SERIES 7

1D LASER QUICKSTART GUIDE
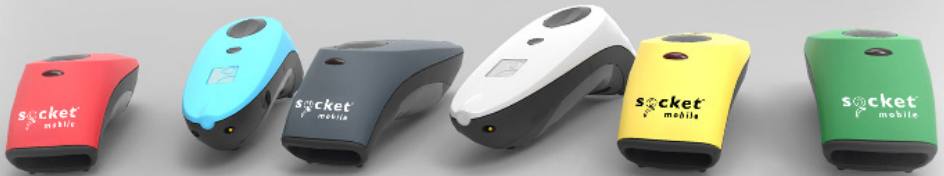
Model shown: CHS 7Mi
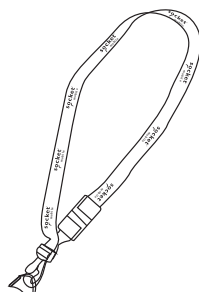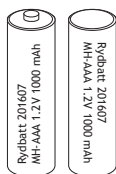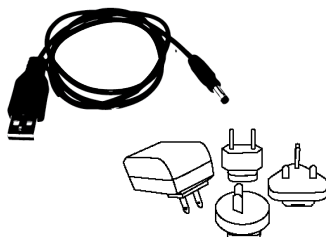
Bluetooth Barcode Scanner
CHS 7Mi/7Pi

CHS Series 7

Lanyard

NiMH
rechargeable
batteries

AC adapter* & USB
to DC plug cable
*Use the plug that is region-
ally appropriate

Thank you for choosing Socket Mobile!
Let's get started!

Blue/Green/Red LED

Trigger button

Power button*

Product label

Scanner head

DC-in connector

Battery door

Twist-lock (horizontal/unlocked)

Disc for magnet on stand charger

Twist-lock (vertical/locked)

Lanyard

Pins for charging cradle
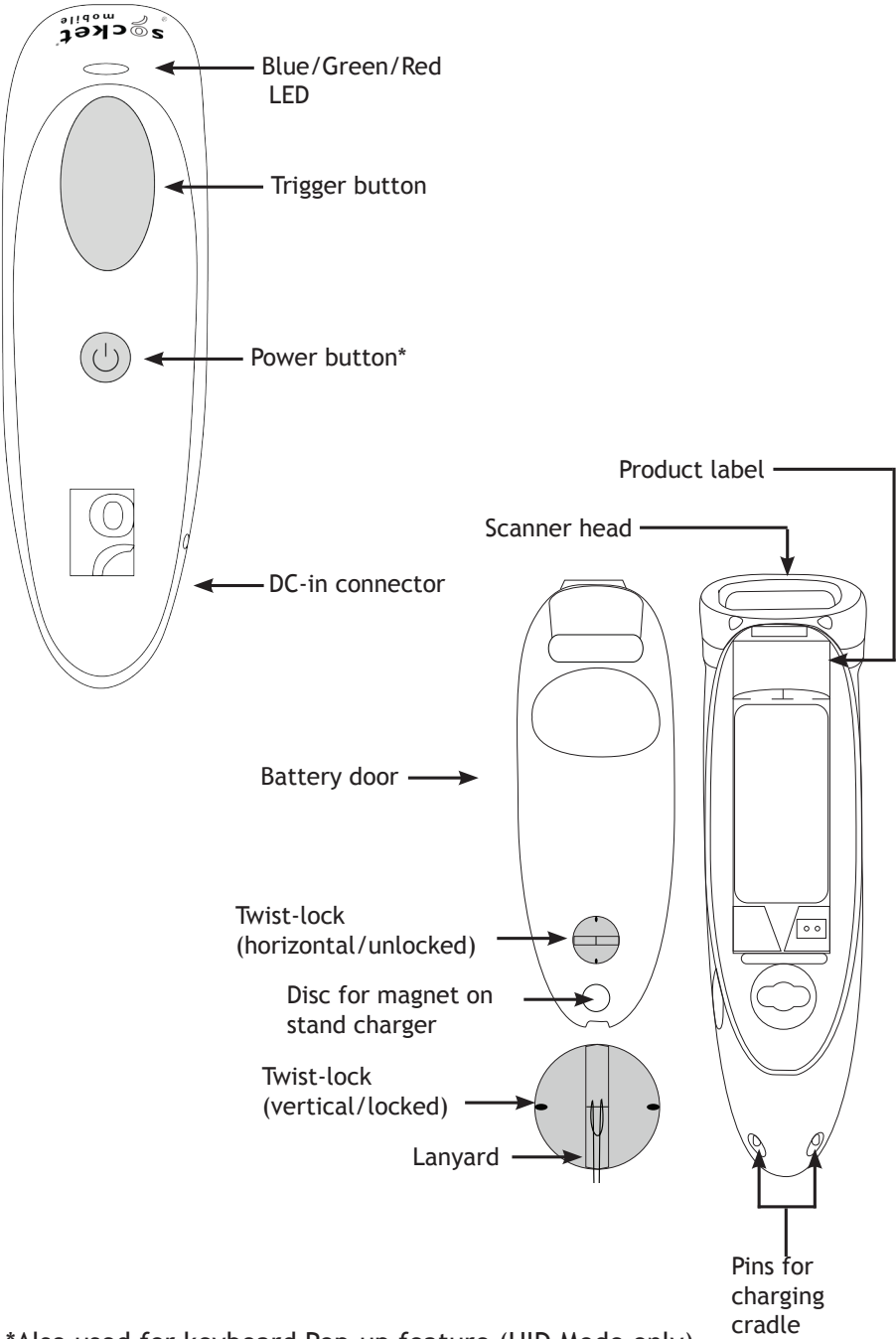
*Also used for keyboard Pop-up feature (HID Mode only)

3
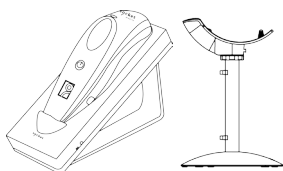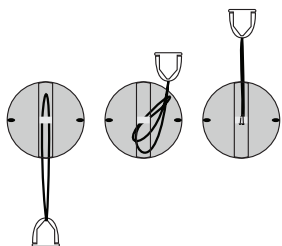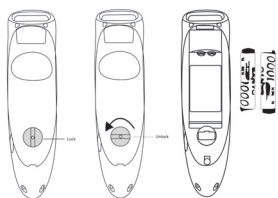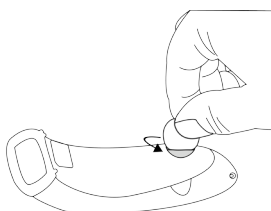
1 Insert the Batteries

Unlock the Battery door by using a thin coin to turn the lock under the CHS to a horizontal position (turn 90 degrees).

Install the batteries in their correct position as indicated by the +/- symbols.

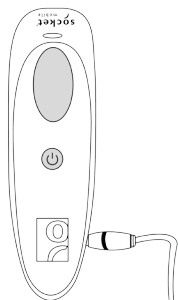⚠️ **Important: Only use NiMH Recharge-able batteries. Do NOT use Alkaline Batteries**

2 Attach the Lanyard (optional)

Detach the string loop of the tether from the lanyard. Then feed the string loop through the slot in the Twist-lock and then through the end of the loop. Pull tight so the string loop is secure to the Twist-lock, Reattach the string loop to the tether from the Lanyard.

If desired, attach the tether to a lanyard or belt.

3 Charge the CHS

The CHS must be fully charged before first use. Please allow 5 hours uninter-rupted charging for the initial battery charge.

For the 7Di or 7DiRx, lift the rubber flap to access the power connector.

- Red LED = Charging
- Green LED = Fully charged

ℹ️ Charging from a computer USB port is not reliable and not recommended.

Charging Cradles & Charging QX Stand available separately.
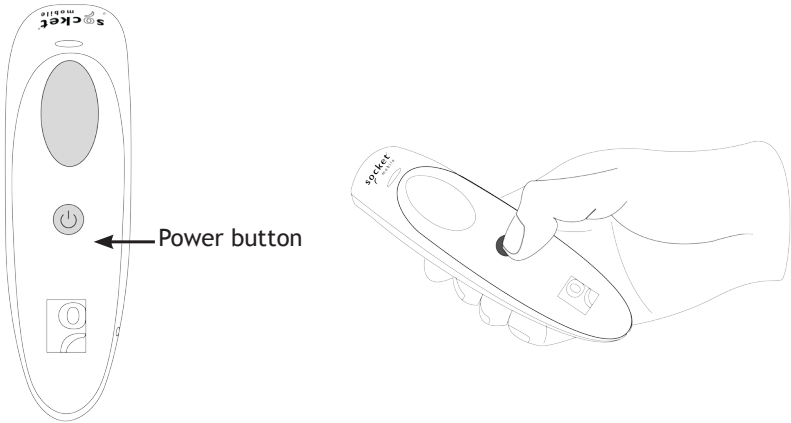
Power button

Powering On:
Press and hold down the small power button until the LED turns blue and the CHS beeps twice (low-high).

Powering Off/ Disconnecting:
Press and hold down the small power button until the CHS beeps twice (high-low).

Aim the scan beam straight across the entire barcode.
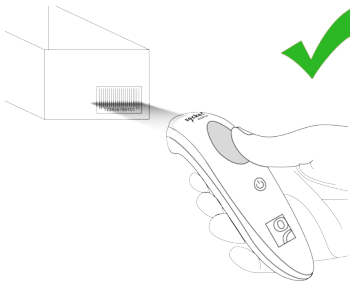
Not recommended scanning techniques

Scanning Barcodes

After connecting the CHS to your device, open an application. Place the cursor where you want to enter the scanned data.

1. Hold the CHS a few inches from the barcode.

2. Aim, press and hold the trigger button.

By default, the CHS will beep, vibrate, and the LED will flash green to confirm successful scan.

5

Connect your CHS using one of the following Bluetooth modes:

Bluetooth Connection Profiles

Bluetooth Mode	Description
HID (Default)* Human Interface Device Profile	• "NO" software installation needed. • Connects to most devices. • Good for barcodes containing small amounts of data. • Scanner appears like a keyboard.
SPP Serial Port Profile	• Software installation required. • More efficient data communications for barcodes containing lots of data.
iOS Apple Specific Serial Profile	• Must use with an App developed to work with iOS devices • Apple MFI tested and certified. • If you have an application that supports Socket Mobile Scanners this is the mode you want to use.

*By default, the CHS is set to HID Mode.

Operating System Connection Options

Operating Systems (OS)	Devices	Bluetooth HID Support	Bluetooth SPP Support	Bluetooth Apple Serial Specific (iOS Mode)
Android	Android 2.1 & later	Yes	Yes	No
Apple iOS	iPod, iTouch, iPhone, & iPad	Yes	No	Yes
Windows Mobile	Windows Mobile 6.x	Yes	Yes	No
Windows PC	Windows 7, 8	Yes	Yes	No
Mac OS	Mac OS X 10.4 to 10.X Mac Books, Mac Mini, & iMac	Yes	No	No

Note: To switch from one mode to the other you must remove the pairing information (see unpairing procedure on page 12) from both devices - host computer and the CHS.

Android: Connect Android Device in HID Mode
1. Power on the CHS. Make sure the CHS is discoverable (unpaired).
2. Touch **Home** ⌂ **| Menu** ☰ **| Settings | Wireless & Networks | Bluetooth settings**
3. Make sure the device has Bluetooth "On". Scan for devices.
4. In the list of found devices, select Socket CHS [xxxxxx]. Tap Pair.
5. The CHS will connect to the Android device.
6. The CHS will beep once after it has connected and is ready to scan bar-codes.

*Apple: Connect Apple iOS Device or Mac OS Device HID Mode
In this mode the scanner works and behaves just like a keyboard.
Therefore, CHS will work with Safari, Notes, and any other applications that supports an active cursor.
1. Power on the CHS. Make sure the CHS is discoverable (unpaired).
2. Start a Bluetooth device search.
   - **iOS**: Tap **Settings | General | Bluetooth**. Turn on Bluetooth. A Bluetooth device search will begin.
   - **Mac OS**: Click System Preferences | Internet & Wireless | Bluetooth. In Bluetooth preferences, select the On checkbox. Click Set up New Device... A Bluetooth device search will begin.
3. In the device list, tap on CHS [xxxxxx]. Tap Pair.
4. The CHS will connect to the Apple device.
5. The CHS will beep once after it has connected and is ready to scan barcodes.

*For Apple iOS Keyboard (only for HID mode)
- To enable/disable keyboard pop-up feature, double tap (press) the power button.

Windows: Connect Windows PC
Power on the CHS. Make sure the CHS is discoverable (unpaired).
1. Use your computer's Bluetooth Settings to connect to the CHS.
2. Open Devices and Printers and select "Add a device".
3. In the device list, select Socket CHS [xxxxxx]. Click Next.
4. If a passkey is requested, enter 0000 (four zeroes). Click OK. Or Pair Now.
5. Follow the remaining screens to complete the wizard.

Note: On some computers the CHS will have to be configured as HID Peripherals (see next page).

Windows: Connect Windows PC as a HID Peripheral
1. Power on the CHS and scan this barcode. The CHS will beep 3 times.

#FNB0001000500#

2. Turn on Bluetooth on your PDA or PC and start a device search.
3. Select Socket CHS. If prompted for a passkey, enter 0000 (four zeroes). If prompted to select services, select Input Device.
4. After the CHS connects and is ready to scan barcodes, it will beep once.

Now you are ready to scan barcodes!

To connect to a new device, you must first unpair the CHS See page 12.

Connect Android device in SPP mode

Note: SocketScan 10 software installation required.

1. Power on the CHS and scan this barcode. The CHS will beep 3 times.

#FNB00F40000#

2. Turn Bluetooth on for your device. Go to Settings > Bluetooth. A Bluetooth Devices search will begin.

3. Tap Socket CHS[xxxxxx] in the list of Devices found. After a few seconds the "Not Paired" status will change to "Connected" and the CHS Blue LED will blink every 3 seconds confirming the connection.

4. Go to Google Play Store, search for "SocketScan 10".

5. Download & install. Follow the on screen instructions.

6. Open SocketScan 10 application.

7. When prompted to set SocketScan 10 as the keyboard language, tap Back⤺.

8. Go to phone Settings / Language and Input

9. Under Keyboard Settings, select SocketScan 10.

10. Open SocketScan 10 on your device.

11. Tap the Menu ☰* icon, then select Input Method. *☰ icon may not be visible. Tap where the menu would normally appear.

12. On the next screen, select SocketScan 10 as input method.

13. Tap the "Set Up Input Method".

14. In SocketScan 10, tap the Menu ☰* icon then select Socket EZ Pair. Note: Select SocketScan 10 to configure the keyboard language or configure the button to a scan trigger button

15. Tap the option "Bluetooth".

16. Tap Socket CHS[xxxxxx]* from the list of devices found.

17. The CHS will beep once to indicate connected state and is ready to scan barcodes. Close/exit application.
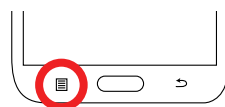
Now you are ready to scan barcodes!

▦ Connect Windows PC in SPP Mode

Note: Make sure you have administrative privileges.

1. Download the latest SocketScan 10 software from Socket Mobile's support web page.

2. Follow the on-screen instructions to install the software.

3. In SocketScan 10 Settings, select an incoming Bluetooth serial COM port.

4. Power on the CHS and scan this barcode. The CHS will beep 3 times.

#FNB00F40000#

5. Use the Bluetooth software on your computer to start a device search.

6. Tap Socket CHS[xxxxxx]* in the list of Devices found. If prompted for a passkey enter 0000 (four zeroes).

*The characters in brackets are the last 6 characters of the Bluetooth address. See label in the CHS battery compartment

Note: If prompted, please click **Ports** to create a new incoming COM port in Bluetooth settings.

7. Follow the remaining screen instructions to complete the process.

8. Click on the SocketScan 10 icon in the system tray. In the pop-up menu, click Socket EZ Pair.
   If the icon does not appear, open SocketScan 10 by clicking on the desktop shortcut.

9. Select 1D Scanner.

10. Select your CHS in the list and click Pair.

11. After they pair, the computer will connect to the CHS, indicated by a beep. The CHS will then disconnect, indicated by two beeps. Click OK.

12. After several seconds, the CHS will reconnect to the computer, indicated by a beep and the icon will also appear in the system tray.

13. Click X to close Socket EZ Pair. The CHS Registration screen will appear.

14. Make sure the CHS is connected to the computer, indicated by the CHS icon in the system tray.

Now you are ready to scan barcodes!
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Connect Apple device in iOS Mode

Please check with your scanner application vendor or visit

www.socketmobile.com/appstore to confirm your Scanner-enabled

application supports the CHS.

Install the scanner enabled software. If the scanner-enabled Application does not provide instructions on how to connect with the CHS, please use the following steps.

1. Power on the CHS. Make sure the CHS is discoverable (unpaired).

2. To change the profile to iOS mode scan this barcode. The CHS will beep 3 times.

Use with iPad, iPod touch, and iPhones.

#FNB00F40002#

3. Turn Bluetooth on the Apple device. Go to Settings > Bluetooth.
   A Bluetooth Devices search will begin.

4. Tap Socket CHS[xxxxxx]* in the list of Devices found. After a few seconds the "Not Paired" status will change to "Connected" and the CHS Blue LED will blink every 3 seconds confirming the connection.

*The characters in brackets are the last 6 characters of the Bluetooth Address. The full Bluetooth address is printed on the Product label in battery compartment.

5. Open the Scanner-enabled Application. The CHS will beep once indicating that it is connected to the appropriate application.

Now you are ready to scan barcodes!
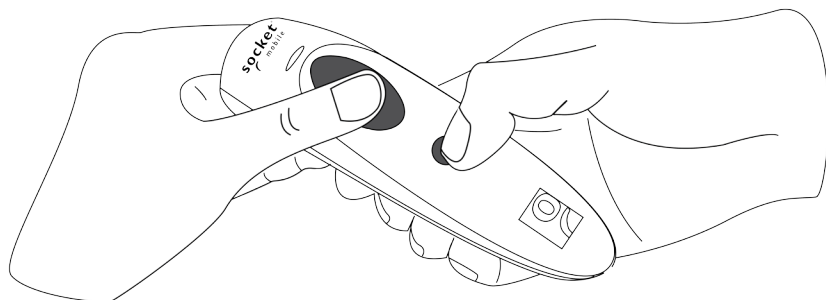
Note: This procedure will put the CHS in discoverable mode.
Step 1: Unpairing the CHS: Delete the Bluetooth Pairing

If the CHS is paired with a device, unpair it before trying to connect to a different device.

1. Power on the CHS.
2. Press and hold down the trigger and power button.
3. After you hear 3 beeps, release both buttons.

The CHS will unpair and automatically power off. The next time you power on the CHS, it will be discoverable.

Step 2: Remove the CHS from the Bluetooth list on the host device

Important: Both steps above must be done to complete the unpairing.

Scan command barcode(s) to quickly configure the CHS.

⚠ Make sure the CHS is not connected to a device before scanning a command barcode! See page 12 for unpairing instructions.

For a complete set of command barcodes, download the Command Barcodes Sheet: http://www.socketmobile.com/support/downloads

The web link is also provided in the below QR Code. To open the web page, scan this QR Code using a QR Code Reader App in your device.
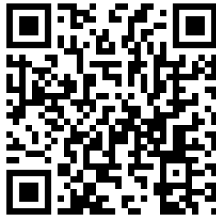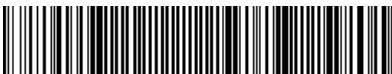
Important! Make sure the CHS is not connected to a host computer or device before scanning a command barcode!

Bluetooth Connection Modes	
HID-Keyboard *(default)* Configures the CHS to Human Interface Device (HID) mode as a Keyboard class device.	#FNB00F40001#
SPP Mode Changes the CHS to Serial Port Profile (SPP) mode.	#FNB00F40000#
iOS Mode Changes the CHS to iOS mode.	#FNB00F40002#

Important! Make sure the CHS is not connected to a host computer or device before scanning a command barcode!

Beep Settings	
Beep after CHS Decodes Data ON (default) Enables CHS to beep to indicate successful scans.	#FNB01190E000100030078004B#
Beep after CHS Decodes Data OFF Disables CHS from beeping to indicate successful scans.	#FNB01190E000100000078004B#

Vibrate Settings	
Vibrate "ON" (default) Enables CHS to vibrate to indicate successful scans.	#FNB01310001000100FA0000#
Vibrate "OFF" Disables CHS from vibrating to indicate successful scans.	#FNB0131000100000#

Factory Default	
Factory Reset Revert all settings to factory defaults. The CHS will power off after scanning this barcode.	#FNB00F0#

14

Status	LED Activity	Meaning
Bluetooth	1 Blue blink every second	Bluetooth is On but not connected.
	1 Blue blink every 3 seconds	CHS is connected to device.
Good Read	Green Constant (while scanning)	Data successfully scanned.
Battery Status	Red Blinking (while scanning and no AC power)	20% or less battery capacity remaining.
	Red Constant (while AC power)	Battery is charging.
	Off (no light) (while AC power)	Battery is fully charged.
	Off (no light) (while no AC power)	CHS is Off.

Beep Pattern	Meaning
Low-high tone	Power On
High-low tone	Power Off
1 low beep	Keyboard Pop-up Enable
1 beep	CHS connected to device and ready to scan barcodes.
1 beep with Green LED blink	Data successfully scanned.
2 beeps, same tone	CHS disconnected from device.
1 long beep	CHS tried multiple times unsuccessfully to connect to the last device it paired with. After 5 minutes the CHS will power off.
3 beeps with escalating tone	CHS recognized the Command Barcode and implemented the change.
3 beeps with escalating tone followed by a long tone	CHS recognized the Command Barcode, but could not implement the change. Verify the Command Barcode is valid and retry.

Vibrate	Meaning
Vibrate	Power On or data successfully scanned.

Command Barcodes are available on pages 13-14 to modify the LED, beep, and vibrate settings.

If you are using a Scanner-enabled Application, typically the application provides settings for LED, beep, and vibrate settings.

Bluetooth Mode Sequence

Time after powering on CHS	Bluetooth mode
0-5 minutes	Discoverable and connectable
5 minutes	If a connection is not made the CHS will power off.

If a device connects to the CHS, it stays on for 2 hours then turns off if a button is not pressed. If a button is press the timer is reset to expire in another 2 hours.

Specifications	CHS 7Mi	CHS 7Pi
Dimensions	5.07 x 1.57 x 1.36 in. (129 x 40.1 x 34.6 mm)	5.2 x 1.77 x 1.49 in. (132 x 45.1 x 37.9 mm)
Total Mass	1.8 oz (51 g)	3.2 oz (90.7 g)
Antimicrobial	Antimicrobial additive in all external surfaces	
Operating Temp	+32 to +122˚F (0 to + 50˚C)	
Battery Life	14 hours or 15,000 scans	
Charge Time	5 hours fully charged	
Bluetooth Version	Bluetooth v2.1 + EDR with 56 bit data encryption	
Wireless Range	10 m (33 ft) Line of sight	100 m (330 ft) Line of sight
Scanner Type	Class 2 Laser (1D)	
Symbologies	All major 1D barcodes	
Supported Language Settings (in HID mode)	English, French, German, Spanish	
Supported Language Settings (in iOS mode)	All languages supported by Apple	

Technical Support & Product Registration:
http://support.socketmobile.com
Phone: 800-279-1390   +1-510-933-3000 (worldwide)

Warranty Checker:
http://www.socketmobile.com/support/warranty-checker

Socket Mobile Developer Program:
Learn more at: http://www.socketmobile.com/developers

The User's Guide (full installation and usage instructions) and Command Barcodes (Advanced Scanner Configurations) can be download at:
http://www.socketmobile.com/support/downloads

This web link is also provided in the below QR Code. To open the web page, scan this QR Code using a QR Code Reader App in your iOS device.

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.

CANADIAN DOC STATEMENT

This digital apparatus does not exceed the Class B limits for radio noise for digital apparatus set out in the Radio Inter-ference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de las classe B prescrites dans le Réglement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

CE MARKING AND EUROPEAN UNION COMPLIANCE

Testing for compliance to CE requirements was performed by an independent laboratory. The unit under test was found compliant with all the applicable Directives, 2004/108/EC and 2006/95/EC.

**WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT**

The WEEE directive places an obligation on all EU-based manufacturers and importers to take-back electronic products at the end of their useful life.

ROHS STATEMENT OF COMPLIANCE

This product is compliant to Directive 2011/95/EC.

NON-MODIFICATION STATEMENT

Changes or modifications not expressly approved by the party responsible for compliance.
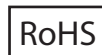
Socket Mobile Incorporated (Socket) warrants this product against defects in material and workmanship, under normal use and service, for one (1) year from the date of purchase. Product must be purchased new from a Socket Authorized Distributor or Reseller. Used products and products purchased through non-authorized channels are not eligible for this warranty support.

Warranty benefits are in addition to rights provided under local consumer laws. You may be required to furnish proof of purchase details when making a claim under this warranty.

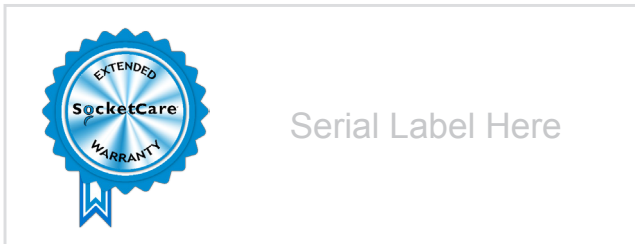*Consumables such as batteries, removable cables, cases, straps, and chargers: 90 day coverage only*

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

Extend Your Warranty...

SocketCare™

Protect Your Investment...
Enhance Your Service

Receive Priority Service and Personal Care.

You have <u>60 Days</u> from purchase date to enroll in a SocketCare Service Program! Please provide your device serial number from the label below when enrolling:

Serial Label Here

For detailed information visit:

http://www.socketmobile.com/socketcare