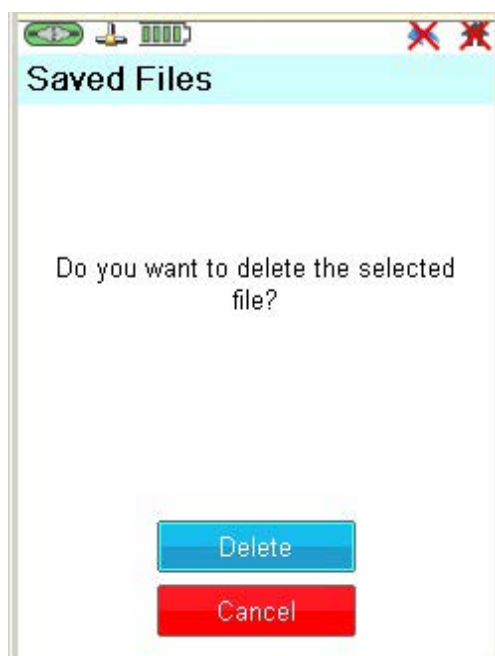
Figure 4.74 *Delete Confirmation Message*

3 Tap **Delete**.

Pocket iQ™ displays a **File Deleted** message.

4 Tap **OK**.

You are returned to the primary **Saved Files** screen (Figure 4.73).

Disconnect from Vehicle

You access the Disconnect Vehicle feature from the Home menu (i.e., the main Diagnostics menu).
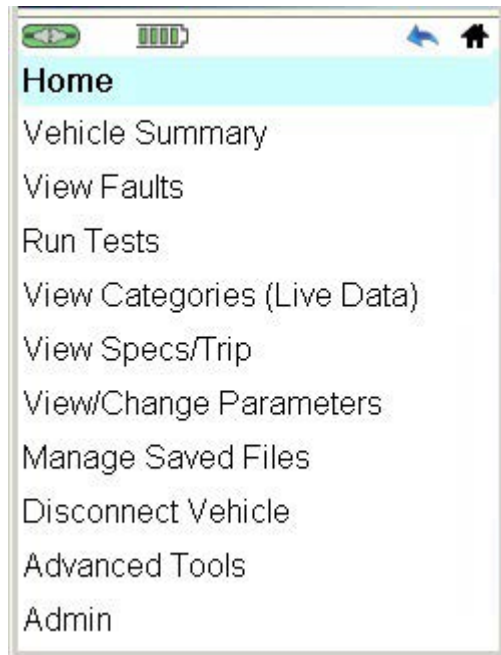
Figure 4.75 *Home Menu in a Connected State*

To disconnect from the vehicle:

1 Tap **Disconnect Vehicle**.

The **Home** menu (in a disconnected state) is displayed.

Figure 4.76 *Home in a Disconnected State*

From this menu you can:

—Manage Saved Files (see pg. 124 earlier in this manual)

—Connect and scan a different vehicle (see pg. 62 earlier in this manual)

—Navigate to the Advanced Tools menu see pg. 138, next in this manual)

—Navigate to the Admin menu (see Chapter 5 of this manual)

—Power down the Pocket iQ™

NOTE:

To power down the Pocket iQ™, press and hold the power button on the tool.

Advanced Tools

IMPORTANT:

⚠ The features available from the Advanced Tools menu are *reserved* for Customer Support troubleshooting purposes. For more information, please contact Customer Support at (800) 639-6774.

You access the Advanced Tools menu from the main Diagnostics menu (i.e., Home).

Figure 4.77 *Advanced Tools Menu*

Chapter **5**

Using the Admin Menu

This chapter provides detailed instructions for using the Pocket iQ™ **Admin** menu.

NOTE:

Screen shots used throughout this guide are for illustrative purposes only. All data shown is fictitious in nature.

Introduction to the Admin Menu

NOTE:

The procedures in this chapter assume that Pocket iQ™ is *not* connected
to a vehicle and that a system administrator is performing the procedures
in a non-shop setting. It is also assumed that you have an available Inter-
net connection, have previously registered Pocket iQ™, and have
activated your software applications. For more information on registering
Pocket iQ™, see ***Chapter 2: Registration and Software Activation***, ear-
lier in this manual.

When you power up Pocket iQ™, a splash screen is displayed.

After a few moments, the **Home** screen is displayed.

Figure 5.1 *Home Menu (Disconnected State)*

NOTE:

For detailed information on Home menu and its features, refer to **"Over-
view: The Home Menu"** in Chapter 3 of this manual.

To display the Admin menu:

1 Select **Admin**.

The **Admin** menu is displayed.

Figure 5.2 *Admin Menu*

NOTE:

Pocket iQ™ provides two methods of navigating its screens and features. You can make your selections by tapping on the screen with the stylus, or you can use the buttons on the device itself. Most users will probably use a combination of both.

The remainder of this manual describes procedures using the stylus to make selections. You could, however, just as easily use the buttons on the device.

The following table details the features available from the Admin menu.

Menu Choice	Description
Update Pocket iQ	Enables you to update Pocket iQ™ with available system and software updates. An Ethernet cable and an Internet connection are required.
Manage Applications	Enables you to manage the software applications installed on the Pocket iQ™. The following features are available: • Install Applications • Activate Applications • Uninstall Applications
Date/Time	Enables you to change date and/or time on your device. You can also select your time zone.
Manage Connections	Enables you to manage and set up network connections and printers.
Configure Pocket iQ	Provides access to the Configuration Menu from which you can do the following: • Register Pocket iQ™ • Update owner information • Calibrate the Pocket iQ™ touchscreen • Select a language preference • Change display units (English or Metric) • Adjust Pocket iQ™ screen brightness
About Pocket iQ	Displays detailed information on Pocket iQ™, including the following: • System Bundle version and version history. • Device serial number. • Operating System version. • List of applications loaded on your device, including version numbers.

Updating Pocket iQ™

You can update Pocket iQ software (i.e., the system bundle and software applications) by connecting to the Internet. To do this you will need an Ethernet cable and access to the Internet.

NOTE:

You can also update your device if you have a USB memory stick that contains the necessary update files.

To update your device using an Ethernet cable:

1 Plug your Ethernet cable into the Pocket iQ™ Ethernet port (located on the bottom of the device).

This assumes that the other end of the Ethernet cable is already plugged into your network.

2 Navigate to the **Admin** menu.

Figure 5.3 *Admin Menu*

3 Select **Update Pocket iQ** from the Admin menu.

The **Install Updates** screen is displayed, listing updates available for installation.

Figure 5.4 *Install Updates Screen*

4 Tap **Install Al**l.

A message is displayed indicating that the update is downloading.

Figure 5.5 *Downloading Message*

5 Wait for the download process to complete.

NOTE:

Do not power off Pocket iQ™ during the installation process.

Pocket iQ™ displays a message indicating that it is checking for available
Activation Codes.

The following screen is displayed, indicating that the update has been installed (in this example **Wabco ABS App Suite**).

Figure 5.6 *Update Installed*

NOTE:

Some updates requires a restart. If a restart is required, a Restart button appears on the screen instead of an OK button. Tap **Restart**. Pocket iQ™ will restart and display the Home menu.

6 Tap the **Back** icon at the top of the display to return to the Admin menu (Figure 5.3).

The **Admin** menu is displayed.

Figure 5.7 *Admin Menu*

Managing Software Applications

You use the Manage Applications feature to do the following:

- Install Applications *(pg. 148)*
- Activate Applications *(pg. 150)*
- Uninstall Applications *(pg. 151)*

Install Applications

To install applications:

1 Select **Manage Applications** on the Admin menu (Figure 5.7).
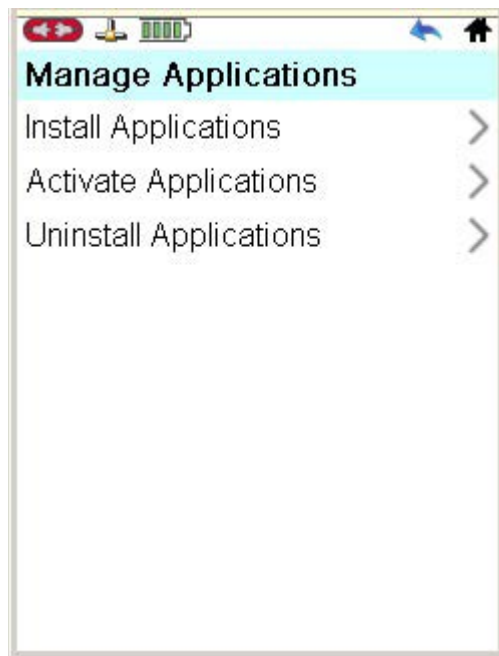
Figure 5.8 *Manage Applications Screen*

2 Tap **Install Applications**.

The **Install Applications** screen is displayed.

Figure 5.9 *Install Applications Screen*

3 Select the application you wish to install.

4 Tap the **Install** button.

5

You are returned to the **Manage Applications** screen (Figure 5.8).

Activate Applications

In most cases, you activation your software application when you register Pocket iQ™ as a first time user. An Internet connection is required.

NOTE:

For detailed instructions on activating your Pocket iQ™ software applications, see ***Activating Your Software Applications***, in Chapter 2 of this manual.

The **Activate Applications** screen is accessed from the Manage Applications screen (Figure 5.8).

Figure 5.10 *Activate Applications Screen*

NOTE:

You can only activate one application at a time.

Uninstall Applications

To uninstall software applications:

1 Select **Manage Applications** from the Admin menu (Figure 5.7).
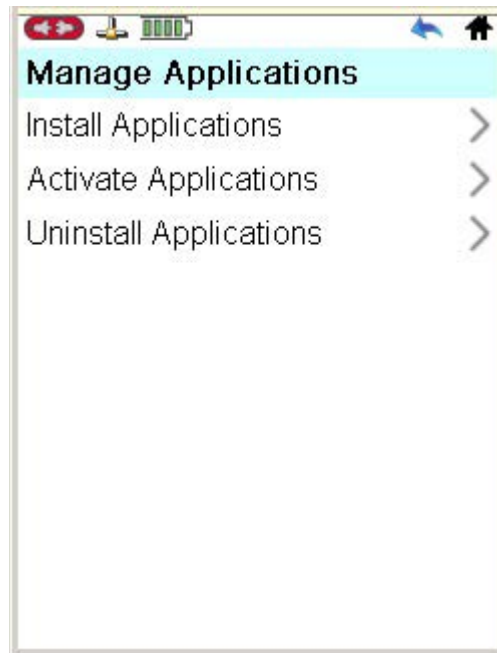
Figure 5.11 *Manage Applications Screen*

2 Tap **Uninstall Applications**.

The **Uninstall Applications** screen is displayed.
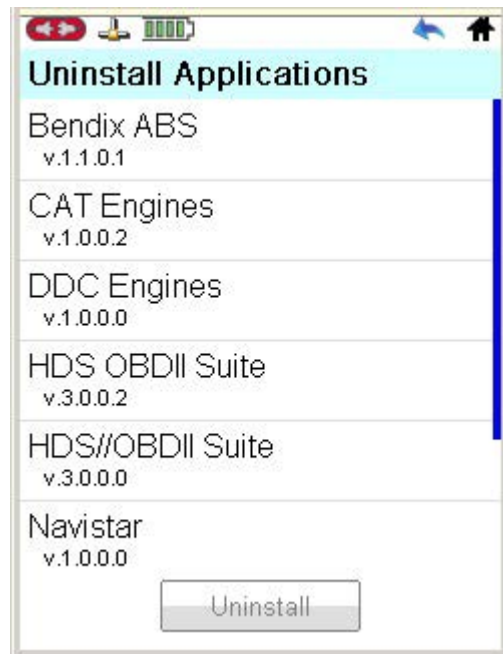
Figure 5.12 *Uninstall Applications Screen*

3 Select the application you want to uninstall.

NOTE:

You can only select one application at a time.

4 Tap the **Uninstall** button.

The following success message is displayed.

Figure 5.13 *Uninstall Success Message*

5 Tap **OK**.

The **Uninstall Applications** screen is displayed again.

Figure 5.14 *Uninstall Applications Screen*

6 Do one of the following:

—Select another application to uninstall.

—Tap the **Back** icon at the top of the display to return to the Manage Applications screen (Figure 5.11).

—Tap the **Back** icon at the top of the display twice to return to the Admin menu (Figure 5.7).

Setting the Date and Time

From time to time (e.g., if the battery is completely exhausted), you may need to correct the date and/or time for the device.

<u>To set the date and/or time:</u>

1 Start from the **Admin** menu.

Figure 5.15 *Admin Menu*

2 Select **Date/Time**.

The **Date/Time** screen is displayed, showing the current device date and time:
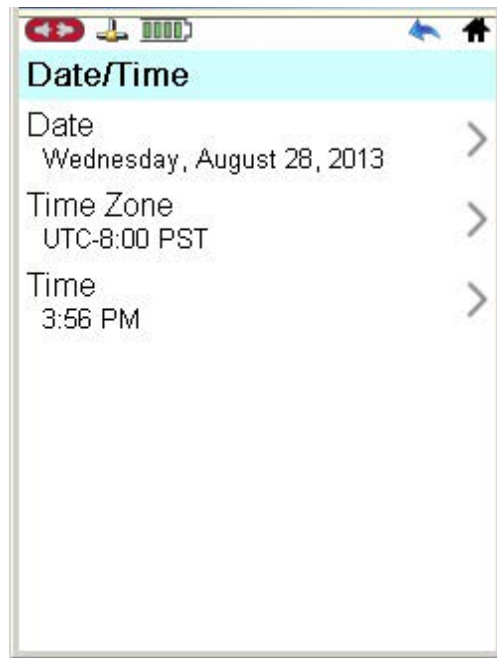
Figure 5.16 *Date/Time Screen*

From this screen you can perform the following tasks:

—Modify the **Date** settings *(pg. 157)*

—Select the appropriate Time Zone *(pg. 158)*

—Modify the **Time** settings *(pg. 159)*

Setting the Date

To set the device date:

1 Tap the **Date** entry on the Date/Time screen.

Figure 5.17 *Date Screen*

2 Using the drop-drown arrow at the right of each field, change the year, month, and/or day as needed.

3 Tap **Save Date** to return to the Date/Time screen (Figure 5.16).

Selecting a Time Zone

To select a time zone:

1 Tap the **Time Zone** entry on the Date/Time screen (Figure 5.16).
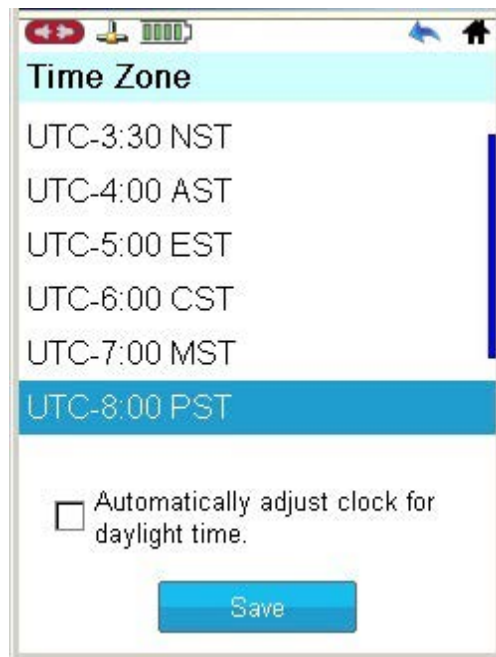
Figure 5.18 *Time Zone Screen*

2 Pick the appropriate time zone for your location.

3 If you want to adjust the for daylight saving time, place a check mark in the **Automatically adjust clock for daylight time** check box, otherwise leave it blank.

4 Tap **Save**.

Setting the Time

To set the device time:

1 Tap the **Time** entry on the Date/Time screen (Figure 5.16).
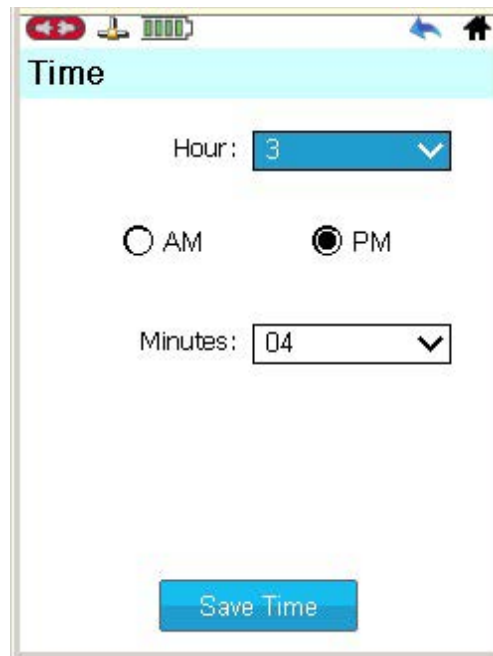
Figure 5.19 *Time Screen*

2 Using the drop-drown arrow at the right of each screen, change the hour and/or minutes as needed.

3 Tap the AM or PM radio button to select day or night.

4 Tap **Save Time** to return to the Date/Time screen (Figure 5.16).

5 Use the **Back** button to return to the Admin menu (Figure 5.15).

NOTE:

Pocket iQ™ provides two Back buttons. One is located on the screen (i.e., the blue arrow located in the upper-right corner of the display) and the other is on the keypad on the tool.

Managing Connections

The Manage Connections feature on the **Admin** menu enables you to set up and maintain a variety of networks and printers used with your device.

<u>To manage connections:</u>

1 Start from the **Admin** menu.

Figure 5.20 *Admin Menu*

2 Select **Manage Connections**.

The **Connections** screen is displayed.
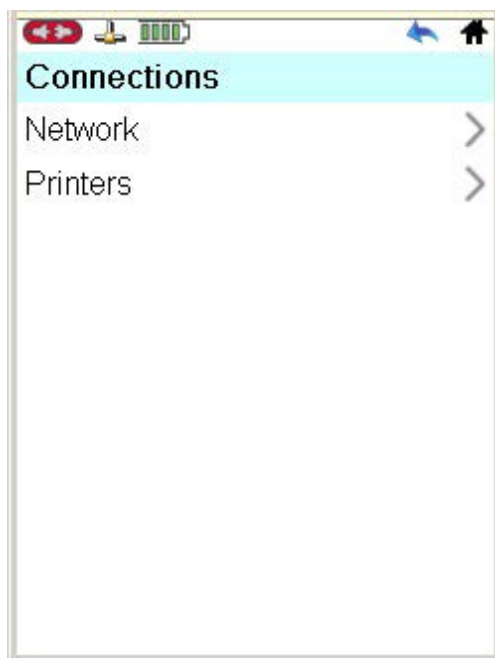
Figure 5.21 *Connections Screen*

From this menu you can perform the following tasks:

—Manage **Networks** (see pg. 162)

—Manage **Printers** (see pg. 171)

Managing Networks

To manage your network connections:

1 Select **Networks** on the Connections screen (Figure 5.21).

Figure 5.22 *Networks Screen*

2 Make a selection from the menu.

- Ethernet—to view or make changes to how you connect to your local network via an Ethernet (i.e., wired) connection (see pg. 163).

- Proxy—to view or make changes to proxy settings (see pg. 169).

Connecting to Your Network: Ethernet

Prior to connecting to your local network using an Ethernet connection, you will need to decide how you are going to set up the IP address for Pocket iQ™. There are two choices:

- Dynamic IP Address—Pocket iQ™ automatically selects an IP address
- Static IP Address—you assign an IP address that does not change

NOTE:

Depending on how your local network is set up, *you may* need to make proxy settings (e.g., Domain, Username, and Password) prior to making an Ethernet connection. See ***Managing Proxy Settings for Your Network*** on page 169, later in this manual.

With a Dynamic IP Address

If you want to let Pocket iQ™ automatically assign a dynamic IP address, you need to plug your network cable (i.e., the Ethernet cable you plug into your PC or laptop if you are not running wireless) into the bottom of the Pocket iQ™ device *prior to making your IP settings*.

To connect to the Ethernet network with a dynamic IP address:

1 Plug your Ethernet cable into the bottom of the Pocket iQ™ device.

This assumes that the other end of the Ethernet cable is plugged into your network.

2 Select **Ethernet** from the Networks screen (Figure 5.22).

Pocket iQ™ updates network information.

The IP Settings screen is displayed.
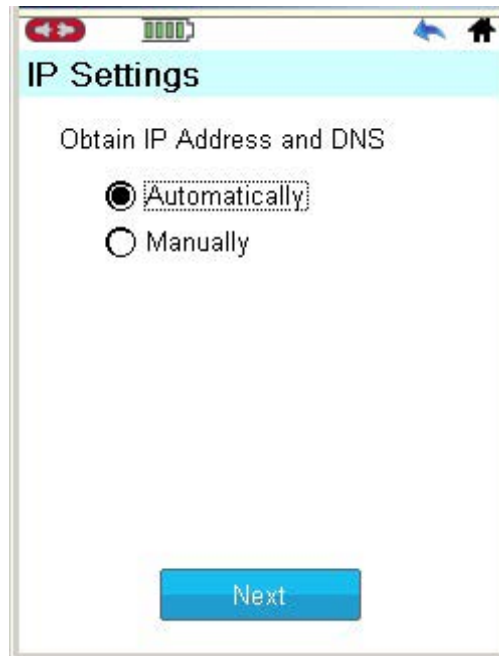
Figure 5.23 *IP Settings Screen*

The default is Automatically.

3 Tap **Next** to accept the default.

Pocket iQ™ makes the connection to the network.

The **Connection Details** screen is displayed.
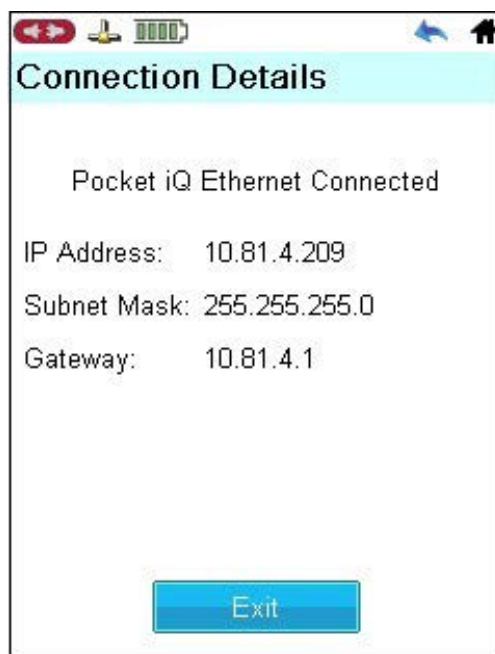
Figure 5.24 *Connection Details*

4 Tap **Exit**.

You are returned to the **Networks** screen.

Figure 5.25 *Networks Screen*

With a Static IP Address

If you wish to configure Pocket iQ™ with a static IP address, please contact the designated IT person or network administrator for your location for assistance with this task.

NOTE:

Depending on how your local network is set up, *you may* need to make proxy settings (e.g., Domain, Username, and Password) prior to making an Ethernet connection. See ***Managing Proxy Settings for Your Network*** on page 169, later in this manual.

To connect to the Ethernet network with a static IP address:

1 Plug your Ethernet cable into the bottom of the Pocket iQ™ device.

This assumes that the other end of the Ethernet cable is plugged into your network.

2 Select **Ethernet** from the Networks screen (Figure 5.22).

Pocket iQ™ updates network information, and displays the **IP Settings** screen.
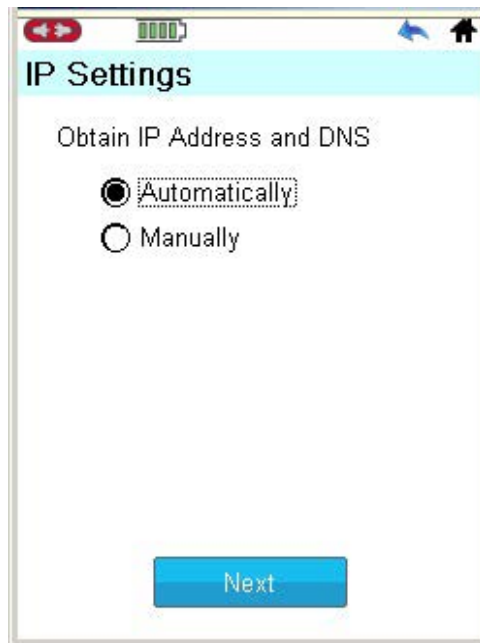
Figure 5.26 *IP Settings Screen*

3 Select **Manually**.

NOTE:

To continue, please contact the designated IT person or network administrator for your location for assistance with this task.

Managing Proxy Settings for Your Network

If your local network is configured using a proxy server, you will need to enter information to tell Pocket iQ™ how to communicate with it. If your local network is not configured using a proxy server, you do not need to enter these settings. The default setting on the HTTP Proxy screen is **Bypass**.

NOTE:

It is recommended that you employ the assistance of the designated IT person or network administrator at your location to manage your proxy settings.

To enter proxy settings:

1 Select **Proxy** on the Networks screen (Figure 5.25).
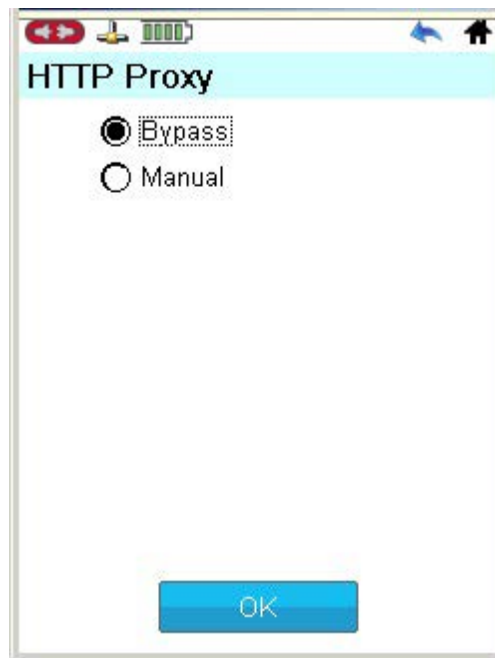
Figure 5.27 *HTTP Proxy Screen*

2 Note that **Bypass** is the default.

3 Do one of the following:

—Select **OK** to accept the default (i.e., Bypass) and return to the Networks screen.

—Select **Manual** to change proxy settings.

If you selected **Manual**, the following screen is displayed.

Figure 5.28 *Changing Proxy Settings*

4 Fill in the required information on the HTTP Proxy screen.

   —Server

   —Port

   —Authentication (place a check mark in the box if your proxy server requires a password)

       • Domain

       • User name

       • Password

5 Tap **OK**.

A confirmation message is displayed.

6 Tap **OK**.

You are returned to the **Networks** screen (Figure 5.22).

Managing Printers

From the Printers screen you can perform the following tasks:

- Add Network Printer *(pg. 171)*
- Add USB Printer *(pg. 177)*
- Set Default Printer *(pg. 178)*

Adding a Network Printer

It may be preferable to have the designated IT person or network administrator for you location perform this task for you.

NOTE:

This procedure assumes that you have a wireless network connection and that you want to connect to an existing network printer.

To add network printer:

1 Start from the **Connections** screen.
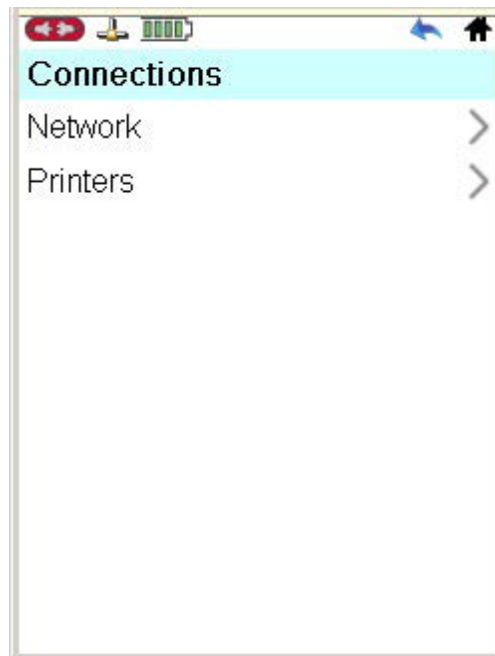
Figure 5.29 *Connections Screen*

2 Select **Printers**.

Figure 5.30 *Printers Screen*

3 Select **Add Network Printer**.

The **Add Network Printer** screen is displayed.

Figure 5.31 *Add Network Printer Screen*

4 Tap within the first data entry field.

The pop-up keyboard is displayed.

5 Use the keyboard to enter the **Printer Name**.

6 Select from the drop-down list the manufacturer/model that most closely matches the printer to which you wish to connect.

NOTE:

If for some reason you have trouble printing, you can go back to the list and try selecting another manufacturer/model that more closely matches the printer to which you wish to print.

7 Enter the **Network Path** or **IP Address** of the printer (e.g., \\server\printer or 192.168.0.21).

If a password is required to access the printer, check the **Authentication** box and enter the User Name, Password, and Domain.

8 Tap **OK**.

Figure 5.32 *Print Test Screen*

9 Tap **Print Test Page**.

The **Print Test Page** screen is displayed again.

Figure 5.33 *Print Test Page Indicating Page Sent*

10 Check the printer for the test page.

NOTE:

If the page did not print, you can use the Back button to go back and try again.

11 Tap **OK**.

12 Tap **Done**.

The **Printers** screen is displayed and the printer you added is now displayed on the list.

Figure 5.34 *Printers Screen*

13 Press the **Back** button twice to return to the Admin Menu (Figure 5.2).

Adding a USB Printer

The easiest way to connect Pocket iQ™ to a printer is to use a USB A/B cable.

To add a USB printer:

1   Connect one end of a USB A/B cable to the bottom of your Pocket iQ™ device.

2   Connect the other end of the cable to the printer to which you want to print.

3   Select **Add USB Printer** from the Printers screen (Figure 5.34).

Figure 5.35 *Add USB Printer Screen*

4   Enter the Printer Name (e.g., HP 1320 PLC 6).

5   Select from the drop-down list the manufacturer/model that most closely matches the printer to which you wish to connect.

> **NOTE:**
>
> If for some reason you have trouble printing, you can go back and try selecting another manufacturer/model that more closely matches the printer to which you wish to connect.

6   Tap **OK**.

Setting the Default Printer

You use the Set Default Printer screen to select a printer from a list of printers already set up to use as your default printer.

To set the default printer:

1 Select **Set Default Printer** on the Printers screen (Figure 5.30).

Figure 5.36 *Set Default Printer Screen*

2 Select the printer from the list.

The **Printers** screen is displayed again.

Figure 5.37 *Printers Screen*

Note that the default printer you selected now has a check mark next to the printer name.

NOTE:

If you want to delete the printer, select the printer name with the stylus. The **Printer Details** screen is displayed. Scroll down to the bottom of the screen, and tap **Delete**.

3 Press the **Back** button twice to return to the Admin menu (Figure 5.2).

Configuring Pocket iQ™

Pocket iQ™ configuration tasks are accomplished through the **Configure** menu, which you access through the Admin menu (Figure 5.2).

Figure 5.38 *Configure Menu*

The following options are available from the Configure menu:

- **Register Device**—enables you to register your Pocket iQ™ as a first time user. An Internet connection is required.

- **Owner Information**—provides features for updating owner information.

- **Calibrate Touch Screen**—enables you to fine tune the accuracy of the Pocket iQ™ touch screen.

- **Select Language**—gives you the opportunity to select the language used on Pocket iQ™ screens and messages.

- **Change Units**—enables you to choose English or metric units of measure.

- **Adjust Screen Brightness**—enables you to adjust Pocket iQ™ screen brightness.

Register Device

You need to register your Pocket iQ™ *only once* (a task you perform as a first-time user). An Internet connection is required.

NOTE:

For detailed instructions on registering Pocket iQ™, see ***Chapter 2: Registration and Software Activation***, earlier in this manual.

Owner Information

You use the Owner Info screen to enter information about the owner of the unit, a task that takes place when you create your user account. You can also use this screen to update existing information. An Internet connection is required.

NOTE:

For information on creating a user account, please refer to ***Chapter 2: Registration and Software Activation*** earlier in this manual.

Red asterisks before a field indicate required fields.

<u>To update owner information:</u>

1 Tap **Owner Information** on the Configure menu (Figure 5.38).

Figure 5.39 *Owner Info Screen*

NOTE:

Use the **Change Country** button if you want to change the country from the one displayed (e.g., United States).

2 Use the Down Arrow button on the tool to navigate to the field you want to change (i.e., **User Name**).

The pop-up keyboard is displayed.

Figure 5.40 *Owner Info Screen with Keyboard*

3 Use the keyboard to enter the required information.

NOTE:

You can use the **Down Arrow** button on the tool to tab to the next field. You can also use the scroll bar.

4 Continue entering the information until you have complete all the required fields (i.e., those with red asterisks).

5 Use the **Down Arrow** on the tool to navigate to the bottom of the screen.

6 Tap **Save**.

An update successful message is displayed.

7 Tap **OK**.

You are returned to the **Configure** menu (Figure 5.38).

Calibrate Touch Screen

To calibrate the touch screen:

1 Tap **Calibrate Touch Screen** on the Configure menu (Figure 5.38).
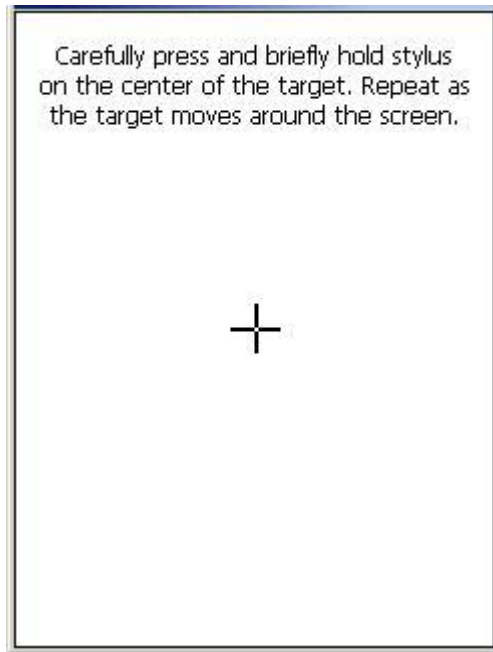
The following screen appears:

Carefully press and briefly hold stylus
on the center of the target. Repeat as
the target moves around the screen.

+

Figure 5.41 *Calibrating the Touch Screen (1)*

2 Using your stylus, tap the center of the X.

Pocket iQ™ will then start to move the X around the screen as part of the calibration process.

3 Continue tapping the center of each X displayed.
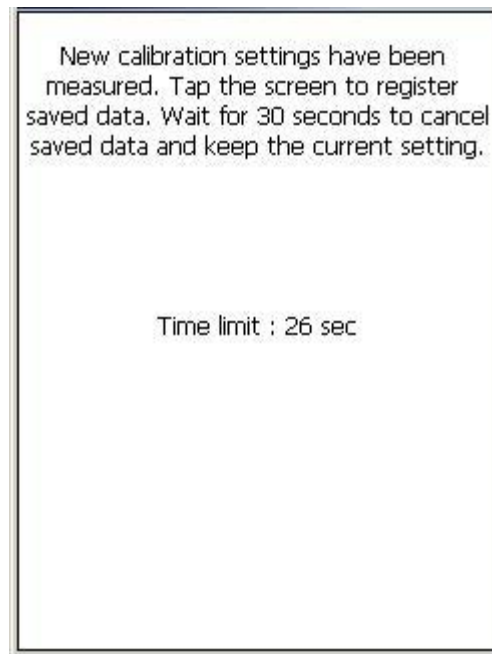
The following screen is displayed.

New calibration settings have been
measured. Tap the screen to register
saved data. Wait for 30 seconds to cancel
saved data and keep the current setting.

Time limit : 26 sec

Figure 5.42 *Calibrating the Touch Screen (2)*

4 Tap the screen one last time to save the calibration.

NOTE:

If you fail to tap the screen within the prescribed time limit, Pocket iQ™ will
revert to the previous calibration.

The **Configure** menu is displayed (Figure 5.38).

Selecting your Language Preference

<u>To select the language to be used:</u>

1 Tap **Select Language** on the Configure menu (Figure 5.38).

Figure 5.43 *Selecting the Language*

NOTE:

At the present time, only English is available.

2 Tap on one of the languages listed (in this case, English). Pocket iQ™ confirms your language selection.

Figure 5.44 *Confirming the Language Selection*

3 Tap **OK** to return to the Configure menu (Figure 5.38).

Change Units of Measure

To change the units of measure:

1 Tap **Change Units** on the Configure menu (Figure 5.38).

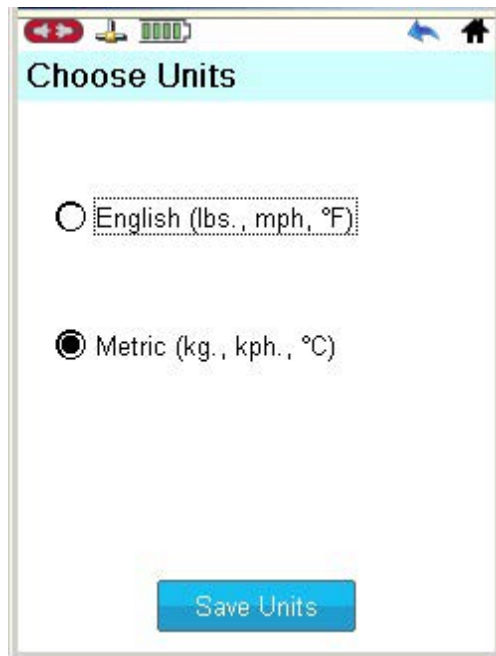The system displays two radio buttons: English and metric.

Figure 5.45 *Changing Units of Measure*

2 Tap the radio button representing the units you want to use, and tap **Save Units** to return to the Configure menu (Figure 5.38).

Adjust Screen Brightness

The Screen Brightness feature enables you to adjust the Pocket iQ™ screen brightness under two conditions:

- On Battery

- On AC

To adjust screen brightness:

1 Select **Adjust Screen Brightness** from the Configure menu (Figure 5.38).
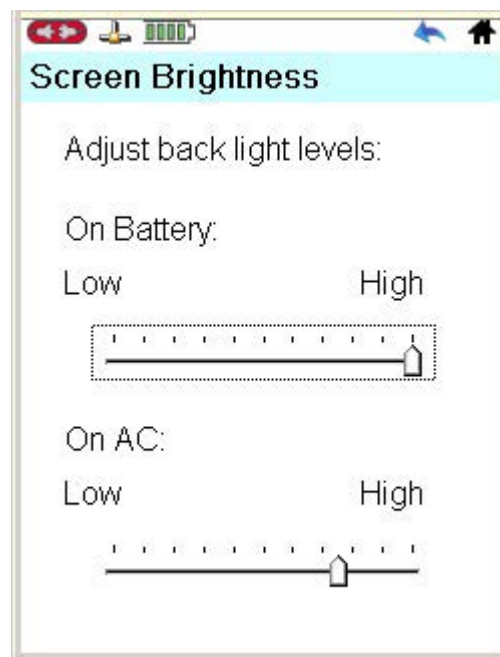
The **Screen Brightness** screen is displayed.

Figure 5.46 *Screen Brightness Screen*

2 Use the sliders to adjust the brightness as required.

3 When you have finished making changes, tap the **Back** icon at the top of the display to return to the Configure menu (Figure 5.38).

Obtaining Information about the Pocket iQ™

You access the About Pocket iQ feature from the Admin menu. The information displayed includes:

- System bundle information and version history

- Device serial number

- System operating software information

- Application suite details (e.g., application version numbers)

To display detailed information about the device:

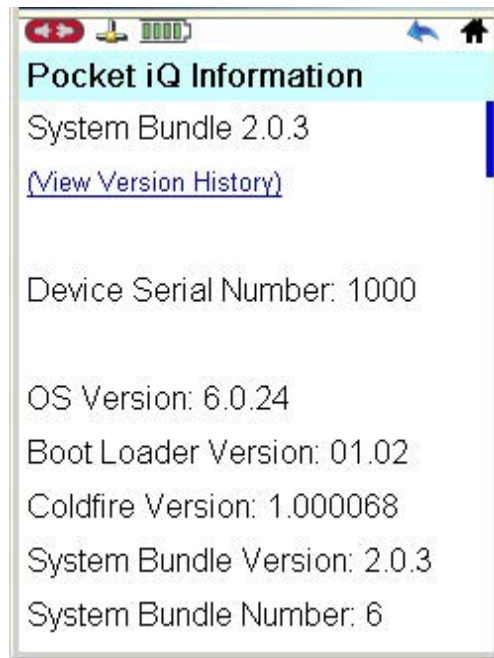**1** Tap **About Pocket iQ** on the Admin menu (Figure 5.2).

Figure 5.47 *Pocket iQ Information*

2 Scroll down the list of information using the scroll bar at the right of the screen.

3 When you are finished, tap the **Back** icon at the top of the display (or press the Back button the tool) to return to the Admin Menu (Figure 5.2).