

SoMo™ 650

Durable, business-class handheld computer

User's Guide



socket[®]
Increasing Mobile
Productivity

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Other than the above, Socket Mobile can assume no responsibility for anything resulting from the application of information contained in this manual.

Please refrain from any applications of the SoMo 650 that are not described in this manual. Please refrain from disassembling the SoMo 650. Disassembly of this device will void the product warranty.

You can track new product releases, software updates and technical bulletins by visiting the Socket Mobile website at: www.socketmobile.com.

IMPORTANT SAFETY INSTRUCTIONS

Please read and follow these safety instructions before using your device for the first time, and save them for future reference.

- Keep away from extremely hot, cold or humid conditions.
- Do not allow the device to get wet.
- Avoid shock or vibrations.
- Do not open your device. Any attempts to open this device will void the warranty.
- Wipe the touch screen only with a lint-free cloth, slightly dampened, while the device is switched off.
- Do not place objects on top of the device.
- Do not charge the device in extremely hot or cold conditions.
- Please only use the supplied USB synchronization cable.
- Please do not use other chargers or adapters, as these may damage your device.
- Do not remove SD/MMC or CF cards while they are being accessed.
- Do not use this device in damp, wet or rainy conditions.

TABLE OF CONTENTS

1 INTRODUCTION	6
SoMo 650 VERSIONS	6
SYSTEM REQUIREMENTS	6
PACKAGE CONTENTS	7
ADDITIONAL ACCESSORIES	7
PRODUCT REGISTRATION	7
SOCKETCARE™ SERVICE PROGRAM	8
HARDWARE FEATURES	9
ABOUT THE SOCKET MOBILE SOFTWARE	12
2 GETTING STARTED	13
STEP 1: INSTALL THE BATTERY	13
STEP 2: CHARGE THE BATTERY	14
STEP 3: SET UP YOUR SoMo 650	14
STEP 4: INSTALL ACTIVE SYNC ON YOUR DESKTOP/ LAPTOP PC	15
STEP 5: CONNECT THE SoMo TO THE COMPUTER	16
STEP 6: SET UP YOUR ACTIVE SYNC PARTNERSHIP	17
3 CONTROLLING THE SOMO 650	18
BUTTONS	18
HOLD SWITCH	18
STYLUS	19
ADDING A KEYBOARD/MOUSE	19
START MENU	19
ONLINE HELP	19
RADIO MANAGER	20
4 WI-FI COMPANION	22
TURNING ON THE WI-FI RADIO	23
MAIN SCREEN OF WI-FI COMPANION	25
WI-FI STATUS ICON	25
WI-FI FINDER	26
FINDING AND CONNECTING TO A WLAN	27
5 SOCKETSCAN AND CONNECT!AGENT FOR CORDLESS BAR CODE SCANNERS	30
SOCKETSCAN ICONS	31
STEP 1: PREPARE THE SCANNING HARDWARE	32
STEP 2: ENABLE CORDLESS SCANNING	32
STEP 3: CONNECT SCANNER TO SoMo	33
STEP 4: START APPLICATION	34
STEP 5: SCAN BAR CODES	35

6 SOCKETSCAN FOR PLUG-IN SCANNERS AND READERS	36
STEP 1: ASSIGN A TRIGGER BUTTON	37
STEP 2: START SOCKETSCAN	37
STEP 3: INSERT THE CARD	38
STEP 4: START APPLICATION	39
STEP 5: SCAN OR READ DATA	40
APPENDICES	
A SPECIFICATIONS	42
B RESETTING THE SOMO 650	44
C UPGRADING THE FIRMWARE	47
D TECHNICAL SUPPORT	48
LIMITED WARRANTY	49
DISCLAIMER	50
REGULATORY COMPLIANCE	52

1 | INTRODUCTION

The SoMo 650 makes small- to mid-sized deployments possible and affordable for a wide range of mobile business applications, including sales force automation, inventory management, patient care, merchandising, asset management, mobile POS and hospitality. This durable, customizable handheld computer has premium features including true business-class *Bluetooth*[®] and *Wi-Fi*[®] technology to keep you connected wherever you go.



Pre-loaded with Socket Mobile device drivers and software utilities, the SoMo 650 can be deployed out of the box with a wide range of Socket Mobile data collection, network access or device connection peripherals to create a custom solution that meets your specific business requirements.

SoMo 650 VERSIONS

The SoMo 650 is available in these versions.

- The SoMo 650-E includes basic accessories (see list on next page)
- The SoMo 650-M includes basic accessories and a charging cradle

Radio-free versions of the SoMo 650-E and 650-M are also available.

SYSTEM REQUIREMENTS

Before you start using your new SoMo 650, you should have a host desktop/laptop computer ready for synchronization.

- If your host computer is running Windows Vista, it is ready to synchronize with the SoMo 650.
- If your host computer is running Windows 2000/XP, Microsoft[®] ActiveSync[®] software version 4.2 or greater is required. Socket Mobile recommends version 4.5, which you can download using the link provided in the Getting Started CD.

In order to install ActiveSync, your Windows 2000/XP computer must meet the following minimum requirements:

- Intel[®] Pentium[®] processor (minimum 233 MHz)
- 64 MB RAM
- 120 MB disk space
- CD-ROM drive

- USB port
- SVGA (or compatible) graphics card supporting 256 colors
- Microsoft® Internet Explorer 6.0

PACKAGE CONTENTS

The SoMo 650 package includes these items:

- SoMo 650
- Battery
- Stylus
- USB synchronization cable
- AC adapter
- Carrying case (version 650-M only)
- Cradle (version 650-M only)
- Getting Started CD
- Quick Start Guide

ADDITIONAL ACCESSORIES

A variety of other accessories can be purchased separately online, as well as replacements for items that come in our standard SoMo packages. For more information, please visit: www.socketmobile.com/products/accessories/

- Portable Power Pack
- Extended Li-ion battery, 2600 mAh
- Audio headset with barrel adapter
- USB synchronization cable
- Y cable – USB sync/USB host/power
- Screen protector kit
- DC power adapter (for use in vehicles)

PRODUCT REGISTRATION

Socket highly recommends that all customers register their Socket products. Registered users receive the following benefits:

- Access to technical support
- Special offers for future products and upgrades
- The latest new product information.

Register online at: www.socketmobile.com/support/support/new

SOCKETCARE™ SERVICE PROGRAM

SocketCare is an enhanced service program available for the SoMo 650 for an additional cost. It provides the following benefits (benefits vary with program level):

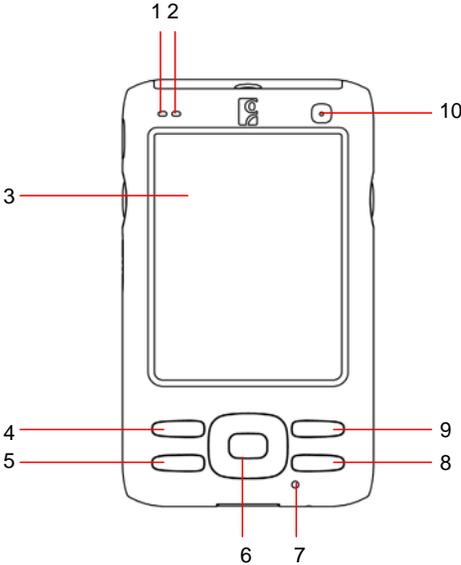
- Faster turnaround for product repair or replacement
- Faster response for technical support inquiries
- Accidental damage coverage
- Exclusive toll-free phone access to technical support

Standard SocketCare must be purchased within 90 days of your SoMo purchase, and premium SocketCare must be purchased at the same time as your SoMo purchase. For more information, please visit:

www.socketmobile.com/support.

HARDWARE FEATURES

Front

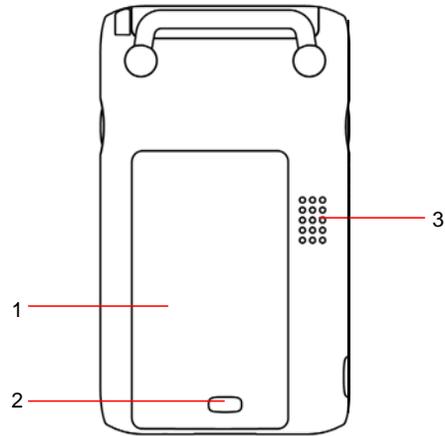


- 1. Wireless Status LED (Blue/Green) – indicates Bluetooth®, Wi-Fi®
- 2. Battery Status/Alarm LED (Red/Green)
- 3. 3.5" TFT LCD touch screen
- 4. Calendar shortcut button
- 5. Messaging shortcut button
- 6. 5-way navigation button
- 7. Microphone
- 8. Today shortcut button
- 9. Contacts shortcut button
- 10. Power button

Status Indicator LED

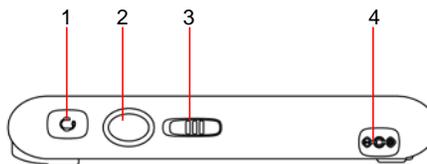
LED	LED Behavior	Meaning
Wireless Status LED	Flashing blue	Bluetooth radio is on
	Flashing green	Wi-Fi radio is on
	Flashing blue and green	Bluetooth and Wi-Fi radios are on
Battery Status/Alarm LED	Flashing red	Alarm/Notification, including Low Battery Notification
	OFF	Running on battery power
	Solid red light when connected to charger	Charging
	Solid green light when connected to charger	Fully charged

Back



1. Battery cover
2. Battery cover release
3. Speaker

Left



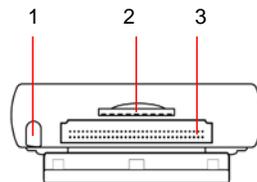
1. Hands-free (headset/microphone) connector (lift rubber cover to access)
2. Left programmable application button (launches Voice Notes by default)
3. Hold switch
4. DC-in connector (lift rubber cover to access)

Right



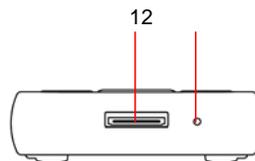
1. Right programmable application button (launches Radio Manager by default)

Top (with card slot cover open)



1. Stylus holder and stylus
2. SD (Secure Digital)/SDIO/MMC (MultiMedia Card) slot (lift rubber cover to access)
3. CF (CompactFlash) slot (lift rubber cover to access)

Bottom



1. USB synchronization/host cable connector
2. Soft reset button

ABOUT THE SOCKET MOBILE SOFTWARE

The Socket Mobile software listed below comes pre-loaded on the SoMo 650, along with any related device drivers. Except for Wi-Fi Companion, they all are designed for use with a Socket Mobile peripheral product, which must be purchased separately.

SocketScan™ enters bar code, RFID or magnetic stripe data directly from any Socket Mobile data collection peripheral into any open Windows program on the SoMo. It works with both plug-in and cordless data collection products from Socket Mobile.



Connect!Agent™ simplifies *Bluetooth* by automatically setting up and managing the wireless connection between the SoMo 650 and a Socket Mobile cordless bar code scanner, serial adapter or modem.

Wi-Fi Companion™ provides a rich graphical interface that makes it easy to monitor, set up and troubleshoot your Wi-Fi connection.

Modem Utilities enable you to configure your Socket Mobile modem for any country and adjust settings such as V.92 features like Modem-on-Hold.

Ethernet Utilities feature an auto-launch setting to help you save time when you connect your SoMo to a LAN network.

Serial Utilities report the COM port assigned to your Socket Mobile Serial I/O Card. If you have a high-speed Serial I/O Card, the software also enables you to communicate serial data at high speeds.

For software updates, please visit:

www.socketmobile.com/support/downloads/

Note: This User's Guide does not cover how to use the Modem, Ethernet or Serial Utilities. For instructions, please refer to the manuals that came with your Socket Mobile peripherals.

2 | GETTING STARTED

STEP 1: INSTALL THE BATTERY

1. Remove the battery cover of the SoMo 650. Press the release button on the bottom of the battery cover and use the thumb of your opposite hand to slide the battery cover off the SoMo.



2. Place the included battery into the battery compartment, so that the battery's bar code label is face up, near the bottom of the device.



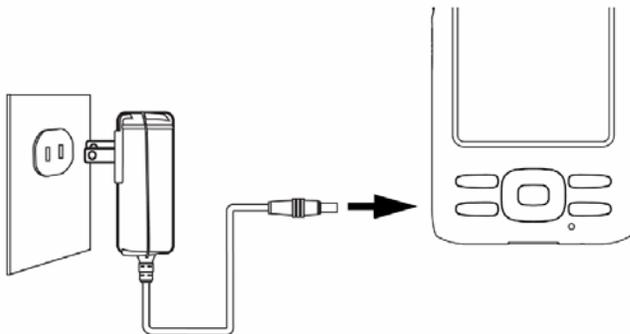
3. Replace the cover.

 **NOTE:** After changing the battery, please make sure you fasten the battery cover.

 **CAUTION:** RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF BATTERIES ACCORDING TO YOUR LOCAL REGULATIONS FOR BATTERY DISPOSAL.

STEP 2: CHARGE THE BATTERY

1. Connect the AC adapter to the DC-in connector on the left side of the device, as shown below. Alternatively, you can use the desktop cradle, if included with your version of the SoMo 650.



2. Plug the AC adapter into a suitable wall socket.

- ✎ **NOTE:** *The SoMo 650 should be charged for 4 hours before first use. Afterwards, charge the device as needed according to its battery level.*
- ✎ **NOTE:** *While charging, the power LED will be red. When charging is complete, it will change to green.*
- ✎ **NOTE:** *The charging cradle included with the SoMo 650-M provides a compartment for charging an extra battery. You can charge an extra battery and the SoMo 650 simultaneously in the cradle.*

STEP 3: SET UP YOUR SoMo 650

- ✎ **NOTE:** *Make sure your SoMo 650 is fully charged before proceeding.*

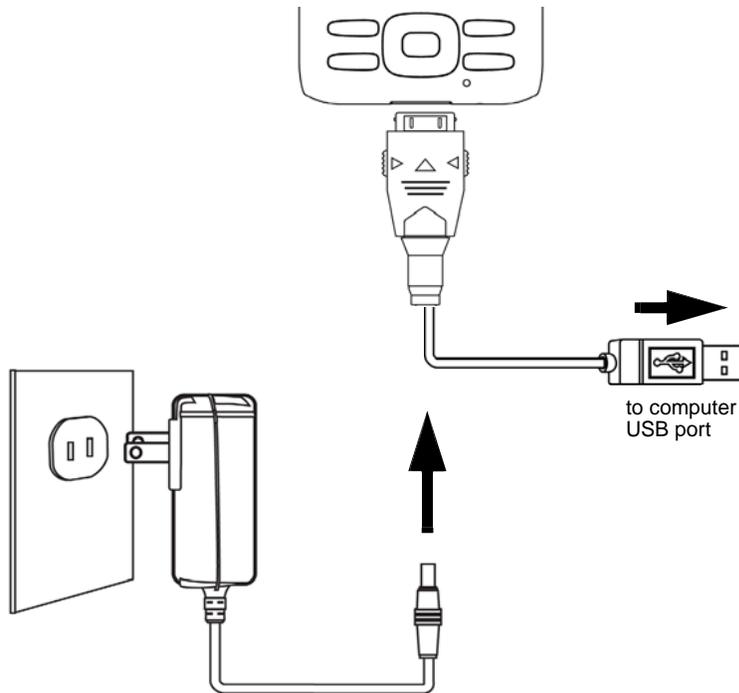
1. Slide the hold switch on the left side of your SoMo 650 up to the unlocked position.
2. Turn on your SoMo 650 by pressing the small power button on the front (top right-hand corner).
3. Follow the onscreen instructions to set up your SoMo 650.

STEP 4: INSTALL ACTIVESYNC ON YOUR DESKTOP/ LAPTOP PC

-  **NOTE:** *This step is not required if your computer is running Windows Vista.*
 -  **NOTE:** *Do not connect your SoMo 650 to your desktop/laptop computer until ActiveSync has been installed.*
 -  **NOTE:** *ActiveSync 4.0 or greater is required.*
1. Close any programs running on your computer.
 2. Insert the SoMo 650 Companion CD into the computer's CD-ROM drive. The CD's welcome page will appear.
 3. Click the animated forward icon to proceed to the next screen.
 4. Follow the instructions to install Microsoft ActiveSync.
 5. After installation, the ActiveSync icon will appear on your computer's system tray (usually on the lower right-hand corner of the screen). 
-  **NOTE:** *Refer to the ActiveSync online Help for information on how to use the software. If at any time, you would like to restart this setup program, simply re-insert the CD into the CD-ROM drive.*

STEP 5: CONNECT THE SoMo TO THE COMPUTER

Plug the USB synchronization cable into the connector on the bottom of your SoMo 650. Plug the other end of the USB synchronization cable into a suitable USB port on your computer (it is recommended that you also connect the AC adapter).



 **NOTE:** You can also charge your SoMo 650 in its cradle, if included with your version of the device. The cradle has a connector for the USB synchronization cable and DC-in at the back, as well as two USB ports, which can be used for USB devices such as a keyboard or mouse.

STEP 6: SET UP YOUR ACTIVESYNC PARTNERSHIP

 **NOTE:** For computers running Windows Vista, the Windows Mobile Device Center will appear instead.

1. When you connect your SoMo 650 to your computer for the first time, the New Partnership wizard will automatically appear on your computer screen.



 **NOTE:** If the wizard does not automatically appear, open ActiveSync manually by clicking the Windows Start menu > All Programs > Microsoft ActiveSync.

2. Follow the setup wizard to set up the partnership. Once completed, the first synchronization will start automatically.
3. After the synchronization is complete, you will see that the Calendar, Contacts and Tasks on your SoMo 650 have been updated.

The next time you wish to use ActiveSync, you just need to plug your SoMo 650 into your computer. ActiveSync will then open automatically and update your device.

3 | CONTROLLING THE SoMo 650

This chapter explains how to control your SoMo 650 using buttons, the hold switch, stylus, Start menu, online Help, and the Radio Manager.

BUTTONS

Your SoMo 650 has several buttons, as follows:

- Power button
- Left programmable application button (defaulted to Voice Notes default)
- Right programmable application button (defaulted to Radio Manager)
- Calendar shortcut button
- Contacts shortcut button
- 5-way navigation button
- Messaging shortcut button
- Today shortcut button

For more information on the position of these buttons, please refer to the diagrams in Chapter 1, “Introduction.”

HOLD SWITCH

The hold switch located on the left side can be used to put the SoMo 650 in rest mode, so any applications or wireless connections running on your device will remain active, but the buttons and screen will be disabled in order to prevent accidental input. To put your device on hold, move the switch in the down position.

 **NOTE: The hold switch is not related to the software lock function accessible from the Today screen.**

STYLUS

You can use the stylus in three ways.

- **Tap an item:** Use to select an option, similar to left-clicking a computer mouse.
- **Tap and hold an item:** Reveals a submenu, if available. Similar to right-clicking a computer mouse.
- **Drag:** Hold the stylus against the screen and drag to highlight multiple items, or to move the position of an item. Similar to left-clicking and dragging a computer mouse.

ADDING A KEYBOARD/MOUSE

If you are using the SoMo 650-M, you can enter information by docking the SoMo in the cradle and using the cradle's two USB ports to connect a keyboard and/or mouse.

START MENU

From the Start menu, you can access programs, settings and Help topics.

The Start menu can be accessed by tapping .

ONLINE HELP

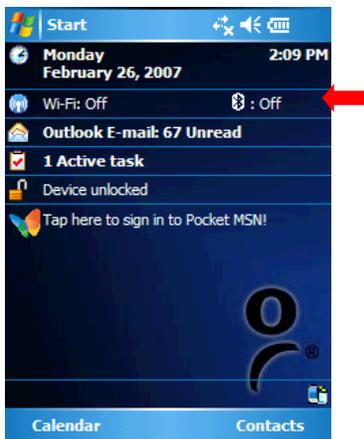
Your SoMo 650 contains online help files. These can be accessed in two main ways:

1. Press  > **Help** > **Contents** for a list of Help topics.
2. To access Help for any particular application, open the application and then tap  > **Help**.

RADIO MANAGER

The Radio Manager enables you to enable/disable *Bluetooth* and Wi-Fi.

1. Open the Radio Manager. Press the button on the right side of the SoMo 650. Alternatively, tap the Wi-Fi and *Bluetooth* status line in the Today screen.



2. In the Radio Manager, an “x” appears on the *Bluetooth* or Wi-Fi button to indicate that the radio is off. Tap on the button to turn on the radio. The “x” will disappear.



 **NOTE: Wi-Fi Companion software launches after Wi-Fi is turned on.**

 **NOTE:** *If you enable flight mode, Bluetooth and Wi-Fi will turn off. When you disable flight mode, the wireless radios that were previously running will turn on again.*

4 | WI-FI COMPANION

Wi-Fi Companion is a powerful and easy-to-use utility for managing Wi-Fi connections from your SoMo 650 mobile computer. Intuitive graphics display connection properties at a glance. Tap on icons to quickly perform a variety of networking tasks. For advanced users, the software also offers advanced diagnostic tools and connection statistics.

Wi-Fi Companion comes pre-loaded on the SoMo 650, providing you the best user experience with the mobile computer's built-in Wi-Fi radio.



ADDITIONAL DOCUMENTATION

This chapter covers basic instructions for using Wi-Fi Companion on the SoMo 650. For detailed instructions, please refer to the *User's Guide* available in the CD and online at:

www.socketmobile.com/support/downloads/wi-fi/wi-fi-companion/

USEFUL LINKS

Download software updates from:

www.socketmobile.com/support/downloads/wi-fi/wi-fi-companion/.

To check which version of Wi-Fi Companion is installed in your SoMo, in the main screen of Wi-Fi Companion, tap **About**.

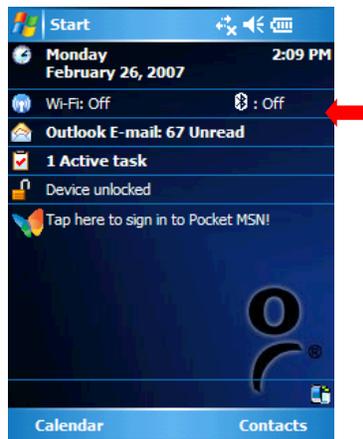
For information about Enhanced Wi-Fi Companion (e-WFC), which offers advanced business security and is Cisco Compatible Extensions (CCX) 4.0 certified, please visit:

www.socketmobile.com/products/software/enhanced-wi-fi-companion/

TURNING ON THE WI-FI RADIO

Wi-Fi Companion automatically launches after you turn on the Wi-Fi radio.

1. Open the Radio Manager. Press the button on the right side of the SoMo 650. Alternatively, you can tap on the *Wi-Fi* and *Bluetooth* status line in the Today screen.



2. In the Radio Manager, an “x” will appear on the Wi-Fi button to indicate that the Wi-Fi radio is off. Tap on the button to turn on the radio. The “x” will disappear.



- The Wi-Fi status icon will appear at the top of the screen. The icon varies based on your connection status. Tap on the icon to view the main screen of Wi-Fi Companion. To view the different versions of the icon, please refer to the chart on the next page.



-  **NOTE:** *If you tap Enable Flight Mode, the Bluetooth and Wi-Fi radios. Radio Manager will remember which wireless radio(s) were running, so when you later tap Disable Flight Mode, the same one(s) will turn on again.*

MAIN SCREEN OF WI-FI COMPANION

The screen content varies depending on your connection status.

The screenshot shows the main interface of the Wi-Fi Companion utility. At the top, there's a status bar with the title 'Wi-Fi Companion' and system icons. The main area displays two connection profiles:

- Pocket_PC:** Shows device name, DHCP IP (216.31.250.160), and packet statistics (43 sent, 1020 received).
- socketcomm:** Shows SSID, duration (00:06:22), signal quality (Good), and MAC address (00:a0:f8:39:be:eb).

Additional features include a 'WEP enabled' indicator with a key icon, a data rate of '11 Mbps', and a signal strength indicator at '43%'. A bottom navigation bar contains 'Tools', 'Statistics', and 'About'.

Annotations:

- Wi-Fi status icon:** Tap to access this screen from outside the utility.
- Your device properties:**
 - Device name
 - IP address
 - Packets sent and received
- The icon always appears regardless of connection status.** Tap to view more IP addresses or access the Radio Manager.
- Valid IP address:** Tap to access email, the Internet, ping or trace route.
- Data rate:** Tap to view signal strength and data rate distribution.
- Encryption status:** Tap to access a certificate management utility for WPA or 802.1x if needed.
- Access point/remote device properties:**
 - SSID (network name)
 - Connection duration
 - Signal quality rating and percentage
 - MAC address (also known as BSSID)
 - Channel number (in black circle)
- Tap for Wi-Fi Finder.**

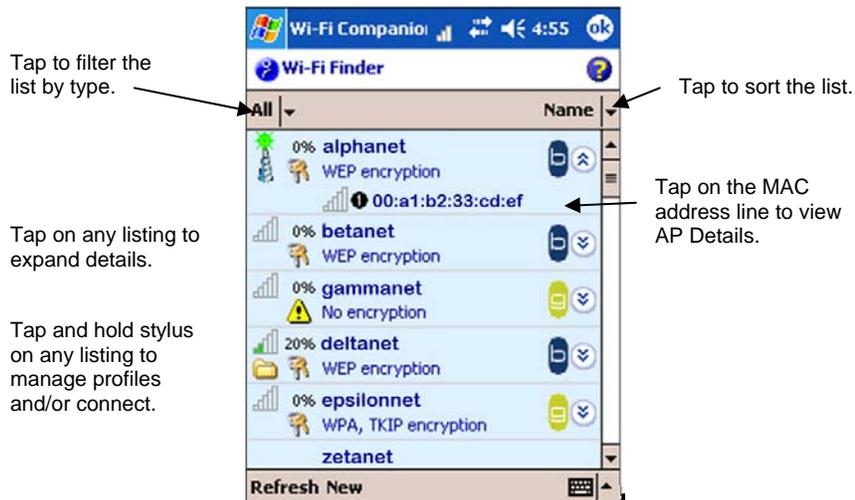
WI-FI STATUS ICON

The icon appears at the top of every screen when Wi-Fi Companion is running.

	Associated or Connected. Number of bars indicates signal strength.
	Networks available.
	Searching for networks.
	Networks out of range but configured.

Wi-Fi FINDER

The Wi-Fi Finder displays a list of WLAN networks found in range. To access the Wi-Fi Finder, tap on the large tower icon in the bottom right corner of the main screen of Wi-Fi Companion.



Wi-Fi FINDER ICONS

	Current connection
	Signal strength of strongest AP (access point)/ad hoc radio
	WEP encryption, WPA (PSK), WPA (TKIP), WPA2 or 802.1x
	No encryption
	Channel number
	Profile saved
	802.11b, 802.11g

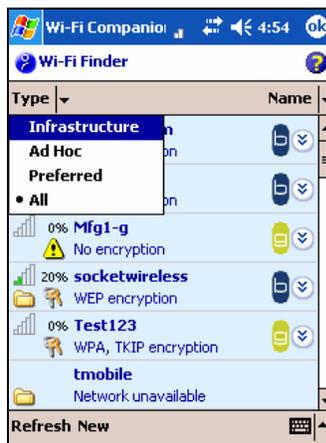
FINDING AND CONNECTING TO A WLAN

Ask your network administrator for the necessary security settings for your WLAN. If the WLAN uses 802.1x, WPA or WPA2, you need to install authentication certificate(s) before you can connect. Refer to the *Wi-Fi Companion User's Guide* for instructions on the Socket Mobile certificate utility.

1. In the main screen of Wi-Fi Companion, tap on the tower icon, or tap Tools | Wi-Fi Finder.



2. Wi-Fi Finder will appear, listing WLANs detected in range. Tap on any WLAN in the list to view additional properties.

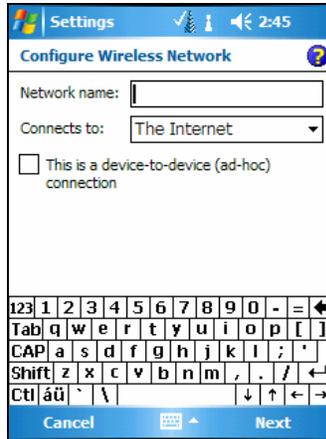


If desired, tap on the **Type** or **Sort by** drop-down menus to change how the list is displayed.

If your WLAN is not listed, tap **Refresh** at the bottom of the screen.

3. If Wi-Fi Finder cannot find your WLAN because its SSID (network name) is hidden, tap **New** at the bottom of the screen.

A wizard will launch to help you create a profile for your network. Complete the wizard, entering the security settings obtained from your network administrator.



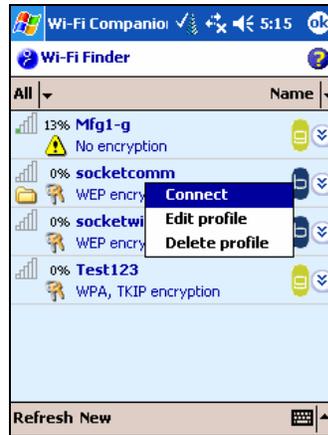
4. If your WLAN does not have a profile (i.e., no folder icon is shown next to it), tap and hold your stylus on the WLAN in the list. In the pop-up menu, tap **Get Connected**.



A wizard will launch to help you create a profile for the selected SSID. Complete the wizard, entering the security settings obtained from your network administrator.

5. After a profile is saved, if the WLAN is in range, the SoMo will automatically try to connect to it.

To connect to another network in the list, tap and hold your stylus on the WLAN. In the pop-up menu, tap **Connect**.



5 | SOCKETSCAN AND CONNECT!AGENT FOR CORDLESS BAR CODE SCANNERS

SocketScan software sends data from your Socket Mobile Cordless Hand Scanner Series 7 or Cordless Ring Scanner Series 9 into any application running on the SoMo 650. This lets you use Socket Mobile data collection peripherals without having to program custom applications. The software comes pre-loaded on the SoMo 650.

Connect!Agent software makes *Bluetooth* easy to use by automatically setting up and managing the connection between your CHS or CRS and the SoMo 650.



ADDITIONAL DOCUMENTATION

This chapter covers basic instructions for using SocketScan and Connect!Agent on the SoMo 650 with a Socket Mobile cordless bar code scanner. For detailed instructions, please refer to the *User's Guide* available in the CD and online at:

www.socketmobile.com/support/downloads/datacollection/

USEFUL LINKS

Download software updates from:

www.socketmobile.com/support/downloads/datacollection/.

To check which version of SocketScan or Connect!Agent is installed in your SoMo, in the main screen of Wi-Fi Companion, tap **About**.

SocketScan Icons

The icon indicates whether SocketScan is connected to your Socket Mobile cordless bar code scanner and is ready to read data. The icon appears at the bottom of the Today screen.

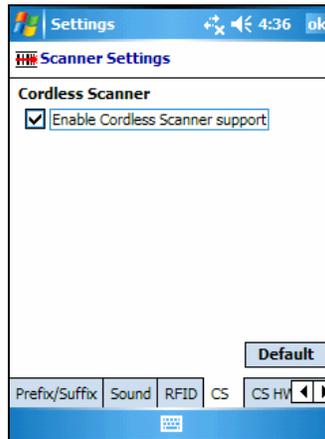
Icon	Meaning
	No Socket Mobile data collection device detected.
	Ready to scan bar codes with the Cordless Hand Scanner
	Ready to scan bar codes with the Cordless Ring Scanner.

STEP 1: PREPARE THE SCANNING HARDWARE

Refer to your CHS or CRS manual for hardware preparation instructions. You will need to install and charge the battery/batteries. If using the CHS, you may also want to attach the tether. If using the CRS, you will also need to assemble the straps.

STEP 2: ENABLE CORDLESS SCANNING

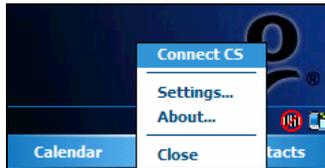
1. Tap Start | Settings | System tab | Socket Scanner Settings.
2. Tap on the CS tab at the bottom of the screen. Check Enable Cordless Scanner support.



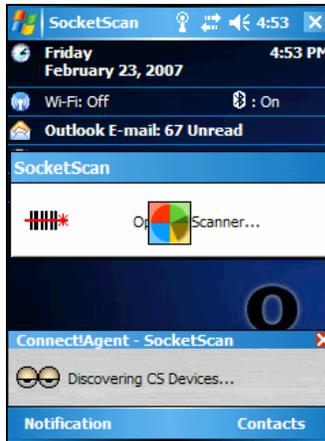
3. Tap ok to save your changes.

STEP 3: CONNECT SCANNER TO SoMo

1. If using the CRS, put on the scanner. Refer to the CRS manual for instructions.
2. Turn on your bar code scanner. Refer to your scanner manual for instructions.
3. Tap Start | Programs | SocketScan folder | SocketScan. SocketScan will launch, running in the background. 
4. Tap ok to exit the folder. Tap x to exit Programs.
5. The SocketScan icon  will appear at the bottom of the Today screen. Tap on the icon. In the pop-up menu, tap Connect CS.



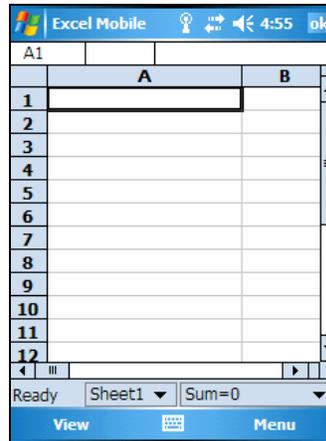
6. Connect!Agent will begin searching for the scanner.



7. After Connect!Agent finds the scanner, it will automatically connect, indicated by a beep. The SocketScan icon at the bottom of the Today screen will also change to indicate the connection.

STEP 4: START APPLICATION

1. Start the application that you want to enter data into (e.g., Excel Mobile). From the Today screen, tap Start | Programs and select your program.
2. Make sure a document, spreadsheet or form is open in your program.



3. Place the cursor where you want data from the next scan to be entered.

STEP 5: SCAN BAR CODES

1. Press the trigger button to scan a bar code. Please refer to your scanner manual for the correct technique.



2. When data is read, it should appear in your document.

A screenshot of the Excel Mobile application interface. The top status bar shows "Excel Mobile" and the time "4:55". Below the status bar is a spreadsheet grid. The active cell is A2, and it contains the scanned bar code "12333024646". The spreadsheet has columns labeled "A" and "B", and rows numbered 1 through 12. The bottom of the screen shows a navigation bar with "View" and "Menu" buttons.

	A	B
1	12333024646	
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

Depending on which scanner you have, it may also beep, or the LED may change colors to indicate a successful scan.

By default, the cursor automatically advances to the next cell or line, ready for the next scan/read.

 **NOTE:** Wait for the “Good Scan” indication before you scan more data. If you try to scan too fast, the device can lock up until you stop scanning.

 **NOTE:** If the data does not appear how you expect it and you are using Excel Mobile, check the cell formatting.

6 | SOCKETSCAN FOR PLUG-IN SCANNERS AND READERS

SocketScan software sends data from your Socket Mobile bar code scanner, RFID reader or magnetic stripe reader into any application running on the SoMo 650. This lets you use Socket Mobile data collection peripherals without having to program custom applications. The software comes pre-loaded on the SoMo 650.



This chapter contains generic instructions for using SocketScan on the SoMo 650 with these products:

- Secure Digital Scan Card Series 3
- CF Mag Stripe Reader Card Series 4
- CompactFlash Scan Card Series 5
- CF RFID Reader Card Series 6.

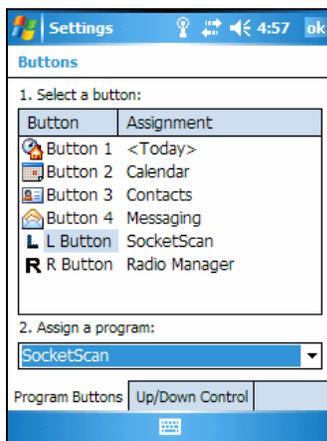
For specific instructions, please refer to the *User's Guide* for your specific Socket Mobile data collection product, available in the installation CD that came with the data collection product as well as online at:

www.socketmobile.com/support/downloads/datacollection

STEP 1: ASSIGN A TRIGGER BUTTON

-  **NOTE:** This step is **NOT** required for the CF Mag Stripe Reader Card 4E.
-  **NOTE:** For the CF RFID Reader-Scan Card 6M/6P, multiple trigger buttons need to be assigned. Please refer to your RFID card manual for instructions.

1. Tap Start | Settings | Buttons.
2. From the Button list, tap to select a button to trigger your scanner. For best ergonomics, the left or right button is recommended. In the drop-down menu, select SocketScan. Tap ok.



STEP 2: START SOCKETSCAN

1. Tap Start | Programs | SocketScan folder | SocketScan.



2. A SocketScan icon  should appear at the bottom of the Today screen indicating that no data collection device has been inserted.

STEP 3: INSERT THE CARD

1. Open the slot cover at the top of the SoMo 650, then insert the card into the appropriate slot. Make sure the card is right side up. Do not insert the card upside-down or force the card in too hard.



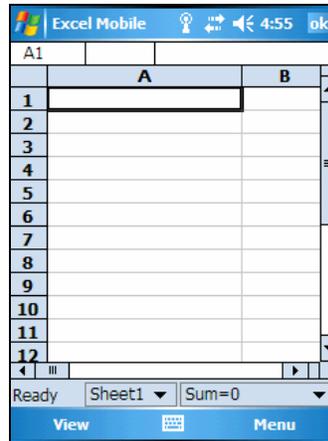
2. When SocketScan is running, a SocketScan icon will appear at the bottom of the Today screen. Make sure the appropriate icon appears to indicate that your device is ready to collect data.

Icon	Meaning
	No Socket Mobile data collection device detected.
	Ready to scan bar codes with the Secure Digital Scan Card
	Ready to read magnetic stripe data with the CF Mag Stripe Reader Card
	Ready to scan bar codes with the CF Scan Card 5E/5M/5P or CF RFID Reader-Scan Card
	Ready to scan bar codes with the CF Scan Card 5X
	Ready to read RFID tags with the CF RFID Reader Card

 **NOTE:** If you insert the card before starting SocketScan, no icon will appear.

STEP 4: START APPLICATION

1. Start the application that you want to enter data into (e.g., Excel Mobile). From the Today screen, tap Start | Programs and select your program.
2. Make sure a document, spreadsheet or form is open in your program.



3. Place the cursor where you want data from the next scan/read to be entered.

STEP 5: SCAN OR READ DATA

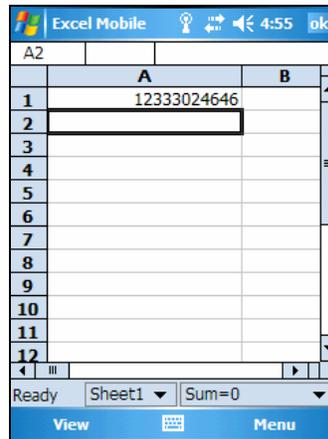
1. Scanning/RFID: Press the trigger button to scan a bar code or read an RFID tag. Please refer to your scanner manual for the correct technique.



Mag Stripe: Swipe a magnetic stripe card through the slot, with the magnetic stripe face down.



2. When data is read, it should appear in your document.



Depending on which scanner/reader you have, it may also beep, or the LED may change colors to indicate a successful scan.

By default, the cursor automatically advances to the next cell or line, ready for the next scan/read.

 **NOTE:** Wait for the “Good Scan” indication before you scan more data. If you try to scan too fast, the device can lock up until you stop scanning.

 **NOTE:** If the data does not appear how you expect it and you are using Excel Mobile, check the cell formatting.

APPENDIX A

SPECIFICATIONS

Processor	Intel PXA270@624MHz CPU
Memory	SDRAM: 128MB NAND Flash: 256MB
Display	65K colors TFT LCD, 3.5" 16 bit-per-pixel 240 (w) x 320 (L) resolution (QVGA size) portrait and landscape modes, default portrait mode. Glass analog resistive touch panel White LED backlight
Audio	Headset Jack: 2.5mm, 4-ring type, support for both Voice & Stereo music Mono 0.5W speaker Omni-directional
Connectors	SoMo 650 DC-in (5V, 1A) USB synchronization/host cable connector Cradle Docking connector DC-in (5V, 3A) USB synchronization cable connector USB connector x 2 (Type A)
Connectivity	<i>Bluetooth</i> : v2.0 + EDR Class 2 IEEE® 802.11b/g
Mass Storage & Expansion Slots	User accessible SD/SDIO/MMC expansion slot CF I/O Type II expansion slot
USB	USB 1.1 support host/client (x2) (Cradle only)
Battery	Standard 1200 mAh, rechargeable, Lithium-ion battery pack.
Dimensions	Height 127.6 mm Width 74.5 mm Depth 18.5 mm Weight 179 g (including standard battery and stylus)
Operating Temperature	0° to 40° C (32° to 120° F)
Storage Temperature	-25° to 75° C (-13° to 167° F)
Humidity	95% non-condensing

Drop Specification	Multiple 1 meter drops to concrete covered with vinyl
ESD Specification	+/- 8kV air discharge, +/- 8kV direct discharge
Operating System	Microsoft® Windows Mobile® 5.0 Premium Edition
Pre-Loaded Software	Programmable Home Screen Calculator MSN Messenger Client Word Mobile Excel Mobile PowerPoint Mobile IE Mobile Outlook Mobile .NET Compact Framework v2.0 Windows Media Player 10.2 Mobile ActiveSync Client v4.x Socket Mobile Wi-Fi Companion™ Socket Mobile SocketScan™ Socket Mobile Connect!Agent™ Socket Mobile Modem Utilities Socket Mobile Ethernet Utilities Socket Mobile Serial I/O Utilities

APPENDIX B

RESETTING THE SoMo 650

Soft Reset

A soft reset is like rebooting a computer. No files are deleted.

To perform a soft reset:

Using the tip of your stylus, lightly press the Reset button inside the hole on the bottom of your SoMo 650.

Clean Reset

⚠ CAUTION: A CLEAN RESET IS MORE POWERFUL THAN A SOFT RESET. IT WILL DELETE FILES AND FOLDERS AND SHOULD ONLY BE DONE IF A SOFT RESET FAILS TO SOLVE THE PROBLEM.

WHEN YOU PERFORM A CLEAN RESET, FORMATS, PREFERENCES AND OTHER SETTINGS INCLUDING DATE AND TIME ARE RESTORED TO THEIR FACTORY DEFAULTS. ALL DATA, RECORDS AND ENTRIES, EXCEPT THOSE STORED IN ROM, WILL BE ERASED.

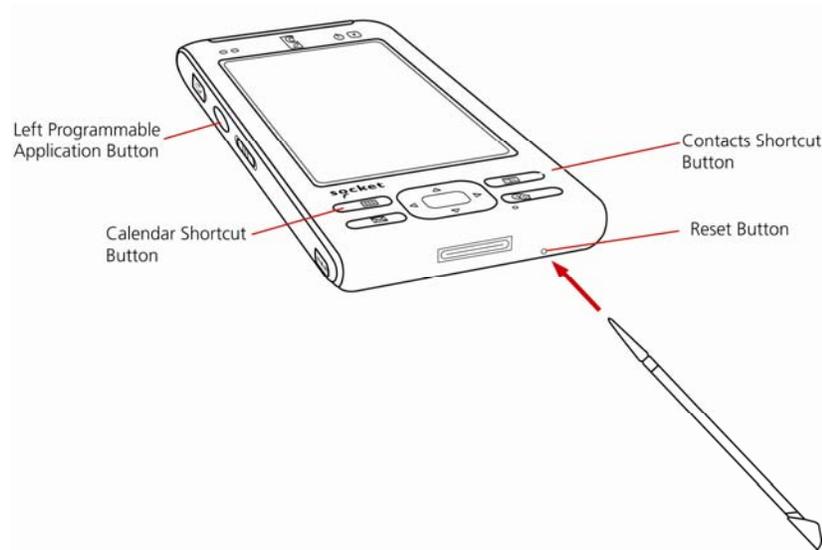
✍ NOTE: If you set a security password on the SoMo and forget the password, a clean reset will remove the password setting.

To perform a clean reset:

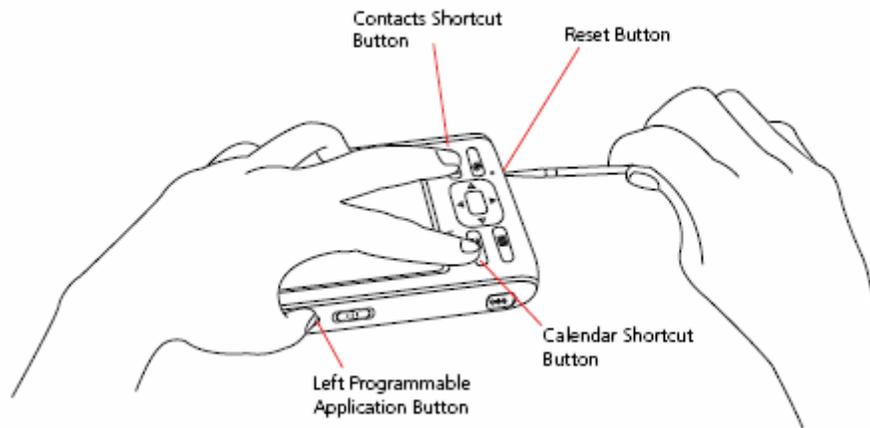
1. Press and hold the Left Programmable Application Button, the Calendar and Contacts shortcut buttons on your SoMo 650.



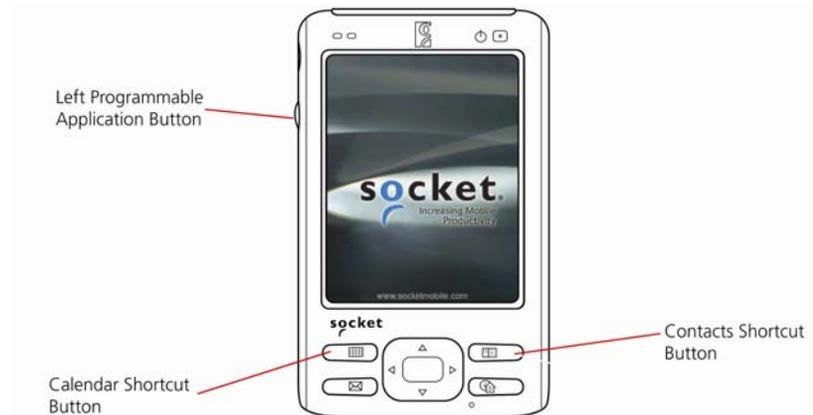
2. While holding the three buttons, using the tip of your stylus, lightly press the Reset button inside the hole on the bottom of your SoMo 650.



It is recommended that you hold the SoMo 650 in your left hand. Press the left programmable action button with your left thumb and the two shortcut buttons with your left index and middle finger. Hold the stylus in your right hand to press the reset button.



3. Continue to hold the three until a splash screen appears with the Socket logo and starts blinking.



4. After the Socket Mobile Splash Screen starts blinking, release the three buttons and follow the onscreen instructions.

APPENDIX C

UPGRADING THE FIRMWARE

ADVANCED USERS ONLY!

You can download firmware upgrades from the Socket website (www.socketmobile.com/support/downloads).

To upgrade your firmware:

1. Format a Secure Digital (SD) memory card by FAT (FAT16).
2. Save the downloaded firmware upgrade to an SD card, then insert it into your SoMo 650.
3. Turn on the SoMo 650.
4. Press and hold the right programmable application button.
5. While still pressing the right programmable application button, use the stylus to press and release the reset button on the bottom of the device.
6. Keep the the right programmable application button pressed until you see “EBOOT,” then for it to count down to zero before releasing.
7. The firmware upgrading process will begin.

 **CAUTION: DO NOT PRESS ANY BUTTONS WHILE THE UPGRADE IS IN PROGRESS.**

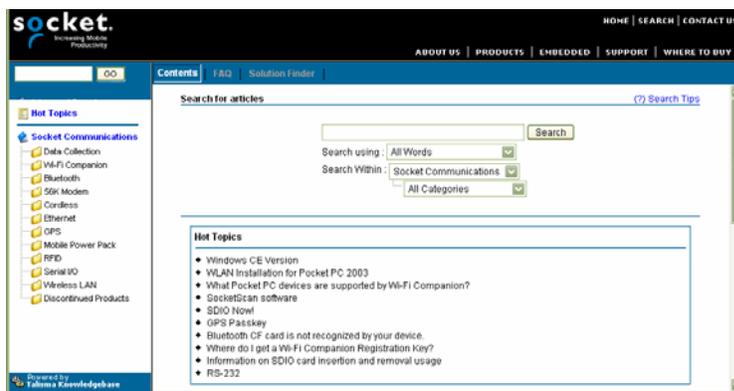
8. Once the upgrade is complete, the SoMo 650 will reboot normally.

APPENDIX D

TECHNICAL SUPPORT

Socket On-Line Support (SOS)

SOS is a virtual technical support assistant that can help you with your product support questions or FAQs. SOS responds immediately to your inquiry, and no product registration is required to use the system.



To access SOS, please visit: www.socketmobile.com/support/faq/

Technical Support

If you have trouble installing or using the Socket Cordless Ring Scanner, contact Socket's technical support department for assistance.

! IMPORTANT! TO OBTAIN TECHNICAL SUPPORT, YOU MUST FIRST REGISTER YOUR PRODUCT ONLINE AT:
www.socketmobile.com/support/support/new

- After you register your product, log in and click on the Technical Support tab.
- Click Create New Ticket to submit an online request for technical support.
- Afterwards, you can log in anytime to monitor the status of your request.
- If we are unable to resolve your support inquiry online, we can arrange for a technical support representative to call you at a specific time.

LIMITED WARRANTY

Socket Communications Incorporated (Socket) warrants this product against defects in material and workmanship, under normal use and service, for one (1) year from the date of purchase.

EXCLUDES: Consumables such as batteries, cables, cases, straps, and chargers (90 day coverage only).

An extended warranty is available separately for the SoMo. For more information, please visit: www.socketmobile.com/support

Incompatibility is not a defect covered by Socket's warranty. During the warranty period, Socket will, at its option, repair or replace the defective product at no charge when furnished with proof of retail purchase, provided that you deliver the product to Socket or to an authorized Socket Service Center.

The returned product must be accompanied by a return material authorization (RMA) number issued by Socket or by Socket's Authorized Service Center. If you ship the product, you must use the original container or equivalent and you must pay the shipping charges to Socket. Socket will pay surface shipping charges back to any location in the contiguous United States. This warranty applies only to the original retail purchaser and is not transferable.

Socket may, at its option, replace or repair the product with new or reconditioned parts and the returned product becomes Socket's property. Socket warrants the repaired or replaced products to be free from defects in material or workmanship for ninety (90) days after the return shipping date, or for the remainder of the original warranty period, whichever is greater.

This warranty does not cover the replacement of products damaged by abuse, accident, misuse or misapplication, nor as a result of service or modification other than by Socket. This warranty is void if you install batteries into the product that were not supplied by Socket.

SOCKET IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING DAMAGE TO PROPERTY AND, TO THE EXTENT PERMITTED BY LAW, DAMAGES FOR PERSONAL INJURY. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Some states do not allow limitation of implied warranties, or the exclusion or limitation of incidental or consequential damages, so that the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

This product may contain fully tested, recycled parts, warranted as if new.

For warranty information, please visit: www.socketmobile.com/support

DISCLAIMER

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LIMITED SOFTWARE WARRANTY

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REGULATORY COMPLIANCE

FCC: Part 15, Class B

CE: EN

RoHS and WEEE compliant

Electrical Safety EN60950, UL, CUL

EMI / RFI

Wi-Fi Alliance Certification

Bluetooth Certification (BQB test), *Bluetooth* QD ID B012762

USB IF Test

Microsoft Windows Mobile 5.0 Logo Test Certification

EU/International: EN301 489-1, -17

EN61000-4-2: 1995, ESD $\pm 8\text{kV}$ air/ $\pm 4\text{kV}$ contact

EN61000-4-3: 1997, radiated Immunity 3V/m

EN61000-4-4: 1995, EFT $\pm 0.5\text{kV}$

EN61000-4-5: 1995, Surge $\pm 0.5\text{kV}$

EN61000-4-6: 1

FCC Interference Statement (USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful

interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

 **IMPORTANT: RADIATION EXPOSURE STATEMENT**

THIS EQUIPMENT COMPLIES WITH FCC RADIATION EXPOSURE LIMITS SET FORTH FOR AN UNCONTROLLED ENVIRONMENT. END USERS MUST FOLLOW THE SPECIFIC OPERATING INSTRUCTIONS FOR SATISFYING RF EXPOSURE COMPLIANCE. TO MAINTAIN COMPLIANCE WITH FCC RF EXPOSURE COMPLIANCE REQUIREMENTS, PLEASE FOLLOW OPERATION INSTRUCTIONS AS DOCUMENTED IN THIS MANUAL.

This PDA has been tested and demonstrated compliance when *Bluetooth* and WLAN are transmitting simultaneously. This PDA must not be co-located or operating in conjunction with any other antenna or transmitter.

For body worn operation, this device has been tested and meets the FCC RF exposure guidelines when used with the Socket Mobile accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines."

Industry Canada Statement:

This device complies with RSS-210 of the Industry Canada 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.

 **IMPORTANT: RADIATION EXPOSURE STATEMENT**

THIS EQUIPMENT COMPLIES WITH IC RADIATION EXPOSURE LIMITS SET FORTH FOR AN UNCONTROLLED ENVIRONMENT. END USERS MUST FOLLOW THE SPECIFIC OPERATING INSTRUCTIONS FOR SATISFYING RF EXPOSURE COMPLIANCE. TO MAINTAIN COMPLIANCE WITH IC RF EXPOSURE COMPLIANCE REQUIREMENTS, PLEASE FOLLOW OPERATION INSTRUCTIONS AS DOCUMENTED IN THIS MANUAL.

European Union Notice:

Radio products with the CE marking comply with the R&TTE Directive (1999/5/EC), the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following

European Norms:

- EN 60950 Product Safety
- EN 300 328 Technical requirement for radio equipment
- EN 301 489-1/-17 General EMC requirements for radio equipment

