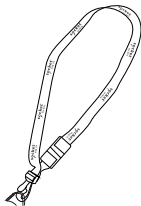Model shown: CHS 7Qi

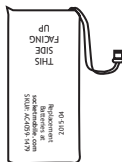# Bluetooth Barcode Scanner
CHS 7Qi, 7Xi, 7XiRx
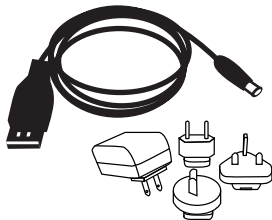
PACKAGE CONTENTS
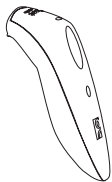
CHS 7Qi, 7Xi, 7XiRx	Lanyard	Rechargeable Li-ion battery pack (installed)	AC adapter* & USB to DC plug cable *Use the plug that is regionally appropriate

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

Blue/Green/Red LED

Trigger button

Power button*

DC-in connector

Twist-lock (horizontal/unlocked)

Twist-lock (vertical/locked)

Lanyard

Product label

Scanner head

Battery door

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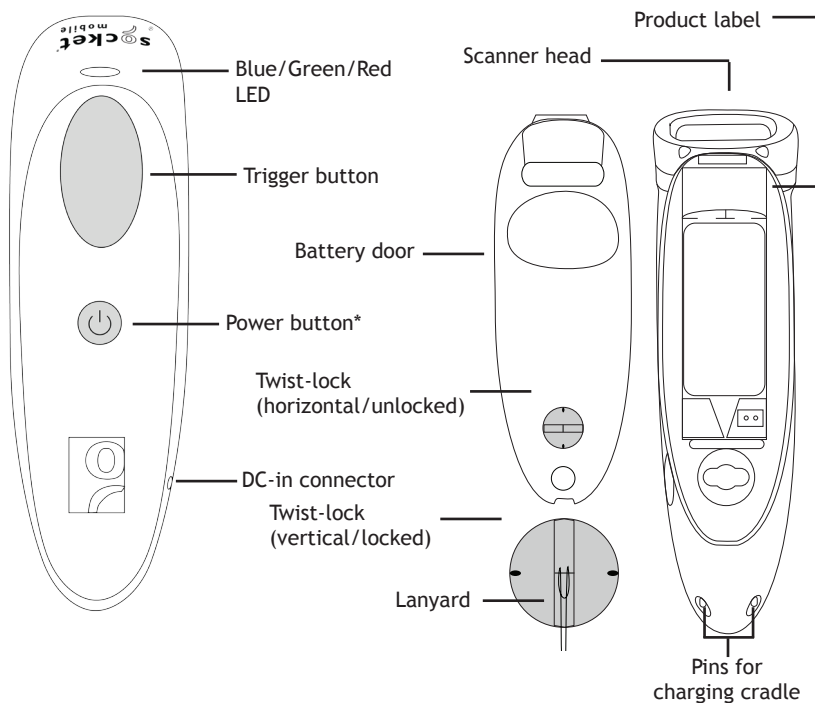
*Also used for keyboard Pop-up in iOS Mode (Basic (HID) Mode only)

3
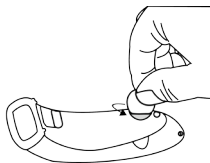
① To view the Battery
Unlock the Battery door by using a thin coin to turn the lock under the CHS to a horizontal position (turn 90 degrees).
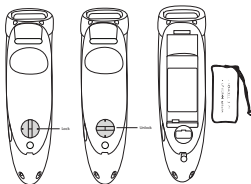
② Attach the Lanyard (optional)
Detach the string loop of the tether from the lanyard. Then feed the string loop through the slot in the Twist-lock and then through the end of the loop. Pull tight so the string loop is secure to the Twist-lock, reattach the string loop to the tether from the Lanyard.
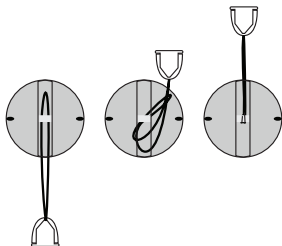
If desired, attach the tether to a lanyard or belt.
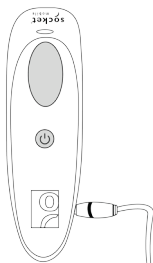
③ Charge the Battery
The CHS must be fully charged before first use. Please allow 5 hours uninterrupted charging for the *initial* battery charge.

For the 7Xi or 7XiRx, lift the rubber flap to access the power connector. 5 Hours

• Red LED = Charging
• Green LED = Fully charged

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

Charging with Cradle or QX Stand is optional (available separately).
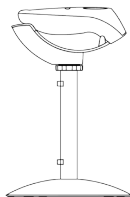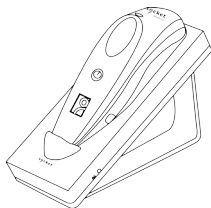
Power button
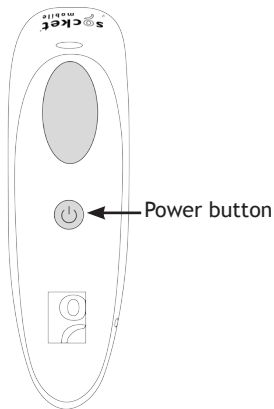
Powering On:
Press and hold down the small power button until the LED turns blue and the CHS beeps twice (low-high).

Powering Off/ Disconnecting:
Press and hold down the small power button until the CHS beeps twice (high-low). The CHS can power off automatically if it is not connected within 5 minutes and it is connected within 2 hours of inactivity.

1D Barcode
Aim the scan beam straight
across the entire barcode.
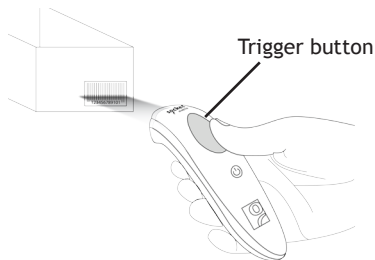
2D Barcode
Aim at the center.
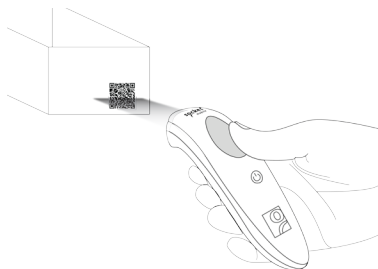
Trigger button

Scanning Barcodes

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.

BLUETOOTH CONNECTION MODES

Connect your CHS using one of the following Bluetooth connection modes:

Bluetooth Connection Profiles

Bluetooth Mode	Description
Basic (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 to host device
SPP Serial Port Profile	• Software installation required • More efficient and reliable data communications for barcodes containing lots of data
Advance (iOS) used for iOS devices 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 Basic (HID) Mode.

Operating System Connection Options

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

Note: To switch from one mode to the other you must remove the pairing information from both devices - host computer and the CHS. (see unpairing procedure on page 20)

Android: Connect Android Device in Basic(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" and scan for devices.
4. In the list of found devices, select Socket 7Xi [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 barcodes.

Apple: Connect Apple iOS Device or Mac OS Device Basic (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
10 barcodes.

⊞ **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 7Xi [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 Periferal. If not successful, scan this special barcode and repeat the steps above.

#FNB0001000500#

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. Make sure it is discoverable.
3. Select Socket 7Xi. 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 or use a different profile (mode) on the same device, you must first unpair the CHS See page 20.

📱 Connect Android or Windows Mobile Device:
Highly recommended, allows two-way communications with Android, Windows and Mobile Devices. SocketScan 10 software installation required.

1. Power on the CHS and scan this barcode. The CHS will beep 3 times. Make sure the CHS is discoverable (unpaired).

#FNB00F40000#

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

3. Tap Socket 7Xi[xxxxxx] in the list of Devices found. After a few seconds the "Not Paired" status will change to "Connected" or "Paired" and the CHS Blue LED will start blinking every 3 seconds confirming the connection.

You are now ready to scan barcodes using your Scanner-enabled Application.

🤖 Connect Android device in SPP Mode using EZ Pair

1. Go to Google Play Store, search for "SocketScan 10".
2. Download & install. Follow the on screen instructions.

Note: If prompted, allow the app to access your *Bluetooth* settings / USB storage / SD card / Coarse location.

3. Make sure Bluetooth is turned on.
4. Open SocketScan 10 application.
5. When prompted to set SocketScan 10 as the keyboard language, tap Back↩.
6. Go to Settings on Android device / Language and Input
7. Under Keyboard Settings, select SocketScan 10.
8. Open SocketScan 10 on your device.
9. When prompted to enable SocketScan 10 as Input Method, tap Back↩.
10. Tap the Menu ▤ icon, then select Input Method.
11. On the next screen, select SocketScan 10 as input method.
12. Power on the CHS. Make sure the CHS is discoverable (unpaired).
13. In SocketScan 10, tap the Menu ▤ icon then select Socket EZ Pair.
14. Scan the barcode on the screen to switch or set your scanner in SPP mode. The CHS will beep 3 times.

Connect Android device in SPP Mode

15. Select [On screen] button.

16. On the next screen, tap on the 7Qi or 7Xi button that is appropriate for your scanner button.

17. Scan the barcode on the screen. The CHS will beep 3 times.

18. When notified of a pairing request, swipe the notification icon down then tap Pairing request.

19. On the next screen, tap Pair.

20. The CHS will beep once to indicate connected state and is ready to scan barcodes. Tap Back ⏎ to close Socket EZ Pair.

21. If you are connecting a scanner which is not registered, a CHS registration icon will appear on top of the screen. Swipe the icon down to open the registration pages. Follow the instructions to register your CHS. Socket Mobile highly recommends that all customers register their products, but registration is not necessary.

Now you are ready to scan barcodes!

Note: If you are unable to scan the barcode on screen, please use the alternative Bluetooth Method to connect the CHS; refer to the User Guide at Socket Mobile's support web page.

⊞ 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.

Note: If there is none please click **Ports** to create at least one new incoming COM port in Bluetooth settings.

4. Click Finish.

⊞ **To pair the CHS with the PC using EZ Pair:**

1. Power on the CHS. Make sure the CHS is available to be connected to Bluetooth (unpaired).
2. Launch SocketScan 10 and click on the SocketScan 10 icon in the task tray. In the pop-up menu, click Socket EZ Pair.
3. Scan the barcode on the screen to switch set your scanner in SPP mode. The CHS will beep 3 times.
4. Click **2D Scanner** accordingly.
5. Scan the barcode that appears on the screen.
6. The PC will automatically try to pair with the CHS. If prompted to allow the pairing, click Yes. If prompted for a passkey, enter 0000 (four zeroes).
7. After the CHS connects, it will beep once. Close Socket EZ Pair.
8. If you are connecting a scanner which is not registered, a CHS registration icon will appear on top of the screen. Follow the instructions to register your CHS. Socket Mobile highly recommends that all customers register their products, but registration is not necessary.
9. The task tray icon will change to indicate the connection.

Now you are ready to scan barcodes.

Note: If you are unable to scan the barcode on screen, please use the alternative Bluetooth Method to connect the CHS; refer to the User Guide at Socket Mobile's support web page.

Connect Apple iOS device in Advance (iOS) Mode

Please check with your scanner application vendor or visit www.socketmobile.com/appstore to confirm your Scanner-enabled application supports the CHS.

If you are using the CHS with an Apple iOS device and a Scanner-enabled Application that does not provide instructions 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 Advance (iOS) mode scan this barcode. The CHS will beep 3 times.

Use with iPad, iPod touch, and iPhones.

#FNB00F40002#

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

4. Tap Socket 7Xi[xxxxxx] in the list of Devices found. After a few seconds the "Not Paired" status will change to "Connected" or "Paired" and the CHS Blue LED will blink every 3 seconds confirming the connection.

Note: The characters in brackets are the last 6 characters of the Bluetooth Address. The full Bluetooth address is printed on the Product label.

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

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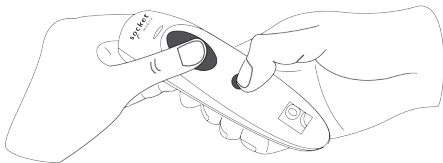
Note: This procedure will put the CHS in discoverable mode.
**Step 1: Unpairing the CHS: Delete the Bluetooth Pairing**

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.
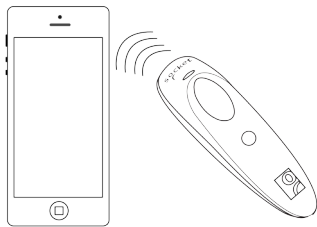
Automatic Reconnections

Each time you power on the CHS, it will automatically try to connect to the last device it was connected to.

- Make sure the device is in range with Bluetooth On.
- If using HID mode, pressing the trigger button will force or trigger the connection.
- If using Advance (iOS) mode, make sure the Scanner-enabled Application is active.
- If using SPP mode, make sure SocketScan 10 software or an application developed with SocketScan 10 SDK is running.

Make sure the device is on and in range. While the CHS is attempting to connect the Blue LED will blink every second.

- If a connection is made, the Blue LED will blink every 3 seconds.
- If a connection is not made after 30 attempts, the CHS will emit a long beep.

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 20 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 iOS 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	
SPP Mode Changes the CHS to Serial Port Profile (SPP) mode	
Advance (iOS) Mode Changes the CHS to Advance (iOS) mode for Apple iOS Devices	

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.	
Beep after CHS Decodes Data OFF Disables CHS from beeping to indicate successful scans.	

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

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

STATUS INDICATORS

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 23-25 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 7Qi	CHS 7Xi	CHS 7XiRx
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	1.6 oz (45 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	~10 hours or 5,000 scans per charge		
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 (330ft) Line of sight	
Scanner Type	Omni-directional Imager (2D)		
Symbologies	All major 1D and 2D barcodes		
Supported Language Settings (in Basic (HID) mode)	English, French, German, Spanish		
Supported Language Settings (in Advance (iOS) mode)	All languages supported by Apple		

Technical Support & Product Registration:
http://support.socketmobile.com
Phone: 800-279-1390   +1-510-933-3020   (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 Interference 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 les ministère des Communications du Canada.

REGULATORY COMPLIANCE

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.

FC CE RoHS
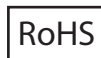
Socket Mobile Incorporated (Socket) warrants this product against defects in material and workmanship, under normal use and service, for one (1) year from the date of purchase. Product must be purchased new from a Socket Authorized Distributor or Reseller. Used products and products purchased through 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 60 Days 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

2016