



# QUICK START GUIDE

## Bluetooth® Cordless Hand Scanner (CHS)

2D Models — CHS 7Xi, 7XiRx



Model shown: CHS 7Xi

**This document pertains to the following CHS models:**

- 7Xi      SKU# CX2864-1336    (P/N 8550-00059)
- 7XiRx    SKU# CX2866-1338    (P/N 8550-00060)

*The part number (PIN) is labeled inside the battery compartment.*

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# PACKAGE CONTENTS

- Socket *Bluetooth* Cordless Hand Scanner (CHS)
- Lanyard / belt clip with retractable tether
- Rechargeable battery (pre-installed)
- AC adapter
- USB to DC plug cable

# HELPFUL RESOURCES



## Software and Documentation Downloads:

Download the latest software and manuals from:

<http://www.socketmobile.com/support/downloads/data-collection/series7/ss10/>

- **User's Guide:** Full installation and usage instructions available online.
- **Command Barcodes Sheet:** Scan to configure the CHS. Many are at the end of this *Quick Start Guide*. For a full set, download *Command Barcodes Sheet*.



## Product Registration:

Need technical support? Want to opt-in for special offers? Register your product online: <http://support.socketmobile.com/>

Alternatively, if you install SocketScan 10 software for Android / Windows / BlackBerry OS or ScannerSettings for iOS, you can use it to register the CHS.



## Technical Support:

- Online Knowledge Base: [http://support.socketmobile.com/EU\\_S1a.asp](http://support.socketmobile.com/EU_S1a.asp)
- Online Requests: Register to submit an inquiry. <http://support.socketmobile.com>
- Phone: +1-510-933-3020 USA/Canada 800-279-1390



## Software Development Kit:

SocketScan 10 SDK for Apple iOS, Android, BlackBerry and Windows is available to members of the Socket Mobile Developer Program (\$19.95/year).

Lear more at: <http://developer.socketmobile.com/>

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

# SCANNER SETUP



## 1

### Attach the Tether / Lanyard:

(Optional):

Unlock the battery cover by using a screwdriver or coin to turn the lock under the CHS to a horizontal position. Remove the cover.

After removing the battery cover, wrap the string loop of the tether around the inside part of the lock. Replace the battery cover and lock it by turning the lock into a vertical position. If desired, attach the tether to a lanyard or belt.



## 2

### Charge the CHS:

The CHS must be fully charged before first use. Initial charging takes about 5 hours. Lift the rubber flap to access the power connector.

- Red LED = Charging
- Green LED = Fully charged



Besides the included AC adapter and USB to DC plug cable, Socket offers optional charging cradles (sold separately).

- Cradle for CHS 7Xi: SKU# AC4055-1382
- Cradle for CHS 7XiRx: SKU# AC4056-1383

<http://www1.socketmobile.com/products/bluetooth-scanners/accessories-bt.aspx>

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



The CHS supports keyboards in English, French, German and Spanish (HID mode only). To change the keyboard language, see HID Keyboard Language Settings on the last page of this guide.

## BASIC FUNCTIONALITY



### **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).



### **Scanning Barcodes:**

After connecting the CHS to your device, open an application. 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 host device.

## BLUETOOTH PAIRING




### **Automatic Reconnections:**

After you power on the CHS, it will automatically try to connect to the last device it paired and connected to.

- Make sure the device is in range with *Bluetooth* on.
- If using SPP mode, make sure SocketScan 10 software or an application developed with SocketScan 10 SDK is running.

If the CHS is connected to a device and gets disconnected, it will try to reconnect for a few minutes. Make sure the device is on and in range. If the CHS cannot reconnect, it will emit a long beep. Press the trigger button to restart the reconnection process.

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

# HID vs. SPP vs. iOS MODE

The CHS 7Xi supports three modes, based on different types of *Bluetooth* connections:

- **Human Interface Device (HID):** Default mode. No software installation is required.
- **Serial Port Profile (SPP):** Highly recommended, allows two-way communications with Android, BlackBerry and Windows. SocketScan 10 software installation is required.
- **iOS:** Highly recommended, allows two-way communications with Apple iOS devices. Compatible application developed with SocketScan 10 SDK is required.

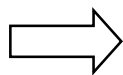
OS	Apple iOS	Android OS	Windows Embedded*/ PC	BlackBerry OS	Most Other OS**
<b>HID</b>	✓	✓ 2.2 and later with HID support	✓	✗	✓
<b>SPP</b>	✗	✓ 2.1 and later	✓	✓	✗
<b>iOS</b>	✓ compatible app required	✗	✗	✗	✗

 **By default, the CHS is set to HID mode for Keyboard devices, which requires no software installation.**

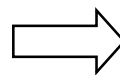
For easiest setup, choose HID mode if supported by your device:



1. Charge.



2. Connect scanner.



3. Scan barcodes.

To learn how to connect by scanning a custom barcode, please refer to the *User's Guide*.

To change modes, use command barcodes (page 11). Learn more about HID and SPP at: [http://www.socketmobile.com/pdf/techbrief/socketscan-10-sdk\\_white-paper.pdf](http://www.socketmobile.com/pdf/techbrief/socketscan-10-sdk_white-paper.pdf)

\*Windows Embedded Handheld only. \*\*Includes Mac OS, Windows RT, Linux, etc.




**To pair the CHS with the Apple device:** (required only the first time you connect)

1. Power on the CHS.
2. Make sure the CHS is set to HID Keyboard mode (default). If needed, scan this barcode to set it to the correct scanner mode. The CHS will beep 3 times.




3. Enable *Bluetooth* on the Apple device. A *Bluetooth* device search will begin.
4. In the list of found devices, select **Socket 7Xi [xxxxxx]**. If prompted, tap **Pair**.

 The characters in brackets are the last 6 characters of the Bluetooth Address, which is labeled in the CHS battery compartment.

6. After the CHS connects and is ready to scan barcodes, it will beep once.

**Now you are ready to scan barcodes, see instructions on page 4.**

 To connect to a new device, you must first unpair the CHS. See page 4.

**To access the onscreen keyboard while connected to the CHS:**



 See a video demo at: <http://www.youtube.com/watch?v=VhtttoC6ROs>

1. Make sure the CHS is connected to your Apple device.
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 double-clicking a mouse) to open or close the onscreen keyboard.



**IMPORTANT! Follow the instructions below ONLY if you are using a compatible application developed with SocketScan 10 SDK!**



To view a selected listing of compatible apps developed with SocketScan 10 SDK, please visit: <http://www.socketmobile.com/appstore>



The setup instructions may vary depending on your application. Follow the instructions provided by your software application developer.

**To install the software:**

Install a compatible application onto your device that was developed with SocketScan 10 SDK. Follow the installation instructions from the application developer.

**To pair the CHS with the Apple device:** (required only the first time you connect)

1. Power on the CHS. Scan this barcode to change the CHS to iOS mode. The CHS will beep 3 times.



2. Open the application.
3. Enable *Bluetooth* on the Apple device. A *Bluetooth* device search will begin.
4. In the list of found devices, select **Socket 7Xi [xxxxxx]**. If prompted, tap **Pair**.



The characters in brackets are the last 6 characters of the Bluetooth Address, which is labeled in the CHS battery compartment.


6. Go to your application. It will attempt to connect your device to the CHS.

***Now you are ready to scan barcodes into your compatible application, see instructions on page 4.***



To connect to a new device, you must first unpair the CHS. See page 4.







 The instructions below are based on the Asus Nexus 7 running Android OS 4.2. Instructions for other devices may slightly differ. For Bluetooth HID instructions, please see the *User's Guide*.


### **To install the software:**

1. If you installed barcode scanning software for your device camera, scan this barcode to launch the SocketScan 10 page in Google Play. Alternatively, open Google Play and search for SocketScan 10 Keyboard Wedge Software.
2. Follow the on-screen instructions to download and install SocketScan 10 software.  
*If prompted, allow the app to access Bluetooth settings/ USB storage/ SD card contents.*




3. If SocketScan 10 prompts you to turn on Bluetooth, touch **Allow**.
4. You will be prompted to set SocketScan 10 as the keyboard language. Touch **Back** .
5. Touch **Home**  | **Apps** | **Settings** | **Language & input**.
6. Under Keyboard & Input Methods, select **SocketScan 10**. Touch **Back** .
7. In SocketScan 10, touch **Menu** | **Input Method**. Select **SocketScan 10**. Touch **Back** .


### **To pair and connect the CHS and Android device:** (required only the first time you connect)

1. In SocketScan 10, touch **Menu** | **Socket EZ Pair**.
2. Touch **On screen**. Touch **2D Scanner**.
3. Power on the CHS. Scan the barcode that appears on the screen.
4. Your device will automatically try to pair with the CHS. When prompted with a Bluetooth Pairing Request, touch **Pair**.
5. After the CHS connects and is ready to scan barcodes, it will beep once. Touch **Back** .
6. The SocketScan 10 icon at the top of the screen will change to indicate the connection.

Status Bar Icon  CHS not connected.  CHS connected.

7. If you have not registered your CHS, a registration icon  will appear on top of the screen. If desired, swipe it down to open the software and register your CHS.



**Now you are ready to scan barcodes, see instructions on page 4.**

 To connect to a new device, you must first unpair the CHS. See page 4.







**To install the software and configure a COM port:**


-  Windows 8 or 7: Make sure you have administrative privileges to install software.
1. Download the latest SocketScan 10 software from:  
<http://www.socketmobile.com/support/downloads/data-collection/series7/ss110/>
  2. Follow the on-screen instructions to install the software. In the last screen, click **Finish**.
  3. In SocketScan Settings, select an incoming Bluetooth serial COM port. Click **OK**.
-  Click **Ports** to create a new incoming COM port or identify an incoming COM port.

**To pair the CHS with the PC:** (required only the first time you connect)

1. Make sure *Bluetooth* is enabled on your PC.
2. Make sure SocketScan 10 is running. Click on the SocketScan 10 desktop icon .
3. Click on the SocketScan 10 icon  in the task tray. In the pop-up menu, click **Socket EZ Pair**.
4. Click **On screen**. Click **2D Scanner**.
5. Power on the CHS. 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 have not registered the CHS, a registration screen will appear. If desired, register your CHS.
9. The task tray icon will change to indicate the connection.

Task Tray Icon  CHS not connected.  CHS connected.

***Now you are ready to scan barcodes, see instructions on page 4.***

-  To connect to a new device, you must first unpair the CHS. See page 4.

## WINDOWS PC OR WINDOWS EMBEDDED HANDHELD HID (PERIPHERALS) MODE



### **To pair the CHS with the PC or PDA:** (required only the first time you connect)

1. Power on the CHS. Scan this barcode to configure the CHS to work in HID mode for peripherals. The CHS will beep 3 times.



2. Turn on *Bluetooth* on your PC or PDA and start a device search / add a new device.
3. In the list of found devices, select **Socket 7Xi [xxxxxx]**. 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, see instructions on page 4.***



To connect to a new device, you must first unpair the CHS. See page 4.

## BLACKBERRY OS SPP MODE



SocketScan 10 software works with BlackBerry OS 5.0.0.714 or later for Bold 9700. Other phones may be compatible. For instructions for Bold 9900, please visit: [http://www.socketmobile.com/pdf/data-collection/chs-7xi\\_blackberry-9900.pdf](http://www.socketmobile.com/pdf/data-collection/chs-7xi_blackberry-9900.pdf)

**To install the software:** On your phone, open <http://www.socketmobile.com/blackberry> Follow the onscreen instructions to download and install the software.

### **To pair the CHS with the phone:** (required only the first time you connect)

1. In the Home screen, click **Downloads | SocketScan 10**. If prompted to grant trusted application status, click **Yes**.
2. Click **Menu | Socket EZ Pair**. Click **2D Scanner**. If asked for permission to access <http://www.tec-it.com>, click **Allow**.
3. Power on the CHS. Scan the barcode that appears on the screen.
4. When asked if you want to connect to the CHS, click **Yes**. If asked for a passkey, enter **0000** (four zeroes).
5. After they pair and connect, the CHS will beep. Click **Menu | Close**.
6. The registration screen will appear. If desired, register your CHS.

***Now you are ready to scan barcodes, see instructions on page 4.***



To connect to a new device, you must first unpair the CHS. See page 4.





# COMMAND BARCODES


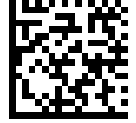


Scan command barcode(s) to quickly configure the CHS.

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

 **By default, the CHS is in HID mode as a Keyboard device.**

For a complete set of command barcodes, download the *Command Barcodes Sheet*:  
[http://www.socketmobile.com/pdf/data-collection/command-barcodes-sheet\\_7X.pdf](http://www.socketmobile.com/pdf/data-collection/command-barcodes-sheet_7X.pdf)

Bluetooth Connection Mode	
 <b>SPP Mode</b>	 <b>HID Mode (default)</b> Keyboard device class
 <b>HID-Peripheral</b> Peripheral device class	 <b>iOS Mode</b>

Suffix Setup	
A suffix is a set of character(s) automatically added at the end of scanned data	
 <b>Carriage Return Suffix (default)</b>	 <b>Tab Suffix</b>
 <b>Carriage Return &amp; Line Feed Suffix</b>	 <b>Data As Is - No Prefix or Suffix</b>

## Factory Defaults

### Factory Reset

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



## Language Settings (only for HID mode)



**English**



**French**



**German**



**Spanish**

## Apple iOS Keyboard (only for HID mode)

The Double Press feature enables you to open the iOS onscreen keyboard after quickly pressing the CHS power button two times.



### Enable Double Press

Opens iOS Keyboard - With Beep (*default*)



### Enable Double Press

Opens iOS Keyboard – No Beep



**Disable Double Press**