socket mobile

CHS 7Xi

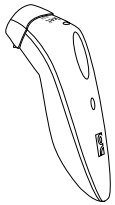
QUICK START GUIDE



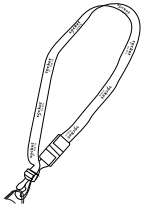
Made for iPod iPhone iPad

Bluetooth Cordless Barcode Scanner

www.socketmobile.com



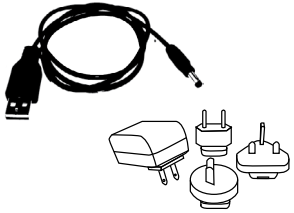
CHS 7Xi



Lanyard



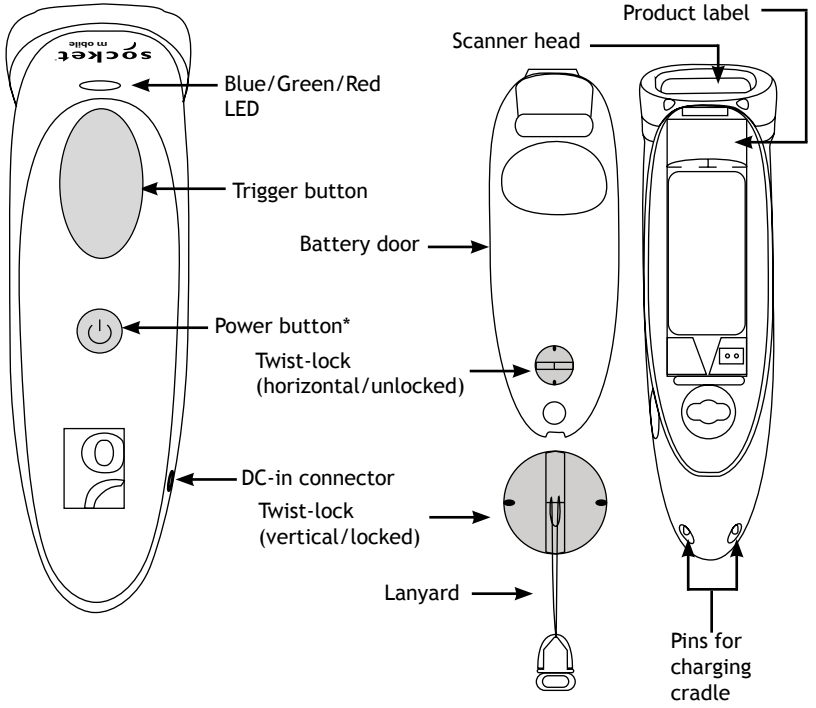
Rechargeable
Li-ion battery pack
(installed)



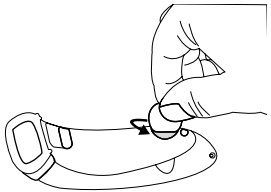
AC adapter* & USB to
DC plug cable
*Use the plug that is
regionally appropriate

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

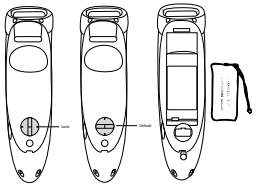
© 2010-2015 Socket Mobile, Inc. All rights reserved. Socket, the Socket logo, and SocketScan are registered trademarks or trademarks of Socket Mobile, Inc. The Bluetooth word mark and logo are registered trademarks of the Bluetooth SIG, Inc. USA, and any use by Socket Mobile, Inc. is under license. All other trademarks and trade names contained herein may be those of their respective owners.



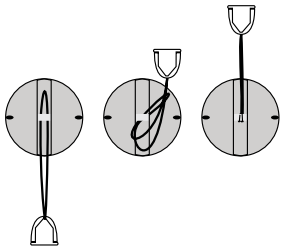
*Also used for keyboard Pop-up (HID Mode only)



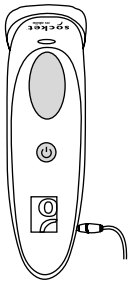
1 **Battery door removal**
Unlock the Battery door by using a thin coin to turn the lock under the CHS to a horizontal position (turn 90 degrees).



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 Twistlock 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.

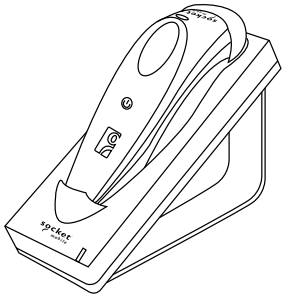


3 **Charge the CHS**
The CHS must be fully charged before first use. Please allow 4 hours uninterrupted charging for the initial battery charge. Lift the rubber flap to access the power connection.

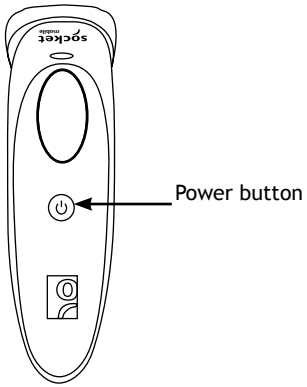
- Red LED = Charging
- Green LED = Fully charged

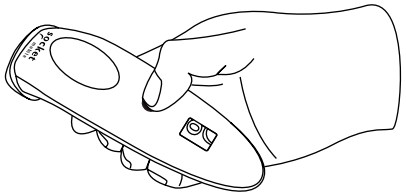


Charging from a computer USB port is not reliable and not recommended.



Socket Mobile offers a Charging Cradle (optional Accessory/sold separately, SKU# AC4054-1382) which is a convenient holder that charges the scanner when not in use.



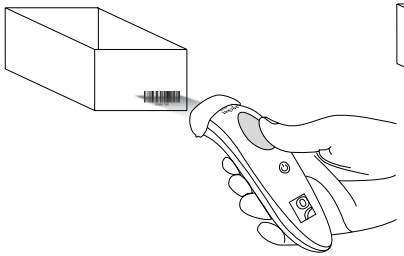


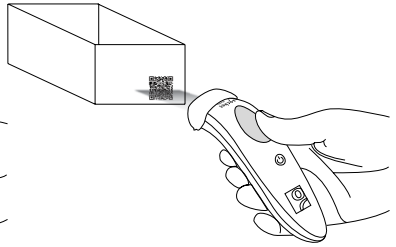
- **Powering On:**
  Press and hold down the small power button until the LED turns Blue and the CHS beeps twice (low-high).

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

1D
Aim the scan beam straight across the entire barcode.

2D
Aim at the center.





Scanning Barcodes:
After connecting the CHS to your device, open an application and put the cursor where you want to enter data.

Hold the CHS about 4 inches (10 cm) from the barcode and press and hold the trigger button. Position the CHS so the Red beam covers the entire width of the barcode. Keep your hand steady while scanning.

By default, the CHS will beep and vibrate, and the LED will flash Green to confirm that data was decoded and sent to the device.

The CHS is connected to your iOS device using one of the following modes:
1. iOS mode
2. HID Keyboard Emulation mode (default)

iOS mode
iOS mode is used with a Scanner-enabled Application. Scanner controls are embedded in the Application to provide better performance, security, features, and domain-specific capabilities.

If you purchased a Scanner-enabled Application on the Apple App Store (or through the Apple Volume Purchase Program for Business) that features integrated support for the CHS, we recommend you install that Application on your device and follow the Application instructions to connect with the CHS. If the connection steps are not documented in the Application, please see pages 12-13 for the connection steps using iOS mode.

Please visit the Socket Mobile App Store to confirm your Scanner-enabled
Application supports the CHS.
http://www.socketmobile.com/appstore

HID Keyboard Emulation mode (default)
In HID mode the CHS emulates a keyboard. This is a universal connection method and will work with any application that has a text field.
The application receives the data input from the CHS. The CHS includes a keyboard pop-up feature so you can disable the CHS and accept data input from the onscreen keyboard on the device. Pages 10-11 provides the connection steps using HID mode.

MAC OS devices are connected using HID mode.

iOS devices are connected using either iOS mode or HID mode, but not both together.

To pair the CHS with the Apple device in HID mode: (required only the first time you connect).

1. Power on the CHS. The Blue LED should blink every second indicating Bluetooth is on but not Connected.

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

An iOS device is always Discoverable when in the Bluetooth menu is active. A MAC OS device provides an option to turn Discoverable On or Off. Confirm the MAC OS device is Discoverable.

3. Tap Socket 7Xi [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 indicating it is Connected.

The characters in brackets are the last 6 characters of the Bluetooth Address. The full Bluetooth address is printed in the Product label (remove the battery door).

You are now ready to scan barcodes, see instructions on page 7.

Keyboard Pop-up Enable

The CHS emulates the keyboard in HID mode. So scanned barcode data will be input into the text field. The following steps show how to access the onscreen keyboard while connected to the CHS in HID mode.

1. Make sure the CHS is connected to your Apple device in HID mode.

2. Open your application and place the cursor where you want to enter data.

3. Quickly double-press the power button of the CHS (like doubleclicking a mouse) to open or close the onscreen keyboard. The CHS will beep once as confirmation.

To connect to a new Apple device, you must first unpair the CHS and remove the CHS from the Bluetooth list in your device. See page 15.

If you are using a Scanner-enabled Application, follow their instructions to connect with the CHS. Many applications include these steps and barcodes in the set-up procedure.

If you are using an Application that connects to the CHS using HID Keyboard Emulation mode, follow the instructions on pages 10-11. iOS mode should not be used.

If you are using the CHS with an iOS device and a Scanner-enabled Application that does not provide instructions to connect with the CHS, please use the following steps.

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



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

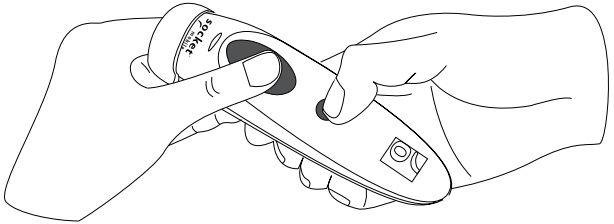
3. Tap Socket Socket 7Xi [xxxxxx] in the list of Devices found. After a few seconds the “Not Paired” status will change to “Connected” and the CHS Blue LED will blink every 3 seconds confirming the connection.

The characters in brackets are the last 6 characters of the Bluetooth Address. The full Bluetooth address is printed in the Product label (remove the Battery door).

4. Open the Scanner-enabled Application. The CHS will beep once indicating that the application is in control and you are ready to scan. It should now be connected to the CHS.

You are now ready to scan barcodes with the Scanner-enabled Application, see instructions on page 7.

The remaining pages provide reference material on how to better use the CHS. We recommend you review this material and save for future reference.



Unpairing the CHS: Deleting the Bluetooth Pairing

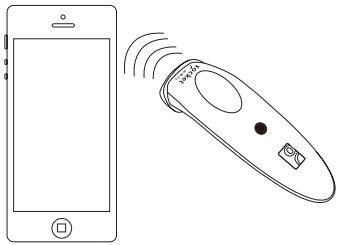
In most cases, if the CHS is paired with a device, you should unpair it before trying to connect to a new device.

1. Power on the CHS.
2. Press and hold down the trigger button.
3. Press and hold down the power button.
4. 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.

Remove the CHS from the Bluetooth list in your iOS device

To Unpair the CHS on your device, go to Settings > Bluetooth, tap ⓘ next to the Socket 7Xi [xxxxxx] name, then tap “Forget this Device”.



Automatic Reconnections
After 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 enforce the connection.
- If using iOS mode, make sure the Scanner-enabled Application is active.

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 tries, 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!

For a complete set of command barcodes, download the Command Barcodes Sheet: www.socketmobile.com/pdf/data-collection/command-barcodes-sheet_7X.pdf

This web link is also provided in the below QR code.

Bluetooth Connection Modes	
HID-keyboard (default)	**iOS Mode**

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

COMMAND BARCODES (CONTINUED)

Vibration and Beep Settings	
Enable Vibration and Beep (default)	**Disable Vibration only**
Disable Vibration and Beep	**Disable Beep only**

Data Suffix	
 **Carriage Return Suffix** (default)	 **Tab Suffix**
 **Carriage Return & Line Feed Suffix**	 **Data As Is - No Prefix or Suffix**

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	Green constant (while charging)	Battery is fully charged.
	Red Blinking (while scanning and no AC power)	20% or less battery capacity remaining.
	Red constant (While AC power)	Battery is charging.
	Off (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 bar-codes.
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 con-nect 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 imple-mented 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 page 19 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.

Dimensions	5.2 x 1.77 x 1.49 in. (132 x 45.1 x 37.9 mm)
Total Weight	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 1,000 scans
Charge Time	4 hours fully charged
Bluetooth Version	Bluetooth v2.1 + EDR with 56 bit data encryption
Wireless Range	100 m (333 ft) Line of sight
Scanner Type	Omni-directional Imager (2D)
Symbologies	All major 1D and 2D 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 +1-510-933-3020
Warranty Checker
www.socketmobile.com/support/warranty-checker
Socket Mobile Developer Program:
Learn more at: http://developer.socketmobile.com

The User's Guide (full installation and usage instructions) and Command Barcodes (Advanced Scanner Configurations) can be download at: www.socketmobile.com/support/downloads/data-collection/series7/ss10/?page=series

This web link is also provided in the below QR code

FCC WARNING STATEMENT

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.

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

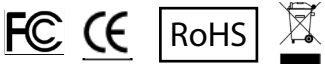
The WEEE directive places an obligation on all EU-based manufacturers and importers to take-back electronic products at the end of their useful life.

ROHS STATEMENT OF COMPLIANCE

This product is compliant to Directive 2002/95/EC.

NON-MODIFICATION STATEMENT

Changes or modifications not expressly approved by the party responsible for compliance.



NOTES

Model _____

Serial No. _____

Bluetooth Address _____

Date of Purchase _____

QuickStart Guides in other languages are available for download at:
http://www.socketmobile.com/AppleQSG.aspx

2015